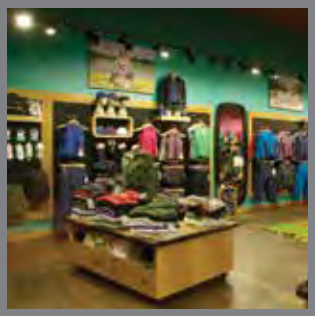
LED

PRODUCT SPECIFICATION GUIDE

V17.1



CONTECH LIGHTING

WHAT SETS US APART

INNOVATION

We combine the latest energy efficient technology and design styles to create an extensive range of attractive and sustainable luminaires. We have over 5,000 products, including many high performance products that can't be found anywhere else. Our EcoTechnology solutions offer sustainable energy solutions that meet the qualitative needs of the visual environment with the least impact on the physical environment.

SUSTAINABILITY

At ConTech Lighting, our commitment to the environment is as important as our commitment to innovation, quality and our customers. We believe that lighting can be environmentally responsible and energy efficient, while providing high-quality performance and outstanding aesthetic design. EcoTechnology applies to our daily operation as well as to our products; from materials, manufacturing and transportation to the disposal process for our products and by-products.

QUALITY

We use the best components and manufacturing methods resulting in the highest quality fixtures. From cast housings and high performance reflectors, to the testing of each ballasted fixture before it ships, ConTech Lighting is defined by its quality. For consistency, we use only the most reliable LED chip makers including Cree, Nichia, Lumileds, Bridgelux and Sharp.

SERVICE

Our responsive, personalized customer focus, and market expertise represents an oasis of outstanding service in an industry that values it, but frequently doesn't receive it. We are here for you, live and in person, Monday through Friday 7:30am – 5:30pm CST.

PRODUCT AVAILABILITY AND SPEEDSHIP™

Our products are in stock and ready to ship. Our unique SpeedShip™ process helps us toward our goal of shipping 100% of placed orders within 48 hours; at no additional cost to you.

MARKET EXPERTISE

Each market has its own unique lighting challenges. Designs can get tricky, having to verify every fixture, test every connector and make certain that every length of track is just right. We have an experienced staff of sales professionals to assist you with your projects from concept to completion.

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LED (Light Emitting Diode) technology is the most sustainable form of artificial illumination available today. Long life, energy savings, great color, and small size are a few of the advantages of LEDs, but the LED chip itself is only one part of the story. The chip can offer these benefits only if it is designed into an appropriate LED Luminaire System. At ConTech Lighting we combine the best LED chips with Thermal Management, Optical Performance, and Electrical Management to produce high quality, sustainable LED Luminaire Systems to meet the needs of designers and our planet alike.

ConTech Lighting's LED products offer many advantages, including:

- Use of only the most reliable LED chip makers, including Cree, Nichia, Lumileds, Bridgelux and Sharp
- 35,000 - 50,000 hours of life, dependant upon product, application and surrounding temperatures
- No infrared or ultraviolet radiation
- RoHS compliant
- Five (5) year warranty from date of purchase
- LED products may be available in additional color temperatures or high CRI versions. Consult factory for more information.

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LED PRODUCT SPECIFICATION GUIDE

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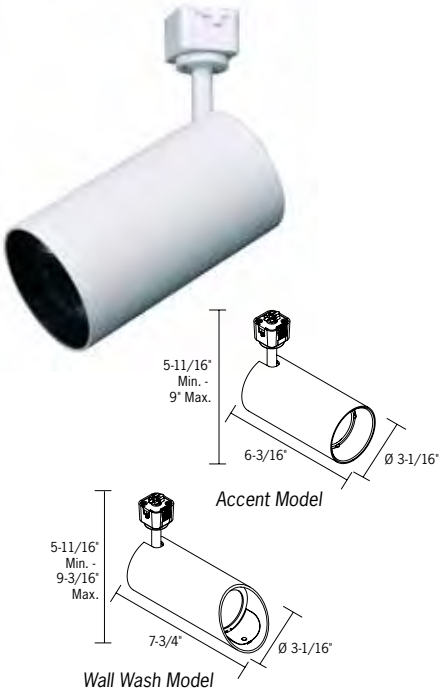
TRACK LIGHTING

GALLERY SERIES LED TRACK LUMINAIRE: CREE LIGHT ENGINE



- High performance, small scale LED track luminaire available in three (3) wattages: 10W (1000lm), 14W (1400lm), and 20W (1800lm)
- In addition to the standard accent track luminaire, the gallery series is available in a wall wash configuration; providing smooth even illumination on vertical surfaces
- Constructed of die-cast aluminum, the cylindrical body provides thermal management while providing a sleek modern look, designed to quietly compliment any space
- Dimming is standard for all wattage options (120V only) and allows smooth illumination down to 10%. Compatible with most incandescent (forward phase) and ELV (reverse phase) dimmers
- Lockable, precision aiming adjustment: 360˚+ aiming horizontal rotation, 90˚ vertical rotation
- Light engine consists of a single, high lumen output CREE multi-chip LED array. Available in the following color temperatures: 2700K, 3000K, 3500K, 4000K, and 3000K Crisp White
- Excellent color consistency within a 2-step MacAdam Ellipse tolerance
- Available in Spot (12°), Medium (28°) and Flood (39°) beam distributions; each molded TIR optic has been optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Suitable for dry locations
- *Photometrics and LM-79 data on page 256; Dimming compatibility on page 216*

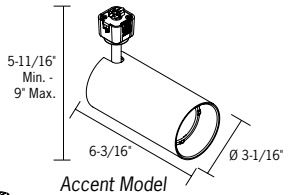
Luminaire	Beam	Color Temp		Dimming	Finish
CTL84C1 - 10W/1000Lm	**S** - Spot	**27** - 2700K, 83 CRI	**27C** - 2700K, 90+ CRI	**D** - Dimming	**B** - Black
CTL84C2 - 14W/1400Lm	**M** - Medium	**3** - 3000K, 83 CRI	**3C** - 3000K, 90+ CRI		**P** - White
CTL84C3 - 20W/1800Lm	**F** - Flood	**35** - 3500K, 83 CRI	**35C** - 3500K, 90+ CRI		**S** - Silver
	WW - Wall Wash*	**4** - 4000K, 83 CRI	**4C** - 4000K, 90+ CRI		
			3W - 3000K, 90+ CRI, Crisp White		

**Includes angled housing and wall wash kicker accessory*

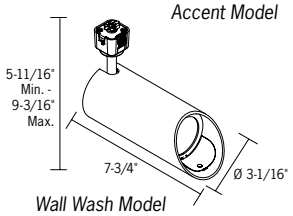
All specifications subject to change without notice.

GALLERY SERIES LED TRACK LUMINAIRE: XICATO LIGHT ENGINE

- High performance, small scale LED track luminaire featuring the Xicato XTM LED module. Available in two (2) lumen packages: 16W/1300lm (19W High CRI) and 23W/1600lm
- In addition to the standard accent track luminaire, the gallery series is available in a wall wash configuration; providing smooth even illumination on vertical surfaces
- Constructed of die-cast aluminum, the cylindrical body provides thermal management while providing a sleek modern look, designed to quietly compliment any space
- Dimming is standard for all wattage options (120V only) and allows smooth illumination down to 10%. Compatible with most Incandescent (forward phase) and ELV (reverse phase) dimmers.
- Lockable, precision aiming adjustment: 360°+ aiming horizontal rotation, 90° vertical rotation
- Featuring a Xicato LED module, the standard series is available in the following color temperatures: 2700K, 3000K, 3500K and 4000K
- In addition to the Xicato standard series, the following options are also available:
  Artist Series: Delivering exceptional color rendering for natural color, the artist series provides CRI 98 and R9≥90
  Vibrant Series: For striking color, the vibrant series is available in both standard CRI 83 and high CRI 98. 3000K Only.
- All Xicato modules feature extraordinary color consistency (within 1x2-step MacAdam ellipse).
- Available in Spot (19°), Medium (23°), Flood (41°) and Wide Flood (56°) beam distributions. All beams are achieved using specular spun metal reflectors that feature a twist-and-lock attachment method allowing them to easily be changed in the field.
- Dry location listed
- *Photometrics and LM-79 data on page 257; Dimming compatibility on page 216*



Accent Model

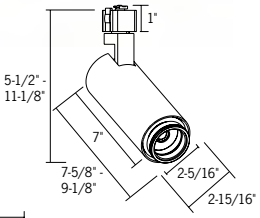


Wall Wash Model

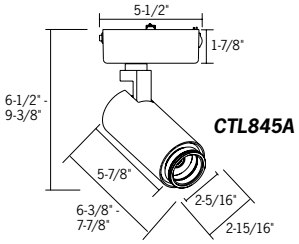
Luminaire	Beam	Color Temp	Dimming	Finish
CTL84X2[1] - 16W/1300Lm **CTL84X3**[2] - 23W/1600Lm	**S** - Spot **M** - Medium **F** - Flood **W** - Wide Flood **WW**[3] - Wall Wash	**27** - 2700K, 83 CRI **3** - 3000K, 83 CRI **35** - 3500K, 83 CRI **4** - 4000K, 83 CRI **3V** - 3000K, Vibrant, 83 CRI **27C**[4] - 2700K, 98+ CRI **3C**[4] - 3000K, 98+ CRI **35C**[4] - 3500K, 98+ CRI **4C**[4] - 4000K, 98+ CRI **3VC**[4] - 3000K, Vibrant, 98 CRI	**D** - Dimming	**B** - Black **P** - White **S** - Silver

1. X2 High CRI Consumes 19W
2. 98 CRI is not available on the X3 Series
3. Includes angled housing and wall wash kicker accessory
4. Not bvailable on the X3 Series

ADJUSTABLE BEAM LED TRACK LUMINAIRE: VERTICAL



CTL844A



CTL845A

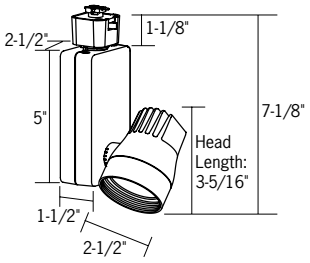
- Sleek, high performance LED track luminaire available in two (2) wattages: 15W (up to 1100 lumens) and 30W (up to 2100 lumens)
- Featuring an adjustable beam mechanism designed to provide outstanding flexibility for dynamic displays in retail and gallery applications
- The 15W version provides a sleek cylindrical shape with the driver integrated into the cylindrical design
- Dimming is standard for all wattage options (120V only) and allows smooth illumination down to 10%
- Both 15W and 30W versions provide 360°+ horizontal (rotation) adjustment and 90° vertical aiming
- Light engine consists of a single, high lumen output multi-chip LED array
- Available in the following color temperatures: 2700K, 3000K, and 3500K; CRI 80 min.
- Excellent consistency within a 3-step MacAdam Ellipse tolerance
- An adjustable beam mechanism provides endless beam options from a 13° narrow to a 80° wide flood distribution. The beam can be easily adjusted by simply sliding the telescopic lens mechanism in for a wider beam and out for a more narrow beam.
- *Photometrics and LM-79 data on page 258; Dimming compatibility on page 216*

Luminaire	Color Temp	Dimming	Finish
CTL844A - 15W Adjustable Beam **CTL845A** - 30W Adjustable Beam	**27** - 2700K, 80 CRI **3** - 3000K, 80 CRI **35** - 3500K, 80 CRI	**D** - Dimming	**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

O2 MINI LED TRACK LUMINAIRE: VERTICAL

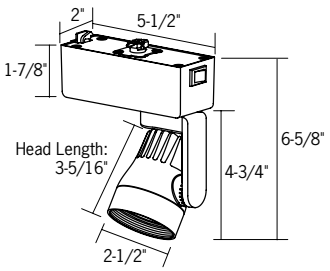
- High performance, small scale LED track luminaire available in three (3) wattages: 10W, 14W and 20W
- Thermally engineered heat sink provides optimal heat dissipation ensuring long life and consistent performance
- Injection molded T.I.R. optic is engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Select from three beam spreads: Spot (12°), Medium (28°) and Flood (39°)
- Dimming is standard and allows illumination down to 10%
- Excellent color consistency within a 2-Step MacAdam Ellipse tolerance
- Light engine consists of a single, high lumen output multi-chip LED array
- Lockable precision aiming adjustment: 360°+ horizontal; 315°+ vertical rotation. Head may be aimed straight upward.
- Integral ON/OFF switch and track polarity indicator are standard
- Accepts up to (2) LF16 60MM lenses or FA-16 60MM Black Honeycomb Louvers with the FA-43 Snoot/Accessory Holder, ordered separately
- Energy Star Approved for all luminaire variations except Crisp White
- DLC Listed for all models except Crisp White
- 120V, Dry location listed
- *Photometrics and LM-79 data on page 250; Dimming compatibility on page 217*



Luminaire	Beam	Color Temp		Dimming	—	Finish
CTL8061V - 10W **CTL8062V** - 14W **CTL8063V** - 20W	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI **3W** - 3000K, 90+ CRI Crisp White	**D** - Dimming		**B** - Black **P** - White **S** - Silver

O2 MINI LED TRACK LUMINAIRE: HORIZONTAL

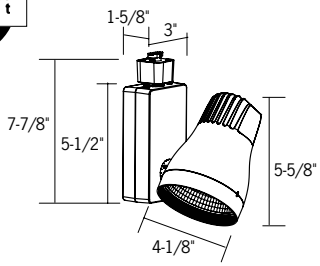
- High performance, small scale LED track luminaire available in three (3) wattages: 10W, 14W and 20W
- Thermally engineered heat sink provides optimal heat dissipation ensuring long life and consistent performance
- Injection molded T.I.R. optic is engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Select from three beam spreads: Spot (12°), Medium (28°) and Flood (39°)
- Dimming is standard and allows illumination down to 10%
- Excellent color consistency within a 2-Step MacAdam Ellipse tolerance
- Light engine consists of a single, high lumen output multi-chip LED array
- Lockable precision aiming adjustment: 360°+ horizontal; 250° vertical rotation. 35° Upward tilt in both directions.
- Integral ON/OFF switch and track polarity indicator are standard
- Accepts up to (2) LF16 60MM lenses or FA-16 60MM Black Honeycomb Louvers with the FA-43 Snoot/Accessory Holder, ordered separately
- Energy Star Approved for all luminaire variations except Crisp White
- DLC Listed for all models except Crisp White
- 120V, Dry location listed
- *Photometrics and LM-79 data on page 250; Dimming compatibility on page 217*



Luminaire	Beam	Color Temp		Dimming	—	Finish
CTL8061H - 10W **CTL8062H** - 14W **CTL8063H** - 20W	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI **3W** - 3000K, 90+ CRI Crisp White	**D** - Dimming		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

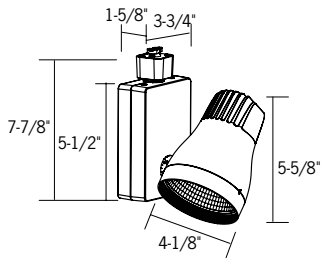
O3 LED TRACK LUMINAIRE: VERTICAL



- 120V Single, multi-chip LED array available in four (4) wattages: 20W, 29W, 36W and 42W in four (4) color temperatures: 2700K, 3000K, 3500K, and 4000K
- CRI of 83 typical, 90+ CRI available
- Die cast aluminum heat sink includes vertically oriented fins engineered for optimal heat dissipation
- Specular spun metal reflectors optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Select from four beam spreads: Spot (11°), Medium (25°), Flood (36°), and Wide Flood (58°)
- Dimming is standard and allows illumination down to 10%
- Lockable precision aiming enables 360°+ horizontal rotation and 360°+ vertical aiming adjustment
- Integral ON/OFF switch and track polarity indicator are standard
- Accepts two (2) LF20 lenses or louvers with the FA-49 Accessory Holder or the FA-45 Snoot/Accessory Holder; Barn Doors (BD825) are also available
- Dry location listed
- Energy Star Approved for all luminaire variations
- *Photometrics and LM-79 data on page 252-255 Dimming compatibility on page 214*

Luminaire	Orientation	Beam	Color Temp		Dimming	Finish
CTL8251 - 20W **CTL8252** - 29W **CTL8253** - 36W **CTL8254** - 42W	**V** - Vertical	**S** - Spot **M** - Medium **F** - Flood **W** - Wide Flood	**27** - 2700K, 83 CRI **3** - 3000K, 83 CRI **35** - 3500K, 83 CRI **4** - 4000K, 83 CRI	**27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI	**D** - Dimming	**B** - Black **P** - White **S** - Silver

O3 LED TRACK LUMINAIRE: VERTICAL LARGE



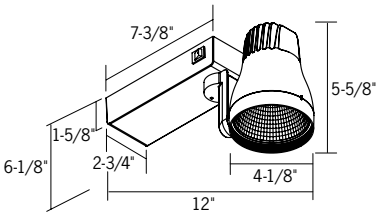
- 120V Single, multi-chip LED array available in four (4) wattages: 20W, 29W, 36W and 42W in four (4) color temperatures: 2700K, 3000K, 3500K, and 4000K
- CRI of 83 typical, 90+ CRI available
- Die cast aluminum heat sink includes vertically oriented fins engineered for optimal heat dissipation
- Specular spun metal reflectors optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Select from four beam spreads: Spot (11°), Medium (25°), Flood (36°), and Wide Flood (58°)
- Dimming is standard and allows illumination down to 1% using the D3 Lutron HiLume dimming option
- Lockable precision aiming enables 360°+ horizontal rotation and 360°+ vertical aiming adjustment
- Integral ON/OFF switch and track polarity indicator are standard
- Accepts two (2) LF20 lenses or louvers with the FA-49 Accessory Holder or the FA-45 Snoot/Accessory Holder; Barn Doors (BD825) are also available
- Dry location listed
- *Photometrics and LM-79 data on page 252-255; Dimming compatibility on page 214*

Luminaire	Orientation	Beam	Color Temp		Dimming	Finish
CTL8251 - 20W **CTL8252** - 29W **CTL8253** - 36W **CTL8254** - 42W	**VL** - Vertical Large	**S** - Spot **M** - Medium **F** - Flood **W** - Wide Flood	**27** - 2700K, 83 CRI **3** - 3000K, 83 CRI **35** - 3500K, 83 CRI **4** - 4000K, 83 CRI	**27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI	**D3** - Lutron HiLume 1% 2-Wire LED Driver (120V Forward Phase Only)	**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

O3 LED TRACK LUMINAIRE: HORIZONTAL

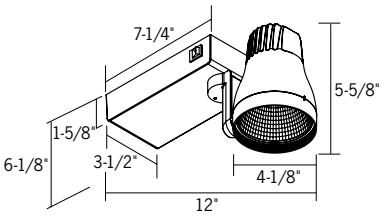
- 120V Single, multi-chip LED array available in four (4) wattages: 20W, 29W, 36W and 42W in four (4) color temperatures: 2700K, 3000K, 3500K, and 4000K
- CRI of 83 typical, 90+ CRI available
- Die cast aluminum heat sink includes vertically oriented fins engineered for optimal heat dissipation
- Specular spun metal reflectors optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Select from four beam spreads: Spot (11°), Medium (25°), Flood (36°), and Wide Flood (58°)
- Dimming is standard and allows illumination down to 10%
- Lockable precision aiming enables 360°+ horizontal rotation and 360°+ vertical aiming adjustment
- Integral ON/OFF switch and track polarity indicator are standard
- Accepts two (2) LF20 lenses or louvers with the FA-49 Accessory Holder or the FA-45 Snoot/Accessory Holder; Barn Doors (BD825) are also available
- Dry location listed
- Energy Star Approved for all luminaire variations
- *Photometrics and LM-79 data on page 252-255; Dimming compatibility on page 214*



Luminaire	Orientation	Beam	Color Temp		Dimming	Finish
CTL8251 - 20W **CTL8252** - 29W **CTL8253** - 36W **CTL8254** - 42W	**H** - Horizontal	**S** - Spot **M** - Medium **F** - Flood **W** - Wide Flood	**27** - 2700K, 83 CRI **3** - 3000K, 83 CRI **35** - 3500K, 83 CRI **4** - 4000K, 83 CRI	**27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI	**D** - Dimming	**B** - Black **P** - White **S** - Silver

O3 LED TRACK LUMINAIRE: HORIZONTAL LARGE

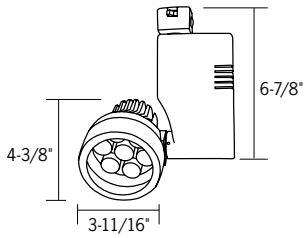
- 120V Single, multi-chip LED array available in four (4) wattages: 20W, 29W, 36W and 42W in four (4) color temperatures: 2700K, 3000K, 3500K, and 4000K
- CRI of 83 typical, 90+ CRI available
- Die cast aluminum heat sink includes vertically oriented fins engineered for optimal heat dissipation
- Specular spun metal reflectors optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Select from four beam spreads: Spot (11°), Medium (25°), Flood (36°), and Wide Flood (58°)
- Dimming is standard and allows illumination down to 1% using the D3 Lutron HiLume dimming option
- Lockable precision aiming enables 360°+ horizontal rotation and 360°+ vertical aiming adjustment
- Integral ON/OFF switch and track polarity indicator are standard
- Accepts two (2) LF20 lenses or louvers with the FA-49 Accessory Holder or the FA-45 Snoot/Accessory Holder; Barn Doors (BD825) are also available
- Dry location listed
- *Photometrics and LM-79 data on page 252-255; Dimming compatibility on page 214*



Luminaire	Orientation	Beam	Color Temp		Dimming	Finish
CTL8251 - 20W **CTL8252** - 29W **CTL8253** - 36W **CTL8254** - 42W	**HL** - Horizontal Large	**S** - Spot **M** - Medium **F** - Flood **W** - Wide Flood	**27** - 2700K, 83 CRI **3** - 3000K, 83 CRI **35** - 3500K, 83 CRI **4** - 4000K, 83 CRI	**27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI	**D3** - Lutron HiLume 1% 2-Wire LED Driver (120V Forward Phase Only)	**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

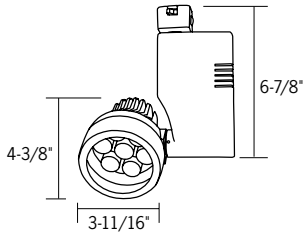
OPTICA 18W LED TRACK LUMINAIRE: VERTICAL



- High performance, dimmable LED track luminaire
- Dimming option allows illumination down to 10%
- Lamp consists of (7) LEDs: 700mA constant current input, 18W total
- LEDs are available in spot, medium or flood beam distributions; and four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Decorative heat sink luminaire head designed for optimal heat dissipation
- Die-cast aluminum vertical housing contains LED driver
- Lockable, precision aiming adjustment: 360˚+ horizontal; 180˚ vertical rotation
- Integral ON/OFF switch and track polarity indicator are standard
- 120V, Dry location listed
- Energy Star approved
- *Photometrics and LM-79 data on page 258; Dimming compatibility on page 214*

Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL802818L	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	- No Dimming (Leave Blank) **D** - Dimming		**B** - Black **P** - White **S** - Silver

OPTICA 27W LED TRACK LUMINAIRE: VERTICAL



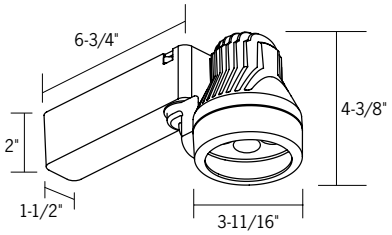
- High performance, dimmable LED track luminaire
- Dimming option allows illumination down to 10%
- Lamp consists of (7) LEDs: 1A constant current input; 27W total
- LEDs are available in spot, medium or flood beam distributions; and four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Decorative heat sink luminaire head designed for optimal heat dissipation
- Die-cast aluminum vertical housing contains LED driver
- Lockable, precision aiming adjustment: 360˚+ horizontal; 180˚ vertical rotation
- Integral ON/OFF switch and track polarity indicator are standard
- 120V, Dry location listed
- Energy Star approved
- *Photometrics and LM-79 data on page 259; Dimming compatibility on page 214*

Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL802927L	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	- No Dimming (Leave Blank) **D** - Dimming		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

OPTICA 18W LED TRACK LUMINAIRE: HORIZONTAL

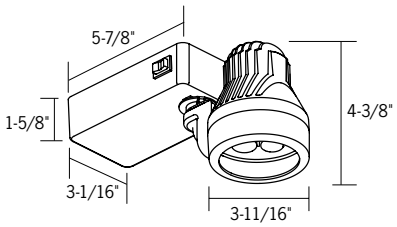
- High performance, dimmable LED track luminaire
- Dimming option allows illumination down to 10%
  Note: Dimming option requires larger driver housing used on 27W luminaire, see dimensions on CTL802927LH for details
- Lamp consists of (7) LEDs: 700mA constant current input, 18W total
- LEDs are available in spot, medium or flood beam distributions; and four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Decorative heat sink luminaire head designed for optimal heat dissipation
- Die-cast aluminum horizontal housing contains LED driver
- Precision aiming adjustment: 360˚+ horizontal; 180˚ vertical rotation
- Integral ON/OFF switch and track polarity indicator are standard
- 120V, Dry location listed
- Energy Star approved
- *Photometrics and LM-79 data on page 258; Dimming compatibility on page 214*



Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL802818LH	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**N** - No Dimming **D** - Dimming		**B** - Black **P** - White **S** - Silver

OPTICA 27W LED TRACK LUMINAIRE: HORIZONTAL

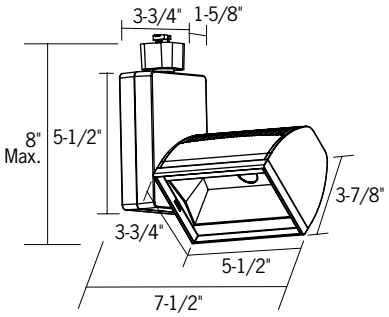
- High performance, dimmable LED track luminaire
- Dimming option allows illumination down to 10%
- Lamp consists of (7) LEDs: 1A constant current input; 27W total
- LEDs are available in spot, medium or flood beam distributions; and four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Decorative heat sink luminaire head designed for optimal heat dissipation
- Die-cast aluminum horizontal housing contains LED driver
- Lockable, precision aiming adjustment: 360˚+ horizontal; 180˚ vertical rotation
- Integral ON/OFF switch and track polarity indicator are standard
- 120V, Dry location listed
- Energy Star approved
- *Photometrics and LM-79 data on page 259; Dimming compatibility on page 214*



Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL802927LH	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**N** - No Dimming **D** - Dimming		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

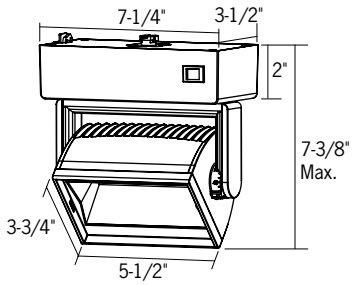
STEALTH LED WALL LIGHTER: VERTICAL



- High performance, eco-friendly LED track luminaire delivering up to 5900 lumens in a smooth wide beam with excellent uniformity
- Available in six (6) wattage/lumen options
- Cast and finned aluminum heatsink has been thermally engineered to provide optimal heat dissipation ensuring long life and consistent performance
- Dimming is available and allows smooth illumination down to 1% with D3 option
- Lockable, precision aiming adjustment: 360°+ aiming horizontal and 360° vertical rotation
- Can accept up to two (2) media by using the FA-18 Accessory Holder, FA-48 Snoot, FA-51 Visor, or BD18 Barn doors
- Integral ON/OFF switch and track polarity indicator are standard
- Light engine consists of a single, high lumen output multi-chip LED array
- Available in the following color temperatures: 2700K, 3000K, 3500K and 4000K; CRI 80 min., 83 Typical. High CRI 90+ available
- Excellent color consistency within a 3-step MacAdam Ellipse tolerance
- *Photometrics and LM-79 data on page 249 ; Dimming compatibility on page 215*

Luminaire	Color Temp	Dimming	—	Finish
CTL189V - 20W/2200Lm **CTL180V** - 28W/3000Lm **CTL181V** - 35W/4100Lm **CTL182V** - 41W/4700Lm **CTL183V** - 47W/5400Lm **CTL184V** - 57W/5900Lm	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K **27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI	**D** - Dimming **D3** - Lutron HiLume 1% 2-Wire LED Driver (120V Forward Phase Only); N/A 47W & 57W Luminaire		**B** - Black **P** - White **S** - Silver

STEALTH LED WALL LIGHTER: HORIZONTAL



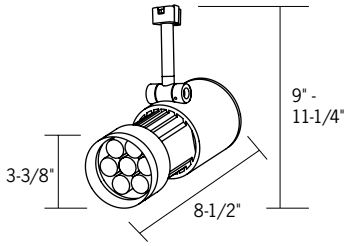
- High performance, eco-friendly LED track luminaire delivering up to 5900 lumens in a smooth wide beam with excellent uniformity
- Available in six (6) wattage/lumen options
- Cast and finned aluminum heatsink has been thermally engineered to provide optimal heat dissipation ensuring long life and consistent performance
- Dimming is available and allows smooth illumination down to 1% with D3 option
- Lockable, precision aiming adjustment: 360°+ aiming horizontal and 220° vertical rotation
- Can accept up to two (2) media by using the FA-18 Accessory Holder, FA-48 Snoot, FA-51 Visor, or BD18 Barn doors
- Integral ON/OFF switch and track polarity indicator are standard
- Light engine consists of a single, high lumen output multi-chip LED array
- Available in the following color temperatures: 2700K, 3000K, 3500K and 4000K; CRI 80 min., 83 Typical. High CRI 90+ available
- Excellent color consistency within a 3-step MacAdam Ellipse tolerance
- *Photometrics and LM-79 data on page 249; Dimming compatibility on page 215*

Luminaire	Color Temp	Dimming	—	Finish
CTL189H - 20W/2200Lm **CTL180H** - 28W/3000Lm **CTL181H** - 35W/4000Lm **CTL182H** - 41W/4600Lm **CTL183H** - 47W/5100Lm **CTL184H** - 57W/5900Lm	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K **27C** - 2700K, 90+ CRI **3C** - 3000K, 90+ CRI **35C** - 3500K, 90+ CRI **4C** - 4000K, 90+ CRI	**D** - Dimming **D3** - Lutron HiLume 1% 2-Wire LED Driver (120V Forward Phase Only); N/A 47W & 57W Luminaire		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

18W & 27W LED CYLINDER TRACK LUMINAIRE

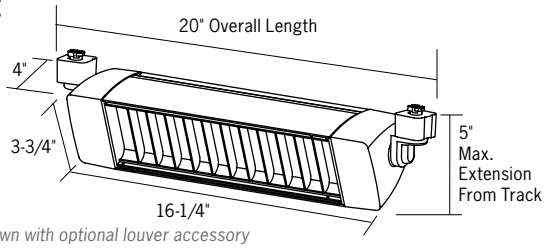
- High performance 18W and 27W dimmable LED track luminaire
- Sleek cylindrical shape with integral driver housing
- Standard dimming driver provides illumination down to 10%
- Lamp consists of (7) LEDs
- LEDs are available in spot, medium or flood beam distributions; and four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Extruded aluminum heat sink with vertically oriented fins for optimal heat dissipation
- Lockable, precision aiming adjustment: 350˚ horizontal, 180˚ vertical rotation
- Will accept one (1) LF18 lens
- Integral ON/OFF switch and track polarity indicator are standard
- 120V, Dry location listed
- *Photometrics and LM-79 data on page 259; Dimming compatibility on page 214*



Luminaire	Wattage	Beam	Color Temp	Dimming	—	Finish
CTL800	**1** - 18W **2** - 27W	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**D** - Dimming		**B** - Black **P** - White **S** - Silver

LED LINEAR WALL LIGHTER

- Available in 40W and 56W; high lumen output with excellent uniformity
- Extruded, finned aluminum housing with heat sink for sleek appearance; cast aluminum end caps
- Light Engine consists of a linear PCB with 22 CREE XT-E high brightness LEDs providing excellent reliability and performance
- Highly efficient optical design: specular reflector constructed of 98% efficient Alanod, specifically designed for use with LEDs; Solite tempered glass lens for diffusion and blending the LEDs
- Optional louver (FA-42) provides excellent cutoff and glare control
- Two mounting options:
  - Swivel model with single track connector and heavy duty mounting yoke provides 360˚ horizontal rotation and 180˚ vertical adjustment with locking adjustment knobs
  - Fixed model utilizes two track connectors to position luminaire close to the ceiling
- Dimming is standard and allows illumination down to 10%
- 120V, Dry location listed
- Energy Star approved
- *Photometrics and LM-79 data on page 249; Dimming compatibility on page 214*



Shown with optional louver accessory

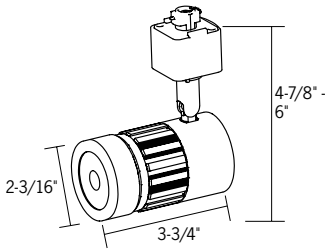
Luminaire	Orientation	Beam	Color Temp	Dimming	—	Finish
CTL170 - 40W **CTL171** - 56W	**S** - Swivel; 1 Connector **F** - Fixed; 2 Connectors	**M** - Medium	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

ECLIPSE 9W LED LUMINAIRE

Builder's Track Kit

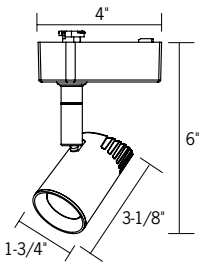
- Exceptional performance in a sleek, cylindrical shape
- Light engine consists of a single, high lumen output, multi-chip LED array
- Delivers 750 lumens while consuming 9W
- Extruded aluminum housing with integrated driver and cast aluminum bezel
- 315°+ Horizontal aiming, 90° vertical aiming
- Medium or flood beam distributions
- Available in 2700K, 3000K, and 3500K color temperatures
- Dimmable
- Integral ON/OFF switch and track polarity indicator are standard
- Builders kit also available; includes (3) CTL8070 (LED track luminaire), (1) LT-4 (4' track section) and (1) LA-7 (floating feed kit).
- 120V, Dry location listed
- *Dimming compatibility on page 214*



Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL8070 - Single Track Luminaire **LTK8070** - Builder's Track Kit	**M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**B** - Black **P** - White **S** - Silver

ECLIPSE 10W LED LUMINAIRE

- Exceptional output in a small scale
- Light engine consists of a single, high lumen output, multi-chip LED array
- Delivers 720 lumens while consuming 10W
- Horizontally oriented polycarbonate driver housing with a cast aluminum heat-sink head
- 340°+ Horizontal aiming, 90° vertical aiming
- Spot, medium, or flood beam distributions
- Available in 2700K, 3000K, 3500K, and 4000K color temperatures
- Dimmable
- 120V, Dry location listed
- *Photometrics and LM-79 data on page 251-252; Dimming compatibility on page 214*

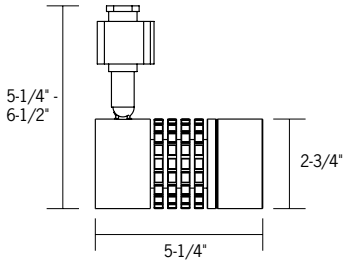


Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL8081H	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**D** - Dimming		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

ECLIPSE 15W LED TRACK LUMINAIRE

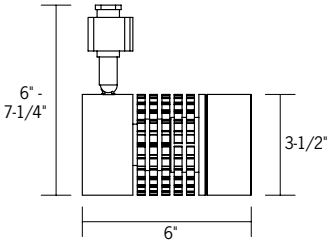
- Exceptional performance in a sleek, cylindrical shape
- Light engine consists of a single, high lumen output, multi-chip LED array
- Delivers up to 1100 lumens while consuming 15W
- Extruded aluminum housing with integrated driver and cast aluminum bezel
- 315°+ Horizontal aiming, 90° vertical aiming
- Spot, medium, or flood beam distributions
- Available in 2700K, 3000K, and 3500K color temperatures
- Dimmable
- Integral ON/OFF switch and track polarity indicator are standard
- Dry location listed
- *Photometrics and LM-79 data on page 251; Dimming compatibility on page 214*



Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL8071	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**B** - Black **P** - White **S** - Silver

ECLIPSE 25W/35W LED TRACK LUMINAIRE

- Exceptional performance in a sleek, cylindrical shape
- Light engine consists of a single, high lumen output, multi-chip LED array
- Available in 25W (2100Lm) and 35W (3200Lm)
- Extruded aluminum housing with integrated driver and cast aluminum bezel
- 315°+ Horizontal aiming, 90° vertical aiming
- Medium or flood beam distributions
- Available in 2700K, 3000K, and 3500K color temperatures
- Dimmable
- Integral ON/OFF switch and track polarity indicator are standard
- Dry location listed
- *Photometrics and LM-79 data on page 251; Dimming compatibility on page 214*

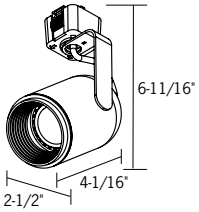


Luminaire	Beam	Color Temp	Dimming	—	Finish
CTL8072 - 25W **CTL8073** - 35W	**M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

7W PAR16 LED MINI ROUND BACK CYLINDER, GU10 BASE

MEGAMAN® LAMP INCLUDED

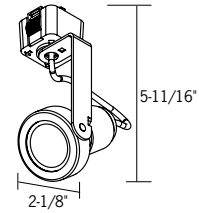


- Compact, round back cylinder lampholder
- Ideal for accent lighting in retail, commercial or residential applications
- Deep, black phenolic baffle to conceal lamp and provide glare control
- Integral ON/OFF switch and spring loaded latch with embossed track polarity indicator are standard
- Includes energy efficient, 7W PAR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K; Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 530 (75.7 Lumens per Watt)
- 35° Beam spread with CBCP of 600
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp		Finish
CTL216GU10	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3540K** - 35°, 4000K	—	**B** - Black **P** - White **S** - Silver

7W PAR16 LED MINI GIMBAL RING, GU10 BASE

MEGAMAN® LAMP INCLUDED



- Compact, gimbal ring lampholder
- Ideal for accent lighting in retail, commercial or residential applications
- Integral ON/OFF switch and spring loaded latch with embossed track polarity indicator are standard
- Includes energy efficient, 7W PAR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K or 3000K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 530 (75.7 Lumens per Watt)
- 35° Beam spread with CBCP of 600
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

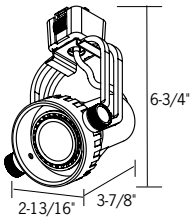
Luminaire	Lamp		Finish
CTL816GU10	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3540K** - 35°, 4000K	—	**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

MEGAMAN® LAMP INCLUDED

7W PAR16 LED LINE VOLTAGE SATURNA®, GU10 BASE

- Compact, heavy duty die-cast front loading gimbal ring lampholder with lockable aiming
- Ideal for accent lighting in retail, commercial or residential applications
- Integral ON/OFF switch and spring loaded latch with embossed track polarity indicator are standard
- Includes energy efficient, 7W PAR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K or 3000K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 530 (75.7 Lumens per Watt)
- 35° Beam spread with CBCP of 600
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

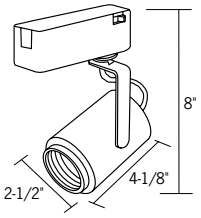


Luminaire	Lamp		Finish
CTL8016GU10	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3540K** - 35°, 4000K		**B** - Black **P** - White **S** - Silver

MEGAMAN® LAMP INCLUDED

8W MR16 LED LOW VOLTAGE FLAT BACK CYLINDER

- Megaman Lamp included
- Die-cast full cutoff baffle conceals lamp for visual comfort
- Features a rugged yoke for balanced luminaire adjustment and full 350° rotation
- All styles are equipped with a convenient on/off switch and polarity indicator
- **Must be used with track-mounted transformer LA2050NL AB**. For Mono-point use LA1816L AB
- Includes energy efficient, 8W MR16 LED lamp designed to last 25,000 hours
- Correlated Color Temperature of 2700K, 3000K, 3500K; Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 600 (75 Lumens per Watt)
- 12° Beam spread with CBCP of 5,500
- 24° Beam spread with CBCP of 3,000
- 36° Beam spread with CBCP of 1,800
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with an electronic low voltage (ELV) dimmer. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

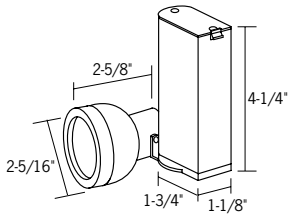


Luminaire	Lamp			Finish
CTL116	**ML1227K** - 12°, 2700K **ML1230K** - 12°, 3000K **ML1235K** - 12°, 3500K **ML1240K** - 12°, 4000K **ML2427K** - 24°, 2700K **ML2430K** - 24°, 3000K **ML2435K** - 24°, 3500K **ML2440K** - 24°, 4000K	**ML3627K** - 36°, 2700K **ML3630K** - 36°, 3000K **ML3635K** - 36°, 3500K **ML3640K** - 36°, 4000K		**B** - Black **P** - White

50W Transformer	Finish
LA2050NL	**B AB** - Black **P AB** - White

All specifications subject to change without notice.

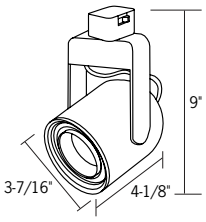
8W MR16 LED LOW VOLTAGE CLOSED BACK TRACK LUMINAIRE MEGAMAN® LAMP INCLUDED



- Simple styling; durable die-cast aluminum construction
- Closed back MR16 bullet design for front lamp replacement
- Adjustable to 180° horizontal rotation; 180° vertical rotation
- Includes energy efficient, 8W MR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, 3500K; Color Rendering Index of 82
- High CRI of 95 available in 3000K
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 600 (75Lm/W) standard CRI; 530 (66Lm/W) high CRI
- 12° Beam spread with CBCP of 5,500
- 24° Beam spread with CBCP of 3,000 standard CRI; 2,550 high CRI
- 36° Beam spread with CBCP of 1,800 standard CRI; 1,300 high CRI
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with an electronic low voltage (ELV) dimmer. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp				Finish
CTL1216	**ML1227K** - 12°, 2700K	**ML3627K** - 36°, 2700K			**B** - Black
	ML1230K - 12°, 3000K	**ML3630K** - 36°, 3000K			**P** - White
	ML1235K - 12°, 3500K	**ML3635K** - 36°, 3500K			**S** - Silver
	ML1240K - 12°, 4000K	**ML3640K** - 36°, 4000K			
	ML2427K - 24°, 2700K	**ML2430KC** - 24°, 3000K, 95CRI			
	ML2430K - 24°, 3000K				
	ML2435K - 24°, 3500K	**ML3630KC** - 36°, 3000K, 95CRI			
	ML2440K - 24°, 4000K				

8W MR16 LED LOW VOLTAGE ROUND BACK CYLINDER MEGAMAN® LAMP INCLUDED

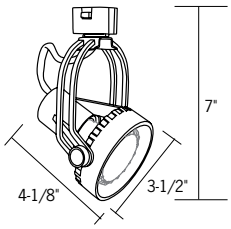


- Megaman Lamp included
- Compact, gimbal ring lampholder
- Integral ON/OFF switch and spring loaded latch with embossed track polarity indicator are standard
- Includes energy efficient, 8W MR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, 3500K; Color Rendering Index of 82
- High CRI of 95 available in 3000K
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 600 (75Lm/W) standard CRI; 530 (66Lm/W) high CRI
- 12° Beam spread with CBCP of 5,500
- 24° Beam spread with CBCP of 3,000 standard CRI; 2,550 high CRI
- 36° Beam spread with CBCP of 1,800 standard CRI; 1,300 high CRI
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with an electronic low voltage (ELV) dimmer. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp				Finish
CTL2016	**ML1227K** - 12°, 2700K	**ML3627K** - 36°, 2700K			**B** - Black
	ML1230K - 12°, 3000K	**ML3630K** - 36°, 3000K			**P** - White
	ML1235K - 12°, 3500K	**ML3635K** - 36°, 3500K			
	ML1240K - 12°, 4000K	**ML3640K** - 36°, 4000K			
	ML2427K - 24°, 2700K	**ML2430KC** - 24°, 3000K, 95CRI			
	ML2430K - 24°, 3000K				
	ML2435K - 24°, 3500K	**ML3630KC** - 36°, 3000K, 95CRI			
	ML2440K - 24°, 4000K				

All specifications subject to change without notice.

7W PAR20 LED SATURNA LINE VOLTAGE TRACK LUMINAIRE MEGAMAN® LAMP INCLUDED

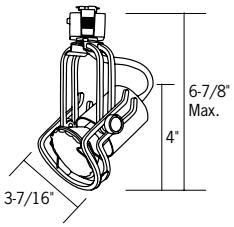


- Megaman Lamp included
- Die-cast aluminum housing
- Open design for cooler operation and convenient front relamping
- Steel dual-rail yoke design provides a “hi-tech”, less bulky look
- Sure-Set yoke for precise aiming without tools and full 350° rotation
- Integral on/off switch and track polarity indicator are standard
- Includes energy efficient, 7W or 10W PAR20 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- 7W Lumen output = 600 (86 Lumens per Watt)
- 10W Lumen output = 900 (90 Lumens per Watt)
- 30° Beam spread with CBCP of 900
- 35° Beam spread with CBCP of 1800
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp				—	Finish
CTL8020	**ML3027K** - 30°, 2700K	**ML09-3527K** - 35°, 2700K				**B** - Black
	ML3030K - 30°, 3000K	**ML09-3530K** - 35°, 3000K				**P** - White
	ML3035K - 30°, 3500K	**ML09-3535K** - 35°, 3500K				**S** - Silver
	ML3040K - 30°, 4000K	**ML09-3540K** - 35°, 4000K				**U** - Unfinished Aluminum

7W PAR20 LED SCULPTURA GIMBAL LINE VOLTAGE TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED



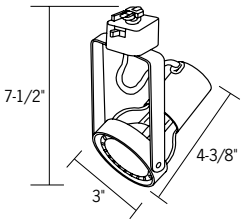
- Megaman Lamp included
- Rugged steel housing with open back design for cooler operation
- All models have “Sure Set” yokes for precise aiming without tools and full 360° rotation
- Front spring clips hold the lamp edge tightly to the yoke seating
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 7W or 10W PAR20 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- 7W Lumen output = 600 (86 Lumens per Watt)
- 10W Lumen output = 900 (90 Lumens per Watt)
- 30° Beam spread with CBCP of 900
- 35° Beam spread with CBCP of 1800
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp				—	Finish
CTL8520	**ML3027K** - 30°, 2700K	**ML09-3527K** - 35°, 2700K				**B** - Black
	ML3030K - 30°, 3000K	**ML09-3530K** - 35°, 3000K				**P** - White
	ML3035K - 30°, 3500K	**ML09-3535K** - 35°, 3500K				**S** - Silver
	ML3040K - 30°, 4000K	**ML09-3540K** - 35°, 4000K				

All specifications subject to change without notice.

MEGAMAN® LAMP INCLUDED 7W PAR20 LED GIMBAL LINE VOLTAGE TRACK LUMINAIRE

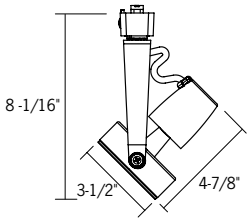
- Megaman Lamp included
- 2-Plane gimbal design permits maximum horizontal and vertical swivel for excellent aiming
- “Sure-Set” yoke holds the luminaire firmly in place
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 7W or 10W PAR20 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- 7W Lumen output = 600 (86 Lumens per Watt)
- 10W Lumen output = 900 (90 Lumens per Watt)
- 30° Beam spread with CBCP of 900
- 35° Beam spread with CBCP of 1800
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data



Luminaire	Lamp			—	Finish
CTL2820	**ML3027K** - 30°, 2700K	**ML09-3527K** - 35°, 2700K			**B** - Black
	ML3030K - 30°, 3000K	**ML09-3530K** - 35°, 3000K			**P** - White
	ML3035K - 30°, 3500K	**ML09-3535K** - 35°, 3500K			**S** - Silver
	ML3040K - 30°, 4000K	**ML09-3540K** - 35°, 4000K			

MEGAMAN® LAMP INCLUDED 7W PAR20 LED SCULPTURA LINE VOLTAGE TRACK LUMINAIRE

- Megaman Lamp included
- Two-plane gimbal design permits 360° horizontal swivel and 150° adjustability in the vertical plane for excellent aiming
- Front re-lamping with grooved baffle inserts
- “Sure Set” yoke holds the luminaire firmly in place
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 7W or 10W PAR20 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- 7W Lumen output = 600 (86 Lumens per Watt)
- 10W Lumen output = 900 (90 Lumens per Watt)
- 30° Beam spread with CBCP of 900
- 35° Beam spread with CBCP of 1800
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

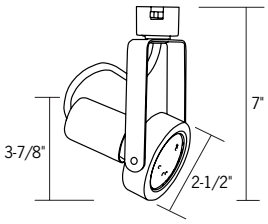


Luminaire	Lamp			—	Finish
CTL8120	**ML3027K** - 30°, 2700K	**ML09-3527K** - 35°, 2700K			**B** - Black
	ML3030K - 30°, 3000K	**ML09-3530K** - 35°, 3000K			**P** - White
	ML3035K - 30°, 3500K	**ML09-3535K** - 35°, 3500K			**S** - Silver
	ML3040K - 30°, 4000K	**ML09-3540K** - 35°, 4000K			

All specifications subject to change without notice.

7W PAR20 LED GIMBAL LINE VOLTAGE TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED

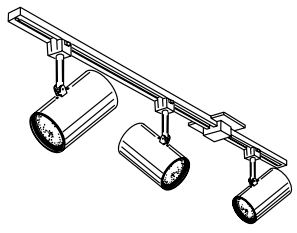


- Megaman Lamp included
- 2-Plane gimbal design permits maximum horizontal and vertical swivel for excellent aiming
- "Sure-Set" yoke holds the luminaire firmly in place
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 7W or 10W PAR20 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- 7W Lumen output = 600 (86 Lumens per Watt)
- 10W Lumen output = 900 (90 Lumens per Watt)
- 30° Beam spread with CBCP of 900
- 35° Beam spread with CBCP of 1800
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp		Finish
CTL820N	**ML3027K** - 30°, 2700K	**ML09-3527K** - 35°, 2700K	**B** - Black
	ML3030K - 30°, 3000K	**ML09-3530K** - 35°, 3000K	**P** - White
	ML3035K - 30°, 3500K	**ML09-3535K** - 35°, 3500K	**S** - Silver
	ML3040K - 30°, 4000K	**ML09-3540K** - 35°, 4000K	

7W PAR20 LED GIMBAL LINE VOLTAGE BUILDER'S TRACK KIT

MEGAMAN® LAMP INCLUDED



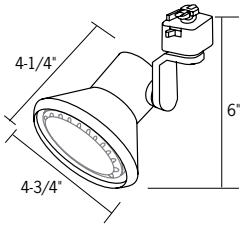
- Kit includes: (3) CTL120-P Luminaires (white finish), (1) LT-4-P (4-foot track section), (1) LA-7-P (floating feed kit), and (3) 7W PAR20 Megaman Lamps
- The Flat back cylinder style luminaires are ideal for commercial or residential applications
- Stem mounting conceals wires while providing 350° rotation with full vertical adjustment
- A black phenolic baffle assures full cutoff
- These models may be used with LA-2 or LA-12 connectors, and additional track sections
- Includes energy efficient, 7W or 10W PAR20 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- 7W Lumen output = 600 (86 Lumens per Watt)
- 10W Lumen output = 900 (90 Lumens per Watt)
- 30° Beam spread with CBCP of 900
- 35° Beam spread with CBCP of 1800
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp		Finish
LTK3120	**ML3027K** - 30°, 2700K	**ML09-3527K** - 35°, 2700K	**P** - White
	ML3030K - 30°, 3000K	**ML09-3530K** - 35°, 3000K	
	ML3035K - 30°, 3500K	**ML09-3535K** - 35°, 3500K	
	ML3040K - 30°, 4000K	**ML09-3540K** - 35°, 4000K	

All specifications subject to change without notice.

10.5W PAR30S REFLECTOR CONE LINE VOLTAGE TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED

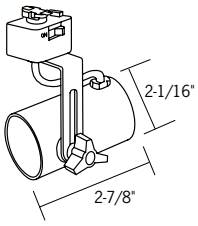


- Megaman Lamp included
- Low profile molded side swivel design with “Sure-Set” precise aiming
- Short barreled reflector cone lampholder assembly is made of formed steel
- Track connector and luminaire arm are black finish, reflector cone has satin chrome finish
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30S LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp		—	Finish
CTL6130	**ML3527K** - 35°, 2700K			**B** - Black
	ML3530K - 35°, 3000K			**P** - White
	ML3535K - 35°, 3500K			**S** - Silver
	ML3540K - 35°, 4000K			**SC** - Satin Chrome

10.5W PAR30S UNIVERSAL LAMPHOLDER LINE VOLTAGE TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED



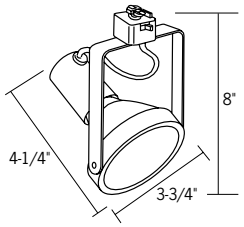
- Megaman Lamp included
- Vertical slide adjustment slot allows numerous luminaire heights
- Half-yoke mounting design minimizes luminaire presence
- Precise, rigid aiming and full 350° horizontal rotation
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30S LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp		—	Finish
CTL603A	**ML3527K** - 35°, 2700K			**B** - Black
	ML3530K - 35°, 3000K			**P** - White
	ML3530K - 35°, 3500K			**S** - Silver
	ML3540K - 35°, 4000K			

All specifications subject to change without notice.

MEGAMAN® LAMP INCLUDED 10.5W PAR30S GIMBAL LINE VOLTAGE TRACK LUMINAIRE

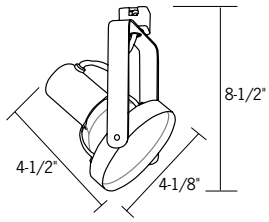
- Megaman Lamp included
- 2-plane gimbal design permits 360° horizontal swivel and 150° adjustability in the vertical plane for excellent aiming
- "Sure-Set" yoke holds the luminaire firmly in place
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30S LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data



Luminaire	Lamp		Finish
CTL830	**ML3527K** - 35°, 2700K		**B** - Black
	ML3530K - 35°, 3000K		**P** - White
	ML3535K - 35°, 3500K		**U** - UNLook (Black Adapter/Black Cord)
	ML3540K - 35°, 4000K		**US** - Satin UNLook (Silver Adapter/Black Cord)

MEGAMAN® LAMP INCLUDED 10.5W PAR30S GIMBAL LINE VOLTAGE TRACK LUMINAIRE

- Megaman Lamp included
- 2-Plane gimbal design permits 360° horizontal swivel and 150° adjustability in the vertical plane for excellent aiming
- "Sure-Set" yoke holds the luminaire firmly in place
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30S LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

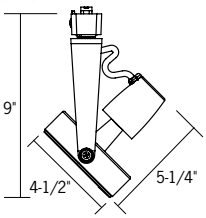


Luminaire	Lamp		Finish
CTL2830	**ML3527K** - 35°, 2700K		**B** - Black
	ML3530K - 35°, 3000K		**P** - White
	ML3535K - 35°, 3500K		**S** - Silver
	ML3540K - 35°, 4000K		

All specifications subject to change without notice.

10.5W PAR30S LED GIMBAL LINE VOLTAGE TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED



- Megaman Lamp included
- Two-plane gimbal design permits 360° horizontal swivel and 150° adjustability in the vertical plane for excellent aiming
- Front re-lamping with grooved baffle insert
- "Sure Set" yoke holds the luminaire firmly in place.
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30S LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp	—	Finish
CTL8130	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3535K** - 35°, 3500K **ML3540K** - 35°, 4000K		**B** - Black **P** - White **S** - Silver

10.5W PAR30S LED GIMBAL LINE VOLTAGE BUILDER'S TRACK KIT

MEGAMAN® LAMP INCLUDED

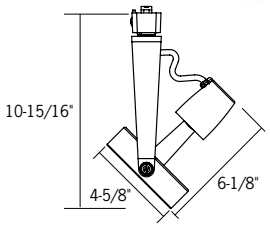
- Megaman Lamps included
- Two-plane gimbal design permits 360° horizontal swivel and 150° adjustability in the vertical plane for excellent aiming
- Front re-lamping with grooved baffle insert
- "Sure Set" yoke holds the luminaire firmly in place.
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30S LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp	—	Finish
LTK8130	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3535K** - 35°, 3500K **ML3540K** - 35°, 4000K		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

MEGAMAN® LAMP INCLUDED 10.5W PAR30LN LED GIMBAL LINE VOLTAGE TRACK LUMINAIRE

- Compact, heavy duty die-cast front loading gimbal ring lampholder with lockable aiming
- Ideal for accent lighting in retail, commercial or residential applications
- Integral ON/OFF switch and spring loaded latch with embossed track polarity indicator are standard
- Includes energy efficient, 7W PAR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K or 3000K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 530 (75.7 Lumens per Watt)
- 35° Beam spread with CBCP of 600
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

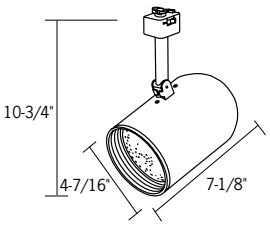


Luminaire	Lamp		Finish
CTL8130LN	**ML3527K** - 35°, 2700K		**B** - Black
	ML3530K - 35°, 3000K		**P** - White
	ML3535K - 35°, 3500K		**S** - Silver
	ML3540K - 35°, 4000K		

10.5W PAR30LN LED ROUND BACK CYLINDER LINE VOLTAGE TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED

- Megaman Lamp included
- Ideal for accent lighting in retail, commercial, or residential settings
- Deep, black phenolic baffle to conceal lamp and provide glare control
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30S LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

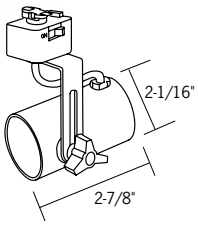


Luminaire	Lamp		Finish
CTL230	**ML3527K** - 35°, 2700K		**B** - Black
	ML3530K - 35°, 3000K		**P** - White
	ML3535K - 35°, 3500K		
	ML3540K - 35°, 4000K		

All specifications subject to change without notice.

10.5W PAR30LN LED UNIVERSAL LAMPHOLDER LINE VOLTAGE TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED



- Megaman Lamp included
- Vertical slide adjustment slot allows numerous luminaire heights
- Half-yoke mounting design minimizes luminaire presence
- Precise, rigid aiming and full 350° horizontal rotation
- Integral ON/OFF switch and track polarity indicator are standard
- Includes energy efficient, 10.5W PAR30LN LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp	—	Finish
CTL603	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3535K** - 35°, 3500K **ML3540K** - 35°, 4000K		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

10.5W PAR30LN LED STEP CYLINDER LINE VOLTAGE BUILDER'S TRACK KIT

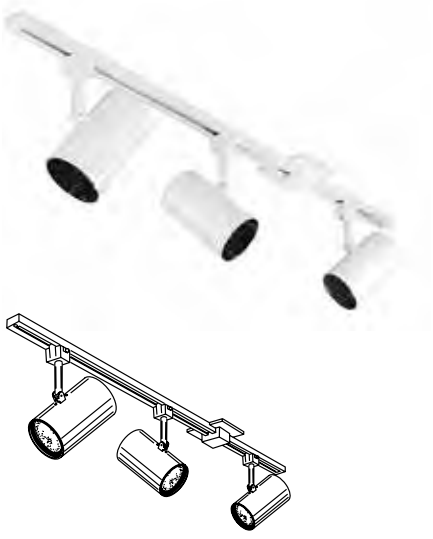
MEGAMAN® LAMP INCLUDED

- Kit includes: (3) CTL330-P Luminaires (white finish), (1) LT-4-P (4-foot track section), (1) LA-7-P (floating feed kit), and (3) 10.5W PAR30LN Megaman Lamps
- Stem mounting conceals wires while providing 350° rotation with full vertical adjustment
- A black phenolic baffle assures full cutoff
- These models may be used with LA-2 or LA-12 connectors and additional track sections
- Integral ON/OFF switch and track polarity indicator on each luminaire are standard
- Includes energy efficient, 10.5W PAR30LN LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp		Finish
LTK3330	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3535K** - 35°, 3500K **ML3540K** - 35°, 4000K	—	**P** - White

10.5W PAR30LN LED FLAT BACK CYLINDER LINE VOLTAGE BUILDER'S TRACK KIT

MEGAMAN® LAMP INCLUDED



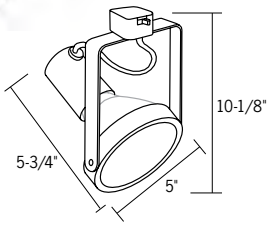
- Kit includes: (3) CTL130-P Luminaires (white finish), (1) LT-4-P (4-foot track section), (1) LA-7-P (floating feed kit), and (3) 10.5W PAR30LN Megaman Lamps
- Stem mounting conceals wires while providing 350° rotation with full vertical adjustment
- A black phenolic baffle assures full cutoff
- These models may be used with LA-2 or LA-12 connectors, and additional track sections
- Integral ON/OFF switch and track polarity indicator on each luminaire are standard
- Includes energy efficient, 10.5W PAR30LN LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, or 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 800 (76 Lumens per Watt)
- 35° Beam spread; 2,200 CBCP
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp		Finish
LTK3130	**ML3527K** - 35°, 2700K **ML3530K** - 35°, 3000K **ML3535K** - 35°, 3500K **ML3540K** - 35°, 4000K	—	**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

PAR38 LED SLIM STYLE GIMBAL

MEGAMAN® LAMP INCLUDED

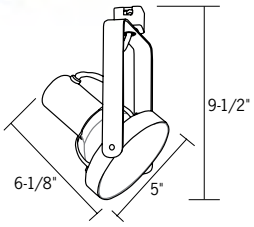


- Megaman Lamp included
- 2-Plane gimbal design permits maximum horizontal and vertical swivel for excellent aiming
- "Sure-Set" yoke holds the luminaire firmly in place
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp				Finish
CTL838/2	**ML11-1527K** - 15W, 15°, 2700K	**ML14-2527K** - 18W, 25°, 2700K	**ML14-4527K** - 18W, 45°, 2700K	**ML21-3527K** - 20W, 35°, 2700K	**B** - Black
	ML11-1530K - 15W, 15°, 3000K	**ML14-2530K** - 18W, 25°, 3000K	**ML14-4530K** - 18W, 45°, 3000K	**ML21-3530K** - 20W, 35°, 3000K	**P** - White
	ML11-1535K - 15W, 15°, 3500K	**ML14-2535K** - 18W, 25°, 3500K	**ML14-4535K** - 18W, 45°, 3500K	**ML21-3535K** - 20W, 35°, 3500K	**S** - Silver
	ML11-1540K - 15W, 15°, 4000K	**ML14-2540K** - 18W, 25°, 4000K	**ML14-4540K** - 18W, 45°, 4000K	**ML21-3540K** - 20W, 35°, 4000K	

PAR38 LED FRONT RE-LAMPING GIMBAL

MEGAMAN® LAMP INCLUDED



- Megaman Lamp included
- 2-Plane gimbal design permits 360° horizontal swivel and 150° vertical adjustability for excellent aiming; "Sure-Set" yoke holds the luminaire firmly in place
- Integral ON/OFF switch and track polarity indicator are standard
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

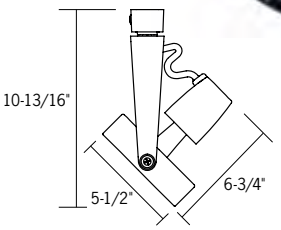
Luminaire	Lamp				Finish
CTL2838N	**ML11-1527K** - 15W, 15°, 2700K	**ML14-2527K** - 18W, 25°, 2700K	**ML14-4527K** - 18W, 45°, 2700K	**ML21-3527K** - 20W, 35°, 2700K	**B** - Black
	ML11-1530K - 15W, 15°, 3000K	**ML14-2530K** - 18W, 25°, 3000K	**ML14-4530K** - 18W, 45°, 3000K	**ML21-3530K** - 20W, 35°, 3000K	**P** - White
	ML11-1535K - 15W, 15°, 3500K	**ML14-2535K** - 18W, 25°, 3500K	**ML14-4535K** - 18W, 45°, 3500K	**ML21-3535K** - 20W, 35°, 3500K	**S** - Silver
	ML11-1540K - 15W, 15°, 4000K	**ML14-2540K** - 18W, 25°, 4000K	**ML14-4540K** - 18W, 45°, 4000K	**ML21-3540K** - 20W, 35°, 4000K	

All specifications subject to change without notice.

MEGAMAN® LAMP INCLUDED

PAR38 LED FRONT RE-LAMPING GIMBAL

- Megaman Lamp included
- 2-Plane gimbal design permits 360° horizontal swivel and 150° vertical adjustability for excellent aiming; “Sure-Set” yoke holds the luminaire firmly in place
- Front re-lamping with grooved baffle inserts
- Integral ON/OFF switch and track polarity indicator are standard
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

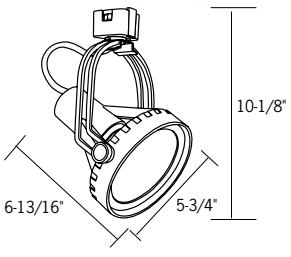


Luminaire	Lamp				Finish
CTL8138	**ML11-1527K** - 15W, 15°, 2700K	**ML14-2527K** - 18W, 25°, 2700K	**ML14-4527K** - 18W, 45°, 2700K	**ML21-3527K** - 20W, 35°, 2700K	**B** - Black
	ML11-1530K - 15W, 15°, 3000K	**ML14-2530K** - 18W, 25°, 3000K	**ML14-4530K** - 18W, 45°, 3000K	**ML21-3530K** - 20W, 35°, 3000K	**P** - White
	ML11-1535K - 15W, 15°, 3500K	**ML14-2535K** - 18W, 25°, 3500K	**ML14-4535K** - 18W, 45°, 3500K	**ML21-3535K** - 20W, 35°, 3500K	**S** - Silver
	ML11-1540K - 15W, 15°, 4000K	**ML14-2540K** - 18W, 25°, 4000K	**ML14-4540K** - 18W, 45°, 4000K	**ML21-3540K** - 20W, 35°, 4000K	

MEGAMAN® LAMP INCLUDED

PAR38 LED SATURNA®

- Megaman Lamp included
- Die-cast aluminum housing features open back design for cooler operation
- “Sure Set” yoke for precise aiming without tools and full 350° rotation
- Integral ON/OFF switch and track polarity indicator are standard
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

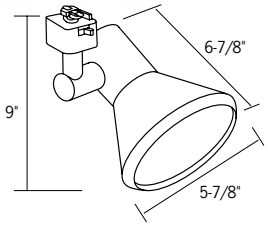


Luminaire	Lamp				Finish
CTL8038	**ML11-1527K** - 15W, 15°, 2700K	**ML14-2527K** - 18W, 25°, 2700K	**ML14-4527K** - 18W, 45°, 2700K	**ML21-3527K** - 20W, 35°, 2700K	**B** - Black
	ML11-1530K - 15W, 15°, 3000K	**ML14-2530K** - 18W, 25°, 3000K	**ML14-4530K** - 18W, 45°, 3000K	**ML21-3530K** - 20W, 35°, 3000K	**P** - White
	ML11-1535K - 15W, 15°, 3500K	**ML14-2535K** - 18W, 25°, 3500K	**ML14-4535K** - 18W, 45°, 3500K	**ML21-3535K** - 20W, 35°, 3500K	**S** - Silver
	ML11-1540K - 15W, 15°, 4000K	**ML14-2540K** - 18W, 25°, 4000K	**ML14-4540K** - 18W, 45°, 4000K	**ML21-3540K** - 20W, 35°, 4000K	

All specifications subject to change without notice.

PAR38 LED ULTIMATE UNIVERSAL TRACK LUMINAIRE

MEGAMAN® LAMP INCLUDED

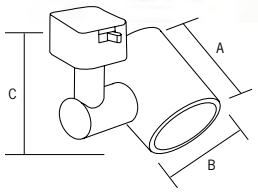


- Megaman Lamp included
- Low profile side swivel design, “Sure-Set” swivel for precise aiming
- Shade included; can also be used as a bare lamp holder; Molded of durable Lexan™ 940
- Integral ON/OFF switch and track polarity indicator are standard
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp				Finish
CTL6838	**ML11-1527K** - 15W, 15°, 2700K	**ML14-2527K** - 18W, 25°, 2700K	**ML14-4527K** - 18W, 45°, 2700K	**ML21-3527K** - 20W, 35°, 2700K	**B** - Black
	ML11-1530K - 15W, 15°, 3000K	**ML14-2530K** - 18W, 25°, 3000K	**ML14-4530K** - 18W, 45°, 3000K	**ML21-3530K** - 20W, 35°, 3000K	**P** - White
	ML11-1535K - 15W, 15°, 3500K	**ML14-2535K** - 18W, 25°, 3500K	**ML14-4535K** - 18W, 45°, 3500K	**ML21-3535K** - 20W, 35°, 3500K	**S** - Silver
	ML11-1540K - 15W, 15°, 4000K	**ML14-2540K** - 18W, 25°, 4000K	**ML14-4540K** - 18W, 45°, 4000K	**ML21-3540K** - 20W, 35°, 4000K	

PAR38 LED ULTIMATE UNIVERSAL

MEGAMAN® LAMP INCLUDED



DIMENSIONS			
Model	**A**	**B**	**C**
CTL610	2-3/4"	2-1/4"	4-7/8"
CTL610/LA638	3-3/4"	2-1/4"	5-3/4"

Lamp Collar

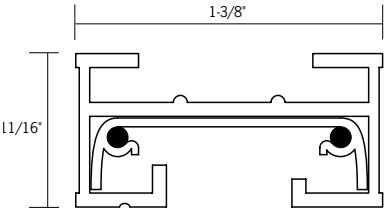
LA638-(B,P,S) - Lamp Collar

- Megaman Lamp included
- Low profile side swivel design, “Sure-Set” swivel for precise aiming; Molded of durable Lexan™ 940.
- Integral ON/OFF switch and track polarity indicator are standard.
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer’s instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Luminaire	Lamp				Finish
CTL610	**ML11-1527K** - 15W, 15°, 2700K	**ML14-2527K** - 18W, 25°, 2700K	**ML14-4527K** - 18W, 45°, 2700K	**ML21-3527K** - 20W, 35°, 2700K	**B** - Black
	ML11-1530K - 15W, 15°, 3000K	**ML14-2530K** - 18W, 25°, 3000K	**ML14-4530K** - 18W, 45°, 3000K	**ML21-3530K** - 20W, 35°, 3000K	**P** - White
	ML11-1535K - 15W, 15°, 3500K	**ML14-2535K** - 18W, 25°, 3500K	**ML14-4535K** - 18W, 45°, 3500K	**ML21-3535K** - 20W, 35°, 3500K	**S** - Silver
	ML11-1540K - 15W, 15°, 4000K	**ML14-2540K** - 18W, 25°, 4000K	**ML14-4540K** - 18W, 45°, 4000K	**ML21-3540K** - 20W, 35°, 4000K	

All specifications subject to change without notice.

SINGLE CIRCUIT TRACK



- A myriad of configurations are possible with these 120V/20A rated commercial grade track sections
- Low profile track cross-section; an economic solution for most applications
- Track has solid copper conductors with Noryl® insulators placed in heavy 14 gauge extruded aluminum channels
- Mechanical polarity with a visual indicator simplifies installation and mounting of luminaires while assuring proper electrical connections
- All ConTech track luminaires have two position contacts to access 1-circuit conductors
- Toggle bolts are supplied for simple surface installation; 2', 4', and 6' sections supplied with (2) toggle bolts, 8' and 12' sections supplied with (3) toggle bolts
- Nominal length track sections can be cut in the field for exact fit
- Strong "H" design construction
- Track sections may be mounted within ConTech's Recessed Track Housing System to minimize appearance
- All track sections are supplied with two insulated end caps; additional may be separately ordered for replacement needs
- cULus Listed for dry locations only

Single Circuit Track Length		Finish	
LT-2	2' (24") Track Length; 20-1/8" Actual Length	**B**	Black
LT-4	4' (48") Track Length; 44-1/8" Actual Length	**P**	White
LT-6	6' (72") Track Length; 68-1/8" Actual Length	**S**	Silver
LT-8	8' (96") Track Length; 92-1/8" Actual Length		
LT-12	12' (144") Track Length; 140-1/8" Actual Length		

Track Mounting Hole Dimensions:

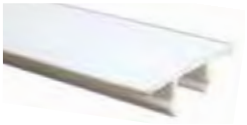
Hole Diameter: 11.5mm

Snap-in Grommet Hole Diameter: 4.8mm

Toggle Bolt Size: 4.5mm Diameter (Thread), 7.7mm Diameter (Head)

Replacement End Cap
Two (2) are supplied with each track section. Finish: B, P, S

LA-11



Front Insert
Closes access to conductors (required in lower installations). 8' Long; can be field cut. Finish: B, P, S

8T FRT INSERT

Raceway Cover
Plastic cover for track raceway. Slides into back of track. 4' and 8' lengths; field cuttable.

TA-4-B - 4' Raceway Cover
TA-8-(B,P,S) - 8' Raceway Cover

SINGLE CIRCUIT TRACK MOUNTING ACCESSORIES FOR T-BAR GRID CEILINGS

ConTech recommends using a minimum of (2) mounting points for 2', 4' and 6' track sections, (3) mounting points for 8' sections and (4) mounting points for 12' sections of track

15/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long studs, white painted finish. 1-1/2"L x 1"H

LA-1 - Stud Type T-Bar Mounting Clip

15/16" Grid
Slide-On Type T-Bar Mounting Clip
Fits into channel in back of track; may be spaced to 4ft. Unfinished. 1-1/2"L x 1-1/4"H

LA-1A - Slide-on Type T-Bar Mounting Clip

9/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long stud, white painted finish. 1-1/4"L x 5/8"H

LA-1C - Stud Type T-Bar Mounting Clip

15/16" Grid
Deep Tile T-Bar Mounting Clip
Fits into channel in back of track; may be spaced to 4ft. Unfinished. 1-1/2"L x 1-1/4"H

LA-1B - Deep Tile T-Bar Mounting Clip

9/16" Grid
Deep Tile T-Bar Mounting Clip
#8-32 x 7/8" Long stud, white painted finish. Must be used with LA-1CB SPACER. 1-1/4"L x 5/8"H

LA-1CB - Stud Type T-Bar Mounting Clip

Deep Ceiling Tile Spacer
Spacer for deep ceiling tiles. Use with LA-1C. Unfinished. 1-5/8"L x 3/4"H

LA-1CB SPACER - Deep Ceiling Tile Spacer

All specifications subject to change without notice.

SINGLE CIRCUIT TRACK CONNECTION ACCESSORIES

Mini-Connectors
End-to-end connectors.
2-11/16"L x 1-1/2" W. Finish: B, P, S

LA-2 - Conductive Connector
LA-2N - Non-conductive Connector

Flexible Connector
Versatile connector allows wall to ceiling or pitched ceiling applications: 35° - 325°. 5-7/8"L x 1-3/8" W. Finish: B, P, S

LA-3 - Flexible Connector

3-Way Connector
Use as standard or reverse polarity "L" or straight connector. Includes two covers: "L" and straight. May be used as power feed. 2-3/4"L x 1-3/8" W. Finish: B, P, S

LA-12 - 3-Way Connector

"T" Connectors
May be used as a feed point.
4-1/8"L x 2-3/4" W. Finish: B, P, S

LA-13 - "T" Connector
LA-14 - Reverse Polarity "T" Connector

"X" Connector
May be used as feed point. Wired as two separate "L" sections. 4-1/8"L x 4-1/8" W. Finish: B, P, S

LA-15 - "X" Connector

Adjustable T-Bar Connector
Connector with square canopy cover. (3) 1/2" top K.O.'s. Can be used as straight connector feed with T-grid installations. Can be configured as a standard or reverse polarity "L" connector or straight connector 4-1/8"L x 4-1/8"W. Finish: B, P

LA-31 - Adjustable T-Bar Connector

SINGLE CIRCUIT TRACK POWER FEED CONNECTORS

Cover Plate
Square Cover Plate with threaded center access hole. Includes grounding washer, threaded nipple and nut. For use with LA-12, LA-13, LA-14 or LA-15. Covers 4" octagonal J-Box. 4-1/8" Sq. Finish: B, P, S

LA-4 - Cover Plate

Surface Conduit End Feed
(1) 1/2" Top K.O. and (1) 1/2" end K.O. for surface conduit. 4-5/8"L x 1-3/8"W x 1-1/2" H Finish: -B, P, S

LA-8 - End Feed
LA-8A - Reverse Polarity End Feed

Top Access End Feed
(1) 1/2" Top K.O. for standard electrical conduit. May be used as feed point. 3-1/4"L x 1-3/8" W. Finish: B, P, S

LA-10 - End Feed
LA-10A - Reverse Polarity End Feed

Junction Box Feed Kit
Square Cover Plate with End Feed. (1) 1/2" K.O. Kit includes j-box mounting bracket, threaded nipple and nut. 4–3/16" Sq. Finish: B, P, S

LA-9 - Junction Box Feed Kit

Floating Feed Kit
Can be installed anywhere along track. Kit includes square j-box canopy cover, j-box mounting bracket, track adapter, and one LA-11 series end cap. 4-5/8"Sq x 1-1/2" D. Finish: B, P, S

LA-7 - Floating Feed Kit

T-Bar End Feed
Ceiling End Feed has 4 1/8" square canopy cover. (3) 1/2" top K.O.'s can be used with T-grid installations. May be used as a feed point. 4-1/8"Sq. Finish: B, P

LA-20 - T-Bar Ceiling End Feed

2-Wire Cord & Plug Feed
14' 18-2 SPT1 End Feed Cord, 5A Max. Optional 6A/125V switch, cut-out in cover for cord. **Not UL Listed**. 3-1/4"L x 3/4"H Finish: B, P

LA-5 - 2-Wire Cord & Polarized Plug Feed

3-Wire Cord & Plug Feed
15' 18-3 3-Wire grounded plug. End Feed Cord, 5A Max. Grounded plug and connections, cut-out in cover for cord. **Not UL Listed**. 3-1/4"L x 3/4"H Finish: B, P

LA-6 - 3-Wire Cord & Grounded Plug Feed

Finish Codes: ***-B*** *(Black),* ***-P*** *(White),* ***-S*** *(Silver),* ***-U*** *(Unfinished)*

All specifications subject to change without notice.

SINGLE CIRCUIT TRACK CURRENT LIMITING DEVICES

the Regulator™

current limiting device

A line voltage track power feed that limits the amount of electrical load placed on a track run with an integral circuit breaker. Fifteen different amperages allow you to meet almost any power requirement.

- Single end feed or double in-line feed; T24 compliant models standard with 1' (12") track
- To add additional track length, an LA-2 Conductive Mini-Connector, or other track connector, must be used (Connectors sold separately)
- Plastic Polycarbonate Lexan™ wire cover; galvanized steel mounting plate. Available in black, white or silver
- 7/8" Diameter pry-outs for electrical feed, (2) are offset to accommodate grid ceiling runners. Oval mounting holes on 3-1/2" centers secure connector to junction box or mounting surface. Ground terminals for supply ground wire, center pry-out allows feeding from junction box.
- When sizing circuit breakers for LEDs, allow for an additional 10% overhead to account for in-rush currents
- Basic track connector has contacts keyed to maintain proper polarity with track
- Tamper proof steel mounting screws secure cover to plate. Tamper proof locking screw mechanically secures connector into track
- Fifteen different breaker ratings to customize your design (sold separately). May be used as a standard ON/OFF switch
- Illuminated rocker switch is easily seen from floor level to confirm that power is being supplied to track circuit
- Quick connect blade terminals; easy connection to included pigtails; breaker snaps into the power feed without the use of tools
- Can be used with suspended track systems
- cCSAus Certified

TITLE 24 REGULATORS

T24 COMPLIANT

T24 Thin Single Circuit End Feed
Thin End Feed Regulator Current Limiting Device with 1' track attached. Title 24 Compliant (CA)
5"L x 1-3/8"W x 1-1/4"H Finish: B, P, S

LA-23T-R - T24 Thin Single Circuit End Feed Current Limiting Regulator

T24 COMPLIANT

T24 Single Circuit End Feed
End Feed Regulator Current Limiting Device with 1' track attached. Title 24 Compliant (CA)
5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-23-R - T24 Single Circuit End Feed Current Limiting Regulator

T24 COMPLIANT

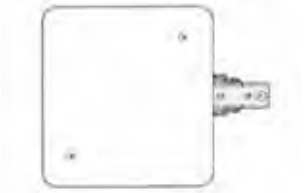
T24 Single Circuit In-Line Feed
In-line Feed Regulator Current Limiting Device with 1' track attached. Title 24 Compliant (CA)
5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-33-R - T24 Single Circuit In-Line Feed Current Limiting Regulator

SINGLE CIRCUIT REGULATORS

Thin Single Circuit End Feed
Thin End Feed Regulator Current Limiting Device
5"L x 1-3/8"W x 1-1/4"H Finish: B, P, S

LA-23T-RN - Thin Single Circuit End Feed Current Limiting Regulator



Single Circuit End Feed
End Feed Regulator Current Limiting Device
5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-23-RN - Single Circuit End Feed Current Limiting Regulator

Single Circuit In-Line Feed
In-Line Feed Regulator Current Limiting Device
5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-33-RN - Single Circuit In-Line Feed Current Limiting Regulator

ILLUMINATED CIRCUIT BREAKERS

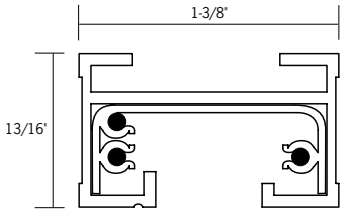
Illuminated Circuit Breaker

This design enables the end user to be charged only the maximum wattage of the breaker, not the standard 45W per linear foot of track as stated in the Title 24 Code. One breaker required per regulator unit. Finish: B, P, S

REG0.50A - 60W, 0.5A
REG1 - 120W, 1A
REG2 - 210W, 1.75A
REG21 - 240W, 2A
REG3 - 300W, 2.5A
REG4 - 360W, 3A
REG5 - 480W, 4A
REG6 - 600W, 5A
REG7 - 720W, 6A
REG8 - 840W, 7A
REG9 - 900W, 7.5A
REG91 - 960W, 8A
REG10 - 1200W, 10A
REG12 - 1440W, 12A
REG14 - 1680W, 14A

All specifications subject to change without notice.

TWO CIRCUIT TRACK



Track Mounting Hole Dimensions:

Hole Diameter: 11.5mm

Snap-in Grommet Hole Diameter: 4.8mm

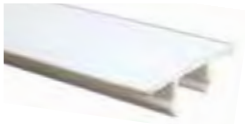
Toggle Bolt Size: 4.5mm Diameter (Thread), 7.7mm Diameter (Head)

- A myriad of configurations are possible with these 120V/40A (20A per circuit) rated commercial grade track sections; Split lighting loads over one run of track for higher wattage output per running foot of track
- Low profile track cross-section; an economic solution for most applications
- Track has solid copper conductors with Noryl® insulators placed in heavy 14 gauge extruded aluminum channels
- Mechanical polarity with a visual indicator simplifies installation and mounting of luminaires while assuring proper electrical connections
- Each section of track contains two hot (120V) conductors, plus a common neutral conductor; all ConTech track luminaires have two position contacts to access either circuit
- Change lighting effects by simply applying luminaires to desired circuits and utilize separate switching
- Toggle bolts are supplied for simple surface installation; 2', 4', and 6' sections supplied with (2) toggle bolts, 8' and 12' sections supplied with (3) toggle bolts
- Nominal length track sections can be cut in the field for exact fit
- Strong "H" design construction
- Track sections may be mounted within ConTech's Recessed Track Housing System to minimize appearance
- All track sections are supplied with two insulated end caps; additional may be separately ordered for replacement needs
- cULus Listed for dry locations only

Two Circuit Track Length	— Finish
LT-22 - 2' (24") Track Length; 20-1/8" Actual Length	**B** - Black
LT-24 - 4' (48") Track Length; 44-1/8" Actual Length	**P** - White
LT-26 - 6' (72") Track Length; 68-1/8" Actual Length	**S*** - Silver
LT-28 - 8' (96") Track Length; 92-1/8" Actual Length	
LT-212 - 12' (144") Track Length; 140-1/8" Actual Length	*Not Available in 12' Sections

Replacement End Cap
Two (2) are supplied with each track section. Finish: B, P, S

LA-211



Front Insert
Closes access to conductors (required in lower installations). 8' Long; can be field cut. Finish: B, P, S

8T FRT INSERT

Wireway Cover
Plastic cover for track raceway. Slides into back of track. 1' lengths. Finish: B, P

LA-241

TWO CIRCUIT LUMINAIRE INSTALLATION

Accessing the alternate track circuit is simple. All ConTech track luminaires have two contacts in the base that engage conductors within the track: one for neutral and the other for the positive (live) conductor. Dual circuit tracks contain one neutral and two positive conductors. Engaging the second live conductor is as simple as 1, 2, 3...

STEP 1

Identify the positive connector on the track luminaire track head, marked "P"

STEP 2

Pull up the positive, "P", connector to the position shown.

STEP 3

Slide the plastic shim, **included with track** (Part #: 2C1N SHIM-[B,P]), beneath the connector, locking the tabs in place.

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

TWO CIRCUIT TRACK MOUNTING ACCESSORIES FOR T-BAR GRID CEILINGS

ConTech recommends using a minimum of (2) mounting points for 2', 4' and 6' track sections, (3) mounting points for 8' sections and (4) mounting points for 12' sections of track

15/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long studs, white painted finish. 1-1/2"L x 1"H

LA-1 - Stud Type T-Bar Mounting Clip

15/16" Grid
Slide-On Type T-Bar Mounting Clip
Fits into channel in back of track; may be spaced to 4ft. Unfinished. 1-1/2"L x 1-1/4"H

LA-1A - Slide-on Type T-Bar Mounting Clip

9/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long stud, white painted finish. 1-1/4"L x 5/8"H

LA-1C - Stud Type T-Bar Mounting Clip

15/16" Grid
Deep Tile T-Bar Mounting Clip
Fits into channel in back of track; may be spaced to 4ft. Unfinished. 1-1/2"L x 1-1/4"H

LA-1B - Deep Tile T-Bar Mounting Clip

9/16" Grid
Deep Tile T-Bar Mounting Clip
#8-32 x 7/8" Long stud, white painted finish. Must be used with LA-1CB SPACER. 1-1/4"L x 5/8"H

LA-1CB - Stud Type T-Bar Mounting Clip

Deep Ceiling Tile Spacer
Spacer for deep ceiling tiles. Use with LA-1C. Unfinished. 1-5/8"L x 3/4"H

LA-1CB SPACER - Deep Ceiling Tile Spacer

TWO CIRCUIT TRACK CONNECTION ACCESSORIES

Mini-Connectors
End-to-end connectors. Not compatible with LASB-2. 2-11/16"L x 1-1/2" W. Finish: B, P, S

LA-202 - Conductive Connector

Flexible Connector
Versatile connector allows wall to ceiling or pitched ceiling applications: 35° - 325°. 5-7/8"L x 1-3/8"W. Finish: B, P, S

LA-203- Flexible Connector

3-Way Connector
Use as standard or reverse polarity "L" or straight connector. Includes two covers: "L" and straight. May be used as power feed. 2-3/4"L x 1-3/8"W. Finish: B, P, S

LA-212 -3-Way Connector

"T" Connectors
May be used as a feed point. 4-1/8"L x 2-3/4" W. Finish: B, P, S

LA-213 - "T" Connector
LA-214 - Reverse Polarity "T" Connector

"X" Connector
May be used as feed point. Wired as two separate "L" sections. 4-1/8"L x 4-1/8"W. Finish: B, P, S

LA-215- "X" Connector

Adjustable T-Bar Connector
Connector with square canopy cover. (3) 1/2" top K.O.'s. Can be used as straight connector feed with T-grid installations. Can be configured as a standard or reverse polarity "L" connector or straight connector 4-1/8"L x 4-1/8"W. Finish: B, P

LA-231- Adjustable T-Bar Connector

Finish Codes: ***-B*** *(Black),* ***-P*** *(White),* ***-S*** *(Silver),* ***-U*** *(Unfinished)*

All specifications subject to change without notice.

TWO CIRCUIT TRACK POWER FEED CONNECTORS

Cover Plate
Square Cover Plate with threaded center access hole. Includes grounding washer, threaded nipple and nut. For use with LA-212, LA-213, LA-214 or LA-215. Covers 4" octagonal J-Box. 4-1/8" Sq. Finish: B, P, S

LA-4 - Cover Plate

Surface Conduit End Feed
(1) 1/2" Top K.O. and (1) 1/2" end K.O. for surface conduit. 4-5/8"L x 1-3/8"W x 1-1/2"H Finish: -B, P, S

LA-208 - End Feed
LA-208A - Reverse Polarity End Feed

Top Access End Feed
(1) 1/2" Top K.O. for standard electrical conduit. May be used as feed point. 3-1/4"L x 1-3/8" W. Finish: B, P, S

LA-210 - End Feed
LA-210A - Reverse Polarity End Feed

Junction Box Feed Kit
Square Cover Plate with End Feed. (1) 1/2" K.O. Kit includes j-box mounting bracket, threaded nipple and nut. 4–3/16"Sq. Finish: B, P, S

LA-209 - Junction Box Feed Kit

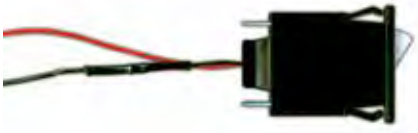
Floating Feed Kit
Can be installed anywhere along track. Kit includes square j-box canopy cover, j-box mounting bracket, track adapter, and one LA-211 series end cap. 4-5/8"Sq x 1-1/2"D. Finish: B, P, S

LA-207 - Floating Feed Kit

T-Bar End Feed
Ceiling End Feed has 4 1/8" square canopy cover. (3) 1/2" Top K.O.'s can be used with T-grid installations. May be used as a feed point. 4-1/8"Sq. Finish: B, P

LA-220 - T-Bar Ceiling End Feed

the Regulator™ current limiting device — TWO CIRCUIT TRACK CURRENT LIMITING DEVICES



Illuminated Circuit Breaker

This design enables the end user to be charged only the maximum wattage of the breaker, not the standard 45W per linear foot of track as stated in the Title 24 Code. **Two breakers required per regulator unit**. *When sizing circuit breakers for LEDs, allow for an additional 10% overhead to account for in-rush currents.* Finish: B, P, S

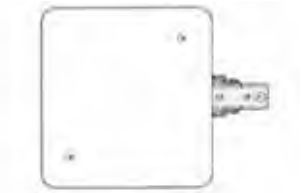
REG0.50A - 60W, 0.5A
REG1 - 120W, 1A
REG2 - 210W, 1.75A
REG21 - 240W, 2A
REG3 - 300W, 2.5A
REG4 - 360W, 3A
REG5 - 480W, 4A
REG6 - 600W, 5A
REG7 - 720W, 6A
REG8 - 840W, 7A
REG9 - 900W, 7.5A
REG91 - 960W, 8A
REG10 - 1200W, 10A
REG12 - 1440W, 12A
REG14 - 1680W, 14A

T24 Two Circuit End Feed
End Feed Regulator Current Limiting Device with 1' track attached. Title 24 Compliant (CA). Two (2) circuit breakers required. 5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-223-R - T24 Two Circuit End Feed Current Limiting Regulator

T24 Two Circuit In-Line Feed
In-line Feed Regulator Current Limiting Device with 1' track attached. Title 24 Compliant (CA) Two (2) circuit breakers required. 5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-233-R - T24 Two Circuit In-Line Feed Current Limiting Regulator



Two Circuit End Feed
End Feed Regulator Current Limiting Device. Two (2) circuit breakers required. 5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-223-RN - Two Circuit End Feed Current Limiting Regulator

Two Circuit In-Line Feed
In-Line Feed Regulator Current Limiting Device. Two (2) circuit breakers required. 5"L x 5"W x 1-1/4"H Finish: B, P, S

LA-233-RN - Two Circuit In-Line Feed Current Limiting Regulator

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

RECESSED TRACK HOUSING FOR SINGLE & TWO CIRCUIT TRACK

- Designed for use with Single or Two Circuit ConTech track
- Extruded aluminum housing is mounted into the ceiling cavity which allows for flush installation of the track system to any style of ceiling. 1-1/2" Depth x 2" Wide.
- All mounting hardware is provided for installation finishing to drywall or suspended ceilings
- Spacers are supplied with RTH-4 and RTH-8 to adjust for thickness of single or two-circuit track
- All finishing surfaces are white enamel
- A major feature and benefit of ConTech track and track components are the “can’t miss” polarity indicators which work together and assure proper polarity
- Each section of track has a groove incised length-wise into the exposed underside of the track indicating the positive terminal.
- All connectors and luminaire adapters also have an arrow or “P” on their connecting ends indicating their positive terminal
- Track, connectors and luminaire adapters are designed to fit together easily when polarities are correctly aligned

Recessed Track Section

RTH4 - 4' (48") Track Length; 44-1/8" Actual Length. Use with LT-4 or LT-24.
RTH8 - 8' (96") Track Length; 92-1/8" Actual Length. Use with LT-8 or LT-28.

RECESSED TRACK HOUSING CONNECTION ACCESSORIES

Straight Connector Housing
Use with LA-12 or LA212. 4-3/16"L x 2-5/8" W. Connector housing is not required when using the LA-2 or LA-202 mini-connector.

RAH-2 - Straight Connector Housing

“L” Connector Housing
Use with LA-12 or LA212. 4-7/8"L x 2-5/8"W.

RAH-12- “L” Connector Housing

“T” Connector Housing
Use with LA-13, LA-14, LA-213, or LA-214. 7-1/8"L x 4-3/4"D x 2-5/8"W.

RAH-13- “T” Connector Housing

“X” Connector Housing
Use with LA-15 or LA-215. 7-1/8"L x 2-5/8"W.

RAH-15- “X” Connector Housing

End Feed Housing
Use with LA-10 or LA-210. 3-5/8"L x 2-5/8"W.

RAH-10- End Feed Housing

Housing Dead End Piece
Order one to complete each track run. 2"L x 5/8"W.

RAH-11- Housing Dead End Piece

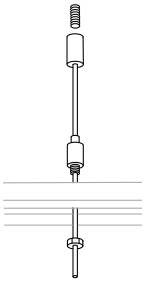
*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

SUSPENSION SYSTEMS FOR SINGLE & TWO CIRCUIT TRACK

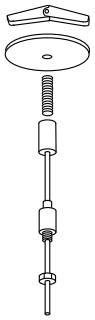
Aircraft Cable Suspension Kits

- Designed for suspension of track lighting systems to create a “floating” appearance
- May be used for applications in earthquake zones
- Available in models with 24", 48", or 180" length 1/16" diameter galvanized steel cable (cut to finished length as required)
- Nickel-plated steel, patented grip-tight connector with quick-release button for infinite adjustability
- Coupler attaches to 1/4-20 stud which mounts to grid ceiling or ceiling structure via T-bar mounting clip (black) or hanger bolt (both are supplied)
- For installation to dry wall ceiling, a cable kit is available with a 3/16" toggle bolt
- Track lighting systems utilizing cable suspension require electrical connection through rigid or flexible conduit
- Two cables recommended for 2', 4', 6', and three cables for 8' and 12' pre-drilled track
- 150 Lb Load test capacity



Cable Mounting Kit
For installation into grid ceiling or ceiling structure. Includes cable coupler (threaded for 1/4-20 stud), cable holder with lock nut, 1/16" galvanized cable, 1/4-20 hanger bolt and T-bar mounting clip with 1/4-20 stud.

LAC-24 - 24" Steel Cable
LAC-48 - 48" Steel Cable
LAC-180 - 180" Steel Cable



Cable Mounting Kit with Toggle Bolt
For installation to dry wall ceiling. Includes cable coupler (threaded for 1/4-20 stud), cable holder with lock nut, 1/16" galvanized cable, 1/4-20 toggle bolt assembly and 1-7/8" diameter ceiling cover plate.

LACD-24 - 24" Steel Cable
LACD-48 - 48" Steel Cable
LACD-180 - 180" Steel Cable

Extension Brackets

- Track extension brackets designed for mounting ConTech track away from the wall
- Available in two lengths: 24" and 36"
- Ideal for trade show booths, display areas, and artwork illumination
- The LA3609 bracket is supplied with an angled additional support arm or will accept an optional LAC-48 Aircraft Cable Suspension Kit
- Brackets are shipped with 3/16" toggle bolts, washers and screws
- Use two brackets for 2', 4' and 6' track sections, three brackets for 8' sections, and four for 12' sections
- Track and track connectors must be ordered separately
- For permanent installation wiring, use ConTech LA-10 End Feed (top access); for temporary electrical connections, use LA-5 (2-wire cord end feed with switch) or LA-6

24" Wall Track Extension Bracket
Includes toggle bolt, washers and screws.
24" L x 1-3/4" W x 8-1/2" H. Finish: -B, P, S

LA2409 - 24" Wall Track Extension Bracket

36" Wall Track Extension Bracket
Includes toggle bolt, washers and screws.
36"L x 1-3/4"W x 8-1/2"H. Finish: -B, P, S

LA3609 - 36" Wall Track Extension Bracket

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

Stem Suspension Kits

- These accessories are used to lower entire track sections for accent or task lighting
- Available in models with or without stem lengths for custom lengths
- Two stem recommended for 2', 4', 6', and three stems for 8' and 12' pre-drilled track

T-Bar Mount Feed Stem Support Kits

Allows mounting of track to 15/16" Wide T-Bar Grid. Includes canopy cover (4-3/4" dia.), T-Bar mounting assembly, mounting bracket for back of track. Can be used for power feed. Finish: B, P

LA5312 - 12" Stem Kit
LA5318 - 18" Stem Kit
LA-53 - Kit without Stem

Junction Box Mount Feed Stem Support Kits

Kit allows stem mounting of track to drywall ceilings. Includes J-Box hardware, canopy cover (4-3/4" dia.) and mounting bracket for back of track. Can be used for power feed. Finish: B, P

LA5012 - 12" Stem Kit
LA5018 - 18" Stem Kit
LA5018A - Kit without Stem, Finish: B, P, S

T-Bar Mount Stem Support Kits

Allows stem mounting of track to T-Bar grid. Includes T-Bar clip, stem adapter, mounting bracket for back of track. Can not be used for power feed. Finish: B, P

LA5112 - 12" Stem Kit
LA5118 - 18" Stem Kit
LA-51 - Kit without Stem

Threaded Steel Pipe Stem with Coupling

For use with LA5018A, LA-50, LA-51, and LA-53 Kits. Stems use 1/4-18 NPS thread. Finish: B, P, S

6" STEM
12" STEM
18" STEM
24" STEM
30" STEM
36" STEM
48" STEM

Threaded Steel Pipe Stem without Coupling

For use with LA5018A, LA-50, LA-51, and LA-53 Kits. Stems use 1/4-18 NPS thread. Finish: B, P, S

6" STEM (A)
12" STEM (A)
18" STEM (A)
24" STEM (A)
30" STEM (A)
36" STEM (A)
48" STEM (A)

COUPLING

Coupling Only. For use with STEM series. Finish: B, P, S

COUPLING

Stem Dimensions

Stem O.D.:	12.78mm
Stem I.D.:	9.3mm
Threaded Portion Length:	19.8mm
Metric Thread Size:	1/4-18 NPS

Coupling Length:	39.9mm
Coupling O.D.:	16.88mm
Coupling I.D.:	12.46mm
Coupling Inner Metric Thread Size:	1/4-18 NPS

Swivel Stem Kit for Sloped Ceilings

Less stem. Includes J-Box hardware, canopy cover, swivel adapter and mounting bracket for back of track. 10 to 15 lb. max.; 8 foot max. Can be used for power feed. Finish: B, P

LA-50 - Swivel Stem Kit for Sloped Ceilings

Canopy

Plastic Canopy with Set Screw. For use with LA-51, LA-5112 or LA-5118 to cover T-Bar attachment. Finish: B, P

LA-54 - Canopy

Threaded Rod Mounting Kit

Less rod (provided by others). Finish: B, P

LA-52 - 5/16"-18 UNC
LA-52-3/8 - 3/8"-16 UNC

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

TRACK LUMINAIRE ADAPTERS & ACCESSORIES

Mono- & Duo-Points

Line Voltage Mono-Point Adapter
Mounts one 120V line voltage track head to outlet box. 4-3/4"W x 5/8"H Finish: B, P, S

LA-18

277V Mono-Point Adapter
Mono-point adapter must be permanently attached to the fixture at the factory. Add suffix "**-MP27**" to the fixture item number. May not apply to all fixtures, consult factory for details.

Low Voltage Mono-Point Adapters
Mounts one low voltage track head to outlet box. 4-3/4"W x 1-1/2"H. Transformer range: 20W - 75W. Uses (2) 8-32 screws, UNC, 50mm OAL, thread portion: 47.5mm. Finish: B, P

120V-12V Low Voltage Mono-Point Adapter
Built-in solid state transformer. Use in place of LA2050N or LA2075N.
LA1816

277V-12V Low Voltage Mono-Point Adapter
Built-in solid state transformer.
LA1816 277V

Low Voltage Mono-Point Adapter without Transformer
For use with remote transformers only.
LA-18160

Weighted Base Adapter
Mounts one line voltage track head. 66" Grounded cord. 4-3/4"W x 3/4"H Finish: B, P

LA-22 - 120V

6" Line Voltage Adapter Plate
Converts recessed 6" housing to mono-point for line voltage track heads. 6"W. Finish: B, P, S

CTR618

Duo-Point Adapter
Accepts two line voltage track heads to mount to single outlet box. 13"L x 4-1/8"W, 8-7/8"O. C. Finish: B, P

LA-21

Luminaire Stem Extensions

Line Voltage Luminaire Extensions

LA1004N-(B,P)
4" Extension, L: 4-1/2"

LA1012-(B,P,S)
12" Extension, L: 14-1/4"

LA1018-(B,P,S)
18" Extension, L: 20-1/4"

LA1024-(B,P,S)
24" Extension, L: 26-1/4"

LA1036-(B,P,S)
36" Extension, L: 38-1/4"

LA1048-(B,P,S)
48" Extension, L: 50-1/4"

Low Voltage Luminaire Extensions

LA1012LV-(B,P,S)
12" Extension, L: 15-1/2"

LA1018LV-(B,P,S)
18" Extension, L: 21-1/2"

LA1024LV-(B,P,S)
24" Extension, L: 27-1/2"

LA1036LV-(B,P,S)
36" Extension, L: 39-1/2"

LA1048LV-(B,P,S)
48" Extension, L: 51-1/2"

Safety Cable

18" Steel Safety Cable; Secures with swivel snap

LA-25-SC

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

Sloped Ceiling Adapters

Line Voltage Sloped Ceiling Adapter

Use with line voltage luminaires or extensions when track or mono-point adapter is mounted to a sloped ceiling. 4-3/8" Length, 0-90° Range. Finish: B, P

LA1004

Low Voltage Sloped Ceiling Adapter

Use with low voltage luminaires or extensions when track or mono-point adapter is mounted to a sloped ceiling. For use with LA2050N or LA075N Solid State Transformer or LA1816 Series Mono-Point. 4" Length. Finish: B, P

LA1004LV

Luminaire Adapters & Accessories

Adjustable Track Lighting Bracket with Clamp

Line Voltage Bracket with 5' coiled cord and track connector. 2-1/2" Max. thickness of flat surface for clamp attachment. Low voltage model requires LA2050N or LA2075N Transformer. Finish: B, P

LA-118 - Line Voltage Adjustable Bracket
LA-118LV - Low Voltage Adjustable Bracket

Long Adjustable Track Lighting Bracket with Clamp

Line Voltage 19" long bracket with 12' grounded cord/plug. 2-1/2" Max. thickness of flat surface for clamp attachment. Finish: B, P

LA1019 - Long Adjustable Bracket

Adjustable Clamp/Mono-Point Bracket

Line Voltage mono-point with 8' coiled cord and 3-wire grounded plug. 2-1/2" Max. thickness of flat surface or pipe for clamp attachment. Finish: B, P

LA118RP - Adjst. Clamp/Mono-Point Bracket

Pendant Luminaire Adapter, Chain

Integral on/off switch, track polarity indicator. Luminaire weight can not exceed 10 lbs. 2-1/8" H Finish: B, P

LA-17 - Pendant Luminaire Adapter, Chain

Pendant Luminaire Adapter, Cord

Integral on/off switch, track polarity indicator. Luminaire weight can not exceed 10 lbs. Not UL Listed unless supplied with RLM series luminaires. 2-1/8" H. Finish: B, P

LA-17A - Pendant Luminaire Adapter, Cord

Grounded Outlet*

Integral on/off switch, track polarity indicator. Max. 5A capacity. Not UL Listed. 2-1/4"H. Finish: B, P

LA-16 - Grounded Outlet

**Track is not allowed to have a convenience receptacle due to a requirement in the NEC. Article 410.101 (a) states that a "Lighting track fitting shall not be equipped with general-purpose receptacles." This requirement in the NEC makes the LA-16 fitting un-listable by UL.*

Planter/Utility Hook

Nonelectrical, Not UL Listed. 10 lb. capacity. 2-1/16"H Finish: B, P

LA117 - Planter/Utility Hook

Safety Cable

18" Steel Safety Cable; Secures with swivel snap

LA-25-SC

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

TRACK LUMINAIRE ADAPTERS & ACCESSORIES

Luminaire Adapters & Accessories

Quick Release Line Voltage Track Adapter
Connect Quick Release Series luminaires and pendants to line voltage track system. 5-1/4"L x 1-11-16"H x 1-3/8"W. Finish: S

CRS-LVTQR - Quick Release Track Adapter

Quick Release 8W LED Pendant Line Voltage Track Adapter
To connect CRS8 pendant to standard line voltage track. Triac LED dimming driver included. 7"L x 2"H. Finish: B, P, S

CRS8-LVTQRD1 - Quick Release Track Adapter with Triac Dimming Driver

Line to Low Voltage Transformer
120V-12V Track-mounted solid state electronic transformer. 4"L x 1-5/8"H x 1-3/8"W. Finish: B, P, S

LA2050N - 20-50W Transformer
LA2050NL - 1-60W Transformer
LA2075N - 20-75W Transformer

Symphony Horizontal Line Voltage Track Adapter
120V-12V Track mounted solid state electronic transformer with Symphony Horizontal Adapter. For use with Symphony Low Voltage miniature luminaires only. 5-1/4"L x 1-11-16"H x 1-3/8"W Finish: B, P, S

LA2050HSYM - Symphony Horizontal Adapter

Symphony Vertical Line Voltage Track Adapter
120V-12V Track mounted solid state electronic transformer with Symphony Vertical Adapter. For use with Symphony Low Voltage miniature luminaires only. 4-1/8"H x 1-3/4"W x 1-1/8"D Finish: -B, P, S

LA2050VSYM - Symphony Vertical Adapter

Odyssey Flexible Track Adapter
Connect Con-Tech "CTL" series track luminaires to Odyssey Flexible Track System. 10 lb. load capacity. 4" H. Finish: S

LIR59875 - Odyssey/Track Adapter

Luminaire Adapters For Alternate Systems

Standard ConTech track luminaires are UL Listed as-is for use with many track systems as well as Juno®[1] track lighting. UL Listed adapters and inserts are available that make ConTech luminaires compatible with other manufacturer's track systems, including Halo®[2], Lightolier®[3], and Capri®[4]. For more information, please consult our factory.

Capri® Track Adapter
Factory installed. Allows ConTech luminaires to be retrofitted to Capri® track. Change "CTL" prefix in track luminaire part number to "PTL". Finish: B, P, S

Halo® Track Adapter
Factory installed. Allows ConTech luminaires to be retrofitted to Halo® track. Change "CTL" prefix in track luminaire part number to "HTL". Finish: B, P, S

Lightolier® Track Adapter
Factory installed. Allows ConTech luminaires to be retrofitted to Lightolier® track. Change "CTL" prefix in track luminaire part number to "LTL". Finish: B, P, S

Halo® Track Adapter
Allows ConTech luminaires to be retrofitted to Halo® track. 2-3/8"H Finish: B, P

LA1025H - Halo® Track Adapter

Lightolier® Track Adapter
Allows ConTech luminaires to be retrofitted to Lightolier® track. 2-1/2"H Finish: B, P

LA1025L - Lightolier® Track Adapter

Busway Track Adapter
Fused luminaire adapter for use with Universal Starline Track Busway. Consult factory for compatibility details. Finish: B, P

CIP60-USF - Busway Track Adapter

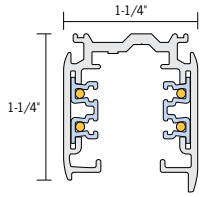
1. Juno is a registered trademark of Juno Lighting
2. Halo is a registered trademark of Cooper Lighting
3. Lightolier is a registered trademark of Philips Lighting
4. Capri is a registered trademark of Philips Lighting

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

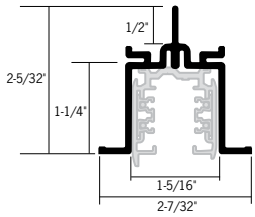
All specifications subject to change without notice.

2-CIRCUIT/2-NEUTRAL TRACK

- Ideal for dimming intensive applications
- Independent neutrals guarantee that the two circuits are completely isolated eliminating cross-circuit interference, essential for trouble free dimming
- Lack of harmonics ensures superior luminaire performance and longer equipment life.
- Independent Neutrals enable greater power capacity (2 x 20A);
- Oversized Conductors for higher operating safety and reduced overload potential.
- Secure Bus Bar Insulation: firmly crimped insulation secures both conductors and insulation for the life of product
- Separate Mechanical Suspension Points provide superior weight bearing capacity; ensures electrical contact integrity and reduces likelihood of arcing.
- Polarity Ridge takes the guesswork out of connector and track alignment during installation
- Architectural grade extruded aluminum
- Low profile, easy and flexible



2-Circuit/2-Neutral Track Sections		Finish	
NTEK44	- 120V 4' (48") Track Length	**B**	- Black
NTEK48	- 120V 8' (96") Track Length	**P**	- White
NTEK412	- 120V 12' (144") Track Length	**S**	- Silver
NHTEK44	- 277V 4' (48") Track Length		
NHTEK48	- 277V 8' (96") Track Length		
NHTEK412	- 277V 12' (144") Track Length		



2-Circuit/2-Neutral Recessed Track Sections		Finish	
NFTP44	- 4' (48") Recessed Track Length; 51-1/2" Actual Length	**B**	- Black
NFTP48	- 8' (96") Recessed Track Length; 99-1/2" Actual Length	**P**	- White
NFTP412	- 12' (144") Recessed Track Length; 147-1/2" Actual Length	**S**	- Silver

TYPICAL SYSTEM INSTALLATIONS

NTEK and NHTEK track are polarized and manufactured with indentifying ridges (dotted line on diagrams). Refer to these diagrams to ensure proper connector selection.

KEY:

1 - NTEK11
Live End Feed
NTEK12
Live End Feed
Reverse Polarity

2 - NTEK21
Linear Coupler

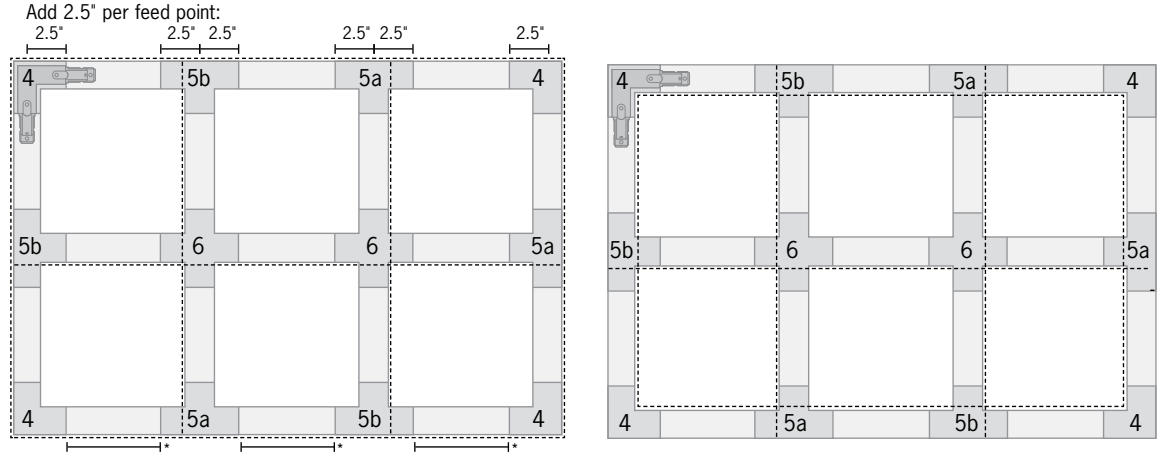
3 - NTEK14
Live Middle Feed

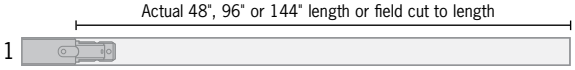
4 - NTEK34
Feedable
L-Connector
Adj. Polarity

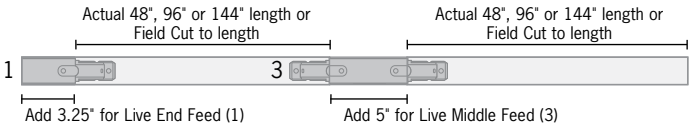
5a - NTEK39
Feedable
T-Connector
Adj. Polarity

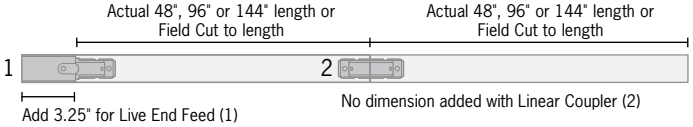
5b - NTEK40
Feedable
T-Connector
Adj. Left Polarity

6 - NTEK38
Feedable
X-Connector

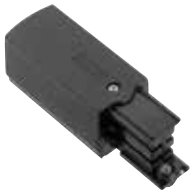








All specifications subject to change without notice.

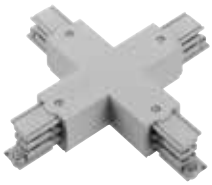


Live End Feeds
3-1/4"L x 2-1/2"H. Finish: B, P, S

NTEK11 - 120V
NHTEK11 - 277V
NTEK12 - 120V, Reverse Polarity
NHTEK12 - 277V, Reverse Polarity

Feedable "T" Connectors
5"L x 2-1/2"H. Finish: B, P, S

NTEK39 - 120V Adj. Right Polarity
NHTEK39 - 277V Adj. Right Polarity
NTEK40 - 120V Adj. Left Polarity
NHTEK40 - 277V Adj. Left Polarity



Feedable "X" Connectors
5"L x 2-1/2"H. Finish: B, P, S

NTEK38 - 120V
NHTEK38 - 277V

Feedable "L" Connector
3"L x 2-1/2"H. Finish: B, P, S

NTEK34 - 120V Adj. Polarity
NHTEK34 - 277V Adj. Polarity

Live Middle Feed
5"L x 2-1/2"H. Finish: B, P, S

NTEK14 - 120V
NHTEK14 - 277V

Linear Coupler
Finish: B, P, S

NTEK21 - 120V
NHTEK21 - 277V

Adjustable Connector
52° Minimum, 307° Maximum. Finish: B, P, S

NTEK24 - 120V
NHTEK24 - 277V

Outlet Box Cover
5"SQ. Finish: B, P

NGES15 - Outlet Box Cover

Dead Ends
Must be ordered separately. Finish: B, P, S

NTEK41 - 120V
NHTEK41 - 277V

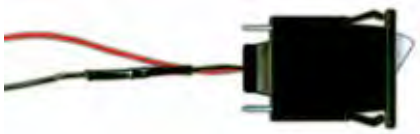
Track Length and Field Cutting Tool
All-in-one hand tool, bends conductors to manufacturer specifications and includes gauge to verify correct length. Finish: U

NXTSV12 - Track Length and Field Cutting Tool

Live End Feed/Current Limiting Device
Limits the amount of electrical load that can be placed on the circuit. Must be used with Illuminated Circuit Breaker, two (2) required. 5"SQ x 1-7/8"H. Finish: B,P,S

NTEK11CB - 120V
NHTEK11CB - 277V*
NTEK12CB - 120V, Reverse Polarity
NHTEK12CB - 277V* Reverse Polarity

**ConTech Lighting does not carry 277V Circuit Breakers (R11 Series), these may be purchased through an Airpax Sensata or an electronics distributor*



Illuminated Circuit Breaker - 120V ONLY

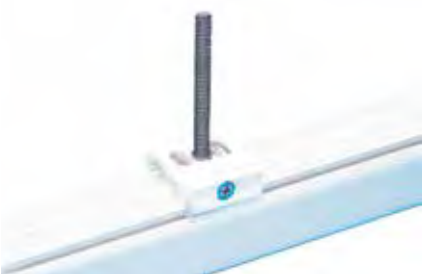
Enables the end user to be charged only the maximum wattage of the breaker, not the standard 45W per linear foot of track as stated in the Title 24 Code. Two breakers required per regulator unit. To be used only with NTEK(11,12) CB 120V Circuit Breakers. Finish: B, P, S

REG0.50A - 60W, 0.5A
REG1 - 120W, 1A
REG2 - 210W, 1.75A
REG21 - 240W, 2A
REG3 - 300W, 2.5A
REG4 - 360W, 3A
REG5 - 480W, 4A
REG6 - 600W, 5A
REG7 - 720W, 6A
REG8 - 840W, 7A
REG9 - 900W, 7.5A
REG91 - 960W, 8A
REG10 - 1200W, 10A
REG12 - 1440W, 12A
REG14 - 1680W, 14A

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

2-CIRCUIT/2-NEUTRAL TRACK



Threaded Rod Mount
1/4" Dia., 6' Long. Finish: U

NSKB31 - Threaded Rod
NSKB32 - Plastic Covering Tube
For covering the threaded rod (not pictured). 65' Rolls only. Finish: B, P

Universal Stem Suspension Point
Also works with cable and threaded rod suspension. Includes bracket and cover; stem not included. Finish: B, P

NSP4P

Recessed End Cap
For safe, flush mounting applications. Natural galvanized steel. Finish: U

NFTP41

Cable Mount
Custom lengths can be special ordered. Finish: U

NSKB34 - 5' Long Cable
NSKB34/3M - 9' Long Cable

Deep Tile T-Bar Mounting Clip
For T-Bar Ceilings Finish: B,P

NSKBX12

T-Bar Mounting Clip
For T-Bar Ceilings Finish: B,P

NSKBT12

Mounting Clip
One piece mounting clip for threaded rod or cable mount (not included). Finish: B, P, S

NSKB10

Stem Kits
Includes stem and canopy. Finish: B, P

NSPUS12 - 12" Stem
NSPUS18 - 18" Stem
NSPUS24 - 24" Stem
NSPUS36 - 36" Stem
NSPUS48 - 48" Stem

Ceiling Cup
For Threaded Rod Mount (threaded rod, NSKB31-U, not included) or Cable Mount (cable, NSKB34-U, not included). Finish: B, P

NSKB30

2-CIRCUIT/2-NEUTRAL LUMINAIRE ADAPTERS

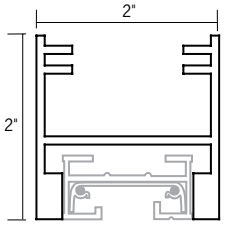
120V Luminaire Adapter
For 120V Luminaires. Switchable between circuits and on/off. Max. 20lbs/1200W. May be factory installed. 3-1/4"L x 1-5/8"W x 4-1/16"H; Total drop from adapter: 3-1/16". Finish: B, P, S

NTEK70 - 120V, See pages 14-77 for compatible luminaires

277V Luminaire Adapter
Must be factory installed. Consult factory for 277V compatible luminaires.
Finish: B, P

All specifications subject to change without notice.

- Lux Beam can be used to create a myriad of shapes and add people scale to any space
- Easily installed: Lux Beam features ConTech track which is compatible with an extensive selection of track luminaires for any application
- Aluminum extrusion may be suspended with threaded rod or cable
- Each Lux Beam section is supplied with the aluminum extrusion, track section (single or 2-circuit), mini live end (standard polarity), and mini live end (reverse polarity)
- **Indirect uplighting available using ConTech Tapelight and accessories; see Lux Beam accessories and Tape light section**
- cCSAus Listed for dry locations only



Lux Beam Section		Finish*	
LB122-2	- 2' Beam with 2' Single Circuit Track	**B**	- Black
LB122-4	- 4' Beam with 4' Single Circuit Track	**P**	- White
LB122-6	- 6' Beam with 6' Single Circuit Track	**S**	- Silver
LB122-8	- 8' Beam with 8' Single Circuit Track		
LB122-12	- 12' Beam with 12' Single Circuit Track		
LB222-2	- 2' Beam with 2' Two- Circuit Track		
LB222-4	- 4' Beam with 4' Two- Circuit Track		
LB222-6	- 6' Beam with 6' Two- Circuit Track		
LB222-8	- 8' Beam with 8' Two- Circuit Track		
LB222-12	- 12' Beam with 12' Two- Circuit Track		
LB22-2BL	- 2' Blank Beam Section with Blank Filler Strip		
LB22-4BL	- 4' Blank Beam Section with Blank Filler Strip		
LB22-6BL	- 6' Blank Beam Section with Blank Filler Strip		
LB22-8BL	- 8' Blank Beam Section with Blank Filler Strip		
LB22-12BL	- 12' Blank Beam Section with Blank Filler Strip		

*Other colors available upon request

Safety Cable
18" Steel Safety Cable; Secures with swivel snap

LA-25-SC

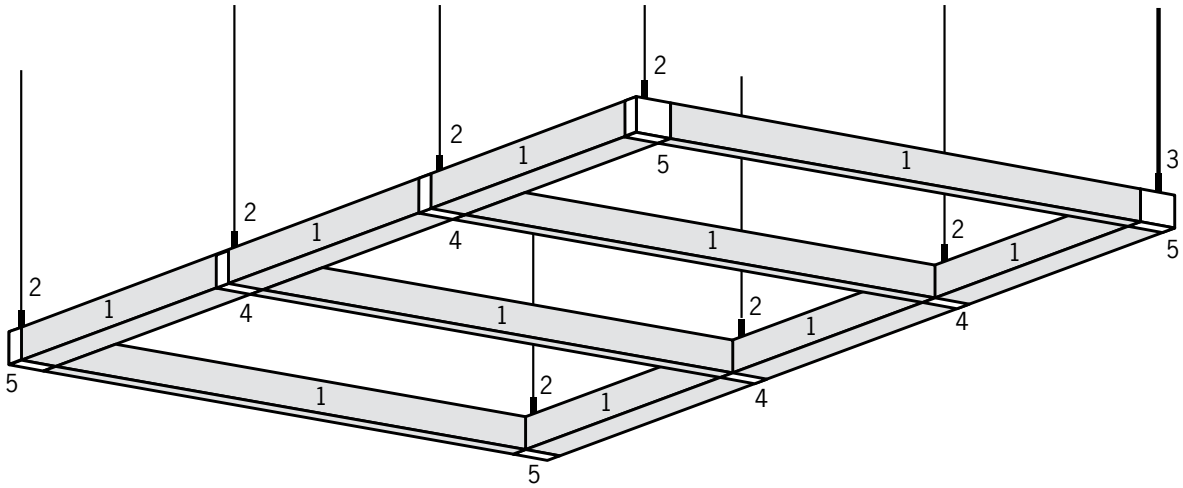
Mono-Point Connector
Installed in Filler Strip of Blank Beam Sections. Finish: B, P, S

LBMP

Blank Top Cover
Decorative element. Finish: B, P, S

LBC22-24 - 2' Top Cover
LBC22-48 - 4' Top Cover
LBC22-72 - 6' Top Cover
LBC22-96 - 8' Top Cover

TYPICAL SYSTEM INSTALLATION



KEY:

1 - LB122-4	4' Lux Beam
2 - LBC22-10AC	Cable Support
3 - LBC22AC310PF	Power Feed/Support
4 - LBC22-3	"T" Connector
5 - LBC22-2	90° Connector

All specifications subject to change without notice.

LUX BEAM SYSTEM CONNECTORS

Larger hole for cable feed or ConTech U-Connector. 1/4" Hole for aircraft cable connectors or threaded rod (all hardware by others).

End Connector
Finish: B, P, S
LBC22-1

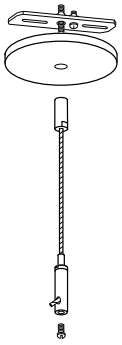
T Connector
Finish: B, P, S
LBC22-3

Straight Connector
Finish: B, P, S
LBC22-8

90 Degree Connector
Finish: B, P, S
LBC22-2

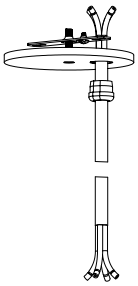
X Connector
Finish: B, P, S
LBC22-4

LUXBEAM SYSTEM POWER FEED AND SUPPORT ASSEMBLIES



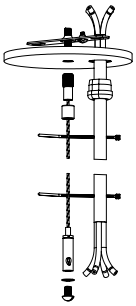
Aircraft Cable Support Assembly
Includes cable coupler (threaded for 1/4-20 stud), cable holder with screw and washer, cable, 1/4-20 hanger bolt, junction box cross bar and 5" ceiling plate canopy.
Cable: .08", 2mm AC, 5/64".
Finish: B, P, S

LBC22-10AC - 10' Aircraft Cable Set + Canopy
LBC22-20AC - 20' Aircraft Cable Set + Canopy



Power Feed Assembly
Includes SJT power cord, 1/4-20 hanger bolt, acorn nut, junction box cross bar, strain relief grip and 5" ceiling plate canopy. Finish: B, P, S

LBC22-310PF - 12/3 SJT, 10' Cord
LBC22-410PF - 12/4 SJT, 10' Cord
LBC22-320PF - 12/3 SJT, 20' Cord
LBC22-420PF - 12/4 SJT, 20' Cord



Power Feed/ Support Assembly
Includes cable coupler (threaded for 1/4-20 stud), cable holder with screw and washer, SJT power cord, 1/4-20 hanger bolt, junction box cross bar, tie wraps, strain relief grip and 5" ceiling plate canopy.
Finish: B, P, S

LBC22AC310PF - 12/3 SJT, 10' Cord
LBC22AC410PF - 12/4 SJT, 10' Cord
LBC22AC320PF - 12/3 SJT, 20' Cord
LBC22AC420PF - 12/4 SJT, 20' Cord

the Regulator™
current limiting device

Current Limiting Device
Limits the amount of electrical load that can be placed on the circuit. Must be used with Illuminated Circuit Breaker, one (1) required per circuit. 5"SQ x 1-1/4"H. Finish: B, P, S

LBC22-310REG - 12/3 SJT, 10' L, 1C1N, One Breaker Required
LBC22-320REG - 12/3 SJT, 20' L, 1C1N, One Breaker Required
LBC22-410REG - 12/4 SJT, 10' L, 2C1N, Two Breakers Required
LBC22-420REG - 12/4 SJT, 20' L, 2C1N, Two Breakers Required

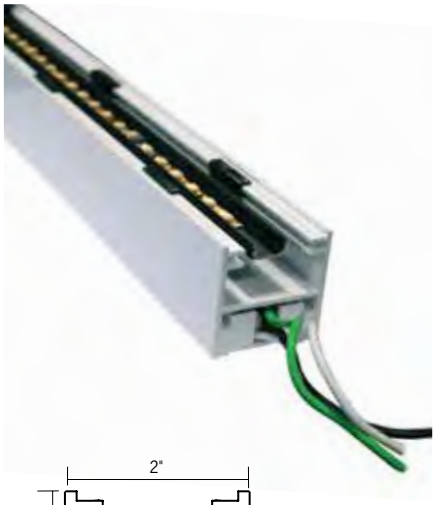
Illuminated Circuit Breaker
Can be used as a standard ON/OFF switch. Quick connect blade terminals for easy connection to included pigtails. One breaker required per circuit. Finish: B, P, S

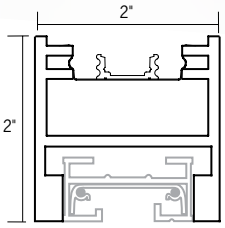
REG0.50A - 60W, 0.5A
REG1 - 120W, 1A
REG2 - 210W, 1.75A
REG21 - 240W, 2A
REG3 - 300W, 2.5A
REG4 - 360W, 3A
REG5 - 480W, 4A
REG6 - 600W, 5A
REG7 - 720W, 6A
REG8 - 840W, 7A
REG9 - 900W, 7.5A
REG91 - 960W, 8A
REG10 - 1200W, 10A
REG12 - 1440W, 12A
REG14 - 1680W, 14A

*Finish Codes: **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

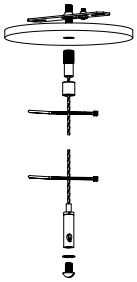
- Indirect uplighting available using ConTech Tapelight and accessories; see Lux Beam accessories and Tape light section
- cCSAus Listed for dry locations only





Indirect End Cap Cover
For hardwire or plug-and-play applications. Not a structural component. Do not attach to support cable. Finish: B, P, S

LBC22-COVER



Low Voltage Power Support for Indirect Uplighting
Includes cable coupler, cable holder with screw and washer, 1/4-20 hanger bolt, junction box cross bar, tie wraps, strain relief grip, and 5" ceiling canopy. No power wires included. For plug-and-play, use tape light extensions. For hardwire, wires supplied by others. Finish: B, P, S

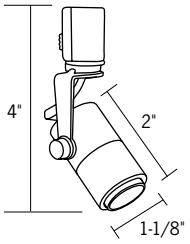
LBC22AC310LV - 10' Cord Support Assembly and Canopy

Indirect Mounting Clips
Four (4) mounting clips per package. 24 Spacing recommended between clips. Refer to installation instructions for details. Finish: U

LBC22-RC - Recessed Clips
LBC22-SC - Surface Clips

5W SYMPHONY LED TRACK LUMINAIRE

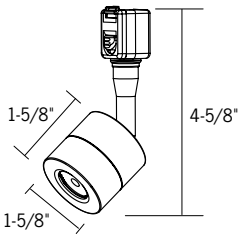
- Small size and unique adjustability make this luminaire perfect for many applications including accent, task and undercabinet lighting
- One (1) 5W LED
- Select from Cool White (6650K) or Warm White (3000K)
- Adjustable lens (17° to 45°) allows simple beam adjustment
- 12V, Dry location listed
- Works only on Symphony low voltage mini-track
- *Photometrics and LM-79 data on page 260*



Luminaire	Color Temp	—	Finish
MCT-3LED	**C** - Cool White **W** - Warm White		**B** - Black **P** - White **S** - Silver

3W SYMPHONY LED TRACK LUMINAIRE

- Small scale LED luminaire ideal for accent illumination
- Sleek cylinder design constructed of a two-piece aluminum housing
- One (1) 3W LED
- Color temperatures available in 2700K, 3000K, and 3500K
- Select from three (3) beam distributions: Spot, Medium, and Flood
- 12V, Dry location listed
- Works only on Symphony low voltage mini-track

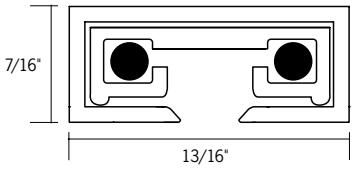


Luminaire	Beam	Color Temp	Dimming	—	Finish
MCT-61	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

12V/24V SINGLE CIRCUIT SYMPHONY LOW VOLTAGE MINI-TRACK SYSTEM

- Solid 10 gauge copper conductors with Noryl® insulators placed in heavy gauge extruded aluminum channels
- 25 Ampere rated track sections are supplied with toggle bolts and wood screws for a simple installation
- 2', 4' and 6' sections are pre-drilled with two mounting holes and the 8' section has three mounting holes; track sections may be cut in the field, but take care to back out the bus bar before cutting
- Every track section is supplied with a MLA-1 End Feed Connector/Cover and a MLA-11 End Cap
- Symphony track can be fed at the MLA-1 End Feed Connector, MLA-8 Conduit End Feed, or MLA-9 Outlet Box/T-Bar Ceiling Canopy with use of a remote transformer
- Connections can be made by using the MLA-2 Straight Connector, MLA-3 Flexible Connector, or MLA-12 Right Angle Connector
- Transformer (sold separately) required for proper operation of Symphony Mini-Track System; Surface Mount transformers are available in various configurations:
  MLA-415, End or Center Feed, 125VA, Canopy Transformer, Junction Box Mount, 120/12V
  MLA-60, End Feed, 60VA, Plug-in Electronic Transformer with 10' Cord and Plug, 120/12V
- Suitable for dry locations only



Symphony Low Voltage Track Length	Finish
MLT-2 - 2' (24") Track Length; 20-5/8" Actual Length	**B** - Black
MLT-4 - 4' (48") Track Length; 44-5/8" Actual Length	**P** - White
MLT-6 - 6' (72") Track Length; 68-5/8" Actual Length	**S** - Silver
MLT-8 - 8' (96") Track Length; 92-5/8" Actual Length	

Replacement End Cap
One (1) is supplied with each track section. Finish: B, P, S

MLA-11

SINGLE CIRCUIT LOW VOLTAGE T-BAR CEILING TRACK MOUNTING ACCESSORIES

ConTech recommends using a minimum of (2) mounting points for 2', 4' and 6' track sections, and (3) mounting points for 8' track sections

15/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long studs, white painted finish. 1-1/2"L x 1"H

LA-1 - Stud Type T-Bar Mounting Clip

9/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long stud, white painted finish. 1-1/4"L x 5/8"H

LA-1C - Stud Type T-Bar Mounting Clip

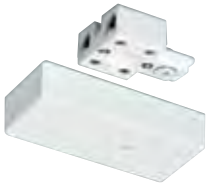
9/16" Grid
Deep Tile T-Bar Mounting Clip
#8-32 x 7/8" Long stud, white painted finish. Must be used with LA-1CB Spacer. 1-1/4"L x 5/8"H

LA-1CB - Stud Type T-Bar Mounting Clip

Deep Ceiling Tile Spacer
Spacer for deep ceiling tiles. Use with LA-1C. Unfinished. 1-5/8"L x 3/4"H

LA-1CB SPACER - Deep Ceiling Tile Spacer

SINGLE CIRCUIT LOW VOLTAGE TRACK CONNECTORS AND ACCESSORIES



End Feed Connector/Cover
Power connection point for track sections.
2-1/8"L x 15/16"W x 1/2"H Finish: B, P, S

MLA-1 - End Feed Connector/Cover

Straight Connector
Joins two (2) sections of track, with cover.
3-3/16"L x 15/16"W x 1/2"H Finish: B, P, S

MLA-2 - Straight Connector

Flexible Connector
Joins two (2) sections of track in horizontal or vertical angles, includes covers. Can be used for two (2) feed points or as a non-conductive connector. 6-1/4"L x 15/16"W x 1/2"H
Finish: B, P, S

MLA-3 - Flexible Connector

90° Flexible Connector
Allows horizontal track run to be electrically connected to a vertical run. 3-5/8"L x 1"W.
Finish: B, P, S

MLA-7 - 90° Flexible Connector

Conduit End Feed
Bottom and end knockout with end cutout in cover. 3-1/8"L x 1-3/8"W x 1-15/16"H
Finish: B, P, S

MLA-8 - Conduit End Feed

"L" Connector
Right angle connector. Non-polarized use.
2-5/8"L x 15/16"W x 1/2"H Overall: 2-5/8" x 2-5/8" Finish: B, P, S

MLA-12 - "L" Connector

T-Bar Ceiling Canopy
Single/dual feed point (180° access). Screw holes: 4-5/8" on center for outlet box.
4-11/16"L x 4-11/16"W x 5/8"H Finish: B, P, S

MLA-9 - T-Bar Ceiling Canopy

Mono-point Canopy
Mounts to octagonal junction box. Use with remote transformers. 1/4" H x 4-7/8" Dia.
Screw holes: 3-1/2" On center Finish: B, P, S

MLA-18 - Mono-point Canopy

Mini Mono-point Canopy
Remote transformer use. For use in ceilings, cabinets, or vertical surfaces; no visible mounting screws. Standard with 48" of 18 gauge AWM wire with push-in wire connectors. Mono-point is held to material by two heavy gauge mounting springs. 1/8" H x 2-1/2" Dia; Hole size: 2". Total Depth: 1-15/16"
Finish: B, P, S

MLA-19 - Mini Mono-point Canopy

All specifications subject to change without notice.

Aircraft Cable Suspension Kits

- Designed for suspension of track lighting systems to create a “floating” appearance
- Available in models with 48" or 180" length for T-bar, ceiling, or junction box mounting
- Two cables recommended for 2', 4', 6', and three cables for 8' pre-drilled track

Cable Support Kits for Junction Box Mounting
Support only, non-feed. Direct mount to junction box. Includes cable coupler (threaded for 1/4-20 stud), cable holder with screw and washer, cable, 1/4-20 hanger bolt, junction box cross bar and 5" ceiling canopy plate. Finish: B, P

MLAC-48JB - 48" Cable
MLAC-180JB - 180" Cable

Cable Supports with Power Feed
For T-Bar Grid and Junction Box Mounting Support and #10-2 power feed. Junction box and T-Bar grid mounting. Includes cable coupler (threaded for 1/4-20 stud), cable holder with screw and washer, cable, power cable, 1/4-20 hanger bolt, junction box cross bar, two (2) zip ties, strain relief grip and 5" ceiling canopy plate. Finish: B, P

MLAC-48PF - 48" Cable
MLAC-180PF - 180" Cable

48" T-Bar Cable Support Kit
For T-Bar Grid Mounting. Support only, non-feed. Includes cable coupler (threaded for 1/4-20 stud), cable holder with screw, 3/64" cable and T-bar mounting clip with 1/4-20 stud.

MLAC-48T - 48" T-Bar Cable Support Kit

48" Ceiling Cable Support Kit
For Ceiling Mounting. Support only, non-feed. Direct mount to ceiling. Includes cable coupler, cable holder, 3/64" cable, toggle bolt assembly, wood screw, and 1-7/8" diameter ceiling cover plate.

MLAC-48 - 48" Ceiling Cable Support Kit

Extension Brackets

- Track extension brackets designed for mounting ConTech track away from the wall
- Available in two lengths: 24" and 36"
- Ideal for trade show booths, display areas, and artwork illumination
- The LA3609 bracket is supplied with an angled additional support arm or will accept an optional LAC-48 Aircraft Cable Suspension Kit
- Brackets are shipped with 3/16" toggle bolts, washers and screws
- Use two brackets for 2', 4' and 6' track sections, three brackets for 8' sections
- Track and track connectors must be ordered separately

24" Wall Track Extension Bracket
Includes toggle bolt, washers and screws. 24"L x 1-3/4"W x 8-1/2"H. Finish: -B, P, S

LA2409 - 24” Wall Track Extension Bracket

36" Wall Track Extension Bracket
Includes toggle bolt, washers and screws. 36"L x 1-3/4"W x 8-1/2"H. Finish: -B, P, S

LA3609 - 36" Wall Track Extension Bracket

SINGLE CIRCUIT LOW VOLTAGE TRANSFORMERS AND DIMMERS

- The Symphony system can utilize both magnetic and electronic transformers; transformers are available for surface or remote mounting to suit installation needs
- Electronic transformers offer the following features:
  - Auto-reset electronic short circuit protection - Auto-reset electronic overload protection - Auto-reset thermal cut-off at 125° C
  - The transformer will not work without a load - 4 year warranty - UL listed
- See page 468 for information regarding voltage drop and low voltage power systems

Surface Mount Transformers

50W Mono-Point Canopy
Electronic transformer, covers a standard octagon junction box. Min. load: 20W.
1-5/16"H X 4-3/4"Dia. Finish: B, P, S

MLA-1816 - 120/12V 50W Circuit
MLA-1816 277V - 277/12V 50W Circuit

125W Feed Canopy
Electronic transformer, covers a standard square junction box, single or dual 180° feed. Min. load: 50W. 4-7/8"L x 4-7/8"W x 2-1/4"H. Finish: B, P, S

MLA-415 - 120/12V 125W

60W Plug-in Electronic Transformer
120/12V 60W Circuit. 10' 2-Wire cord and grounded plug. Min. load: 20W.
3-1/16"L x 1-7/16"W x 1-3/16"H. Finish: B, P, S

MLA-60 - 120/12V 60W

Remote Transformers

60W 120V/12V
Remote Electronic Transformer
UL Listed Class II 6-1/2"L x 1-1/2"W x 1-3/8"H
Finish: B

LVT-60-AC - 120/12V 60W

150W 120/12V
Remote Electronic Transformer
6-1/2"L x 1-1/2"W x 1-3/8"H
Finish: B

LVT-151 - 120/12V 150W

150W 120/24V
Remote Electronic Transformer
6-1/2"L x 1-1/2"W x 1-3/8"H
Finish: B

LVT-151 24V - 120/24V 150W

150W 120/12V
Remote Magnetic Transformer
Magnetic Circuit Breaker.
3-1/2"L x 3-1/2"W x 13"H. Finish: B

LVT-150 - 120/12V 150W

175W DC 120/12V
Remote Electronic Transformer
7-1/2"L x 1-1/2"W x 1-3/8"H
Finish: B

LVT-175-DC - 120/12V 175W

180W 120V/12V AC
Remote Electronic Transformer
(3) 60W Fused Class II Circuits
5-7/64"L x 4-23/32"W x 1-11/16"H. Finish: B

LRT-181 - 120/12V (3) 60W

300W 120/12V
Remote Electronic Transformer
1-1/2"L x 1-5/8"W x 9-3/8"H Must be within 12' of track. Finish: B

LVT-303 - 120/12V 300W

300W 120/24V
Remote Electronic Transformer
1-1/2"L x 1-5/8"W x 9-3/8"H
Finish: B

LVT-303 24V - 120/24V 300W

300W 120/12V
Remote Electronic Transformer
DC Secondary Transformer.
1-3/4"L x 1-3/4"W x 10-1/2"H. Finish: B

LVT-303 DC - 120/12V 300W

300W 120/12V
Remote Magnetic Transformer
Magnetic Circuit Breaker.
4-3/8"L x 4"W x 13-3/8"H. Finish: B

LVT-300 - 120/12V 300W

300W 277/12V
Remote Magnetic Transformer
Magnetic Circuit Breaker.
4-3/8"L x 4"W x 13-3/8"H. Finish: B

LVT-300 277V - 277/12V 300W

300W 120/24V
Remote Magnetic Transformer
Magnetic Circuit Breaker.
4-3/8"L x 4"W x 13-3/8"H. Finish: B

LVT-300-24 - 120/24V 300W

360W 120/12V
Remote Electronic Transformer
(6) 60W Fused Class II Circuits
8-17/64"L x 4-23/32"W x 1-11/16"H. Finish: B

LRT-363 - 120/12V (6) 60W

500W 120/12V
Remote Magnetic Transformer
(2) 250W 120/12V Magnetic Transformers, (2) Magnetic Circuit Breakers, (1) Primary
4-3/8"L x 4-1/2"W x 12-3/8"H. Finish: B

LVT-500-C - 120/12V (2) 250W

600W 120V/12V
Remote Magnetic Transformer
(2) 300W 120/12V Magnetic Transformers, (2) Magnetic Circuit Breakers, (1) Primary
5-1/4"L x 4-3/4"W x 14-1/4"H. Finish: B

LVT-600-C - 120/12V (2) 300W

600W 120V/24V
Remote Magnetic Transformer
Magnetic Circuit Breaker.
5-3/8"L x 4-3/4"W x 9-1/2"H. Finish: B

LVT-600-24 - 120/24V 600W

600W 277V/24V
Remote Magnetic Transformer
Magnetic Circuit Breaker.
5-3/8"L x 4-3/4"W x 9-1/2"H. Finish: B

LVT-600-277V-24 - 277/24V 600W

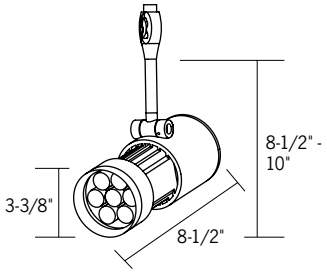
1200W 120V/24V
Remote Magnetic Transformer
(2) 600W 120/24V Magnetic Transformers, (2) Magnetic Circuit Breakers, (1) Primary
6"L x 5-1/2"W x 10-1/2"H. Finish: B

LVT-1200-C-24 - 120/24V (2) 600W

All specifications subject to change without notice.

18W & 27W LED ODYSSEY CYLINDER

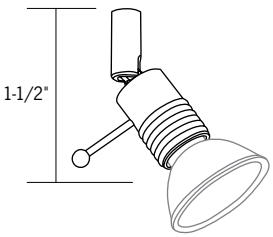
- High performance 18W or 27W dimmable LED track luminaire
- Sleek cylindrical shape with integral driver housing
- Standard dimming driver provides illumination down to 10%
- Lamp consists of (7) LEDs
- LEDs are available in spot, medium or flood beam distributions; and four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Extruded aluminum heat sink with vertically oriented fins for optimal heat dissipation
- Lockable, precision aiming adjustment: 350˚ horizontal, 180˚ vertical rotation
- Will accept one (1) LF18 lens
- 120V, Dry location listed
- *Photometrics and LM-79 data on page 259; Dimming compatibility on page 214*



Luminaire	Wattage	Beam	Color Temp	Dimming	—	Finish
LIR800	**1** - 18W **2** - 27W	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**D** - Dimming		**AB** - Antique Bronze **S** - Silver

ODYSSEY SYROS LED

- Replaceable LED lamp allows a simple and inexpensive way to change beam spreads and color temperature, without having to buy a new luminaire
- White (3000K) LED is available in medium and flood beam distributions
- Frosted White Glass Ring optional accessory
- Works only with Odyssey Line Voltage Flexible Track
- Lamp ordered separately, see page 210



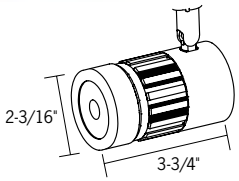
CRS-SP130

Frosted White Glass Ring accessory for Odyssey Syros. Clips included. Diameter: 4"

Luminaire	—	Finish
LIR129TH		**S** - Silver

ODYSSEY ECLIPSE 9W LED TRACK LUMINAIRE

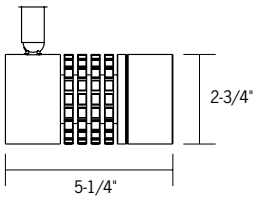
- Exceptional performance in a sleek, cylindrical shape
- Light engine consists of a single, high lumen output, multi-chip LED array
- Delivers 750 lumens while consuming 9W
- Extruded aluminum housing with integrated driver and cast aluminum bezel
- 315°+ Horizontal aiming, 90° vertical aiming
- Medium or flood beam distributions
- Available in 2700K, 3000K, and 3500K color temperatures
- Dimmable
- 120V, Dry location listed
- *Dimming compatibility on page 214*



Luminaire	Beam	Color Temp	Dimming	—	Finish
LIR8070	**M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**S** - Silver

ODYSSEY ECLIPSE 15W LED TRACK LUMINAIRE

- Exceptional performance in a sleek, cylindrical shape
- Light engine consists of a single, high lumen output, multi-chip LED array
- Delivers up to 1100 lumens while consuming 15W
- Extruded aluminum housing with integrated driver and cast aluminum bezel
- 315°+ Horizontal aiming, 90° vertical aiming
- Spot, medium, or flood beam distributions
- Available in 2700K, 3000K, and 3500K color temperatures
- Dimmable
- Dry location listed
- *Photometrics and LM-79 data on page 251; Dimming compatibility on page 214*

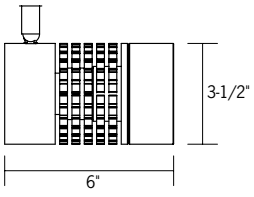


Luminaire	Beam	Color Temp	Dimming	—	Finish
LIR8071	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**S** - Silver

All specifications subject to change without notice.

ODYSSEY ECLIPSE 25W/35W LED TRACK LUMINAIRE

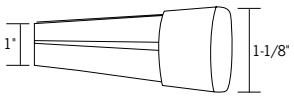
- Exceptional performance in a sleek, cylindrical shape
- Light engine consists of a single, high lumen output, multi-chip LED array
- Available in 25W (2100Lm) and 35W (3200Lm)
- Extruded aluminum housing with integrated driver and cast aluminum bezel
- 315°+ Horizontal aiming, 90° vertical aiming
- Medium or flood beam distributions
- Available in 2700K, 3000K, and 3500K color temperatures
- Dimmable
- Dry location listed
- *Photometrics and LM-79 data on page 251; Dimming compatibility on page 214*



Luminaire	Beam	Color Temp	Dimming	—	Finish
LIR8072 - 25W **LIR8073** - 35W	**M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K	**D** - Dimming		**S** - Silver

All specifications subject to change without notice.

ODYSSEY LINE VOLTAGE FLEXIBLE TRACK SYSTEM



- Constructed from anodized aluminum with insulated conductors and copper ground wire throughout
- All components are rated for 120V at 20A (max); De-rate to 80% maximum load to meet NEC code
- Field curveable to a minimum of a 12.5" radius
- Each track section includes two (2) insulated end caps secured with set screws
- Suitable for dry locations

Line Voltage Flexible Track		Finish	
LIR4242	2' (24") Line Voltage Flexible Track	**AB**	Antique Bronze
LIR4244	4' (48") Line Voltage Flexible Track	**S**	Silver
LIR4246	6' (72") Line Voltage Flexible Track		
LIR4248	8' (96") Line Voltage Flexible Track		
LIR42412	12' (144") Line Voltage Flexible Track		

Curving Machine
Mounts to table or board with built in clamp. Nylon rollers protect track finish. Finish: S

LIR590

Replacement End Cap
Two (2) are supplied with each track section. Finish: AB, S

LIR END CAP

Odyssey Line Voltage Flexible Track Luminaire Adapters

LED Pendant Adapter
Connect 8W LED Pendants to Odyssey Flexible Track Systems. LED Driver included. Triac Dimming.
Finish: AB, S

CRS8-ODYQRD1 - LED Pendant Adapter

Universal Luminaire Adapter
Allows use of ConTech "CTL" series track luminaires. Not required for standard Odyssey luminaires. 4"L; 3" drop from center of track. 10lb. max. Finish: AB, S

LIR59875 - Universal Luminaire Adapter

Universal Pendant Adapter
Allows use of any coaxial cable pendant on Odyssey Flexible Tack (5lb. max). 5-1/4"H. Not UL Listed. Finish: AB, S

LIR755 - Pendant Adapter

Quick Release Odyssey Adapter
Connects Quick Release Series luminaires and pendants to Odyssey Flexible Track. 60W Electronic Transformer Included, 120/12V.
Finish: AB, S

LIR-ODYQR - QR Odyssey Adapter

*Finish Codes: **-AB** (Antique Bronze), **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

Odyssey Line Voltage Flexible Track Power and Power Accessories

Fixed Power Stem with Canopy
4" from ceiling to center of track. Rating: 120V, 20A. Canopy Height: 1-5/16"; Diameter: 4-3/8". Finish: AB, S

LIR777 - 4" Fixed Power Stem

Adjustable Power Stem with Canopy
Floating Feed Rating: 120V, 20A. Includes allen wrench. Canopy Height: 1-5/16"; Diameter: 4-3/8". Finish: AB, S

Dimensions from ceiling to center of track
LIR745 - Range: 7-1/2" - 11-1/2"
LIR7452 - Range: 14" - 24"
LIR7454 - Range: 26" - 48"
LIR7458 - Range: 50" - 96"

Round Canopy with Power Supply Cord
Side cord, low profile canopy. 19" 12AWG wire. Rating: 120V, 20A. Height: 1"; Diameter: 4-5/8". 120V Power feed only; not to be used as track support. Finish: AB, S

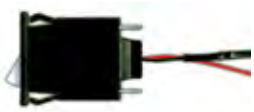
LIR4278 - Round Canopy with 19" Side Power Supply Cord

Round Canopy with Power Supply Cord
Center down cord, standard canopy. 12AWG wire available in two (2) lengths; length is field adjustable. 120V Power feed only; not to be used as track support. Rating: 120V, 20A. Height: 1-5/16"; Diameter: 4-3/8". Finish: AB, S

LIR42788 - 8' Cord
LIR4278-6M - 19' 8" Cord

Current Limiting Device
Center down cord and square canopy. Available in two (2) lengths; length is field adjustable. 120V Power feed only; not to be used as track support. Must be used with REG Circuit Breaker (sold separately). Finish: S

LIRCLD - 8' Cord
LIRCLD6 - 19' 8" Cord

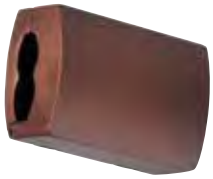


Illuminated Circuit Breaker

This design enables the end user to be charged only the maximum wattage of the breaker, not the standard 45W per linear foot of track as stated in the Title 24 Code. One breaker required per regulator unit. Finish: B, P, S

REG0.50A - 60W, 0.5A
REG1 - 120W, 1A
REG2 - 210W, 1.75A
REG21 - 240W, 2A
REG3 - 300W, 2.5A
REG4 - 360W, 3A
REG5 - 480W, 4A
REG6 - 600W, 5A
REG7 - 720W, 6A
REG8 - 840W, 7A
REG9 - 900W, 7.5A
REG91 - 960W, 8A
REG10 - 1200W, 10A
REG12 - 1440W, 12A
REG14 - 1680W, 14A

Odyssey Line Voltage Flexible Track Connection Accessories



Flexible Track Straight Connector
Nickel plated allen screws, allen wrench included. Rating: 120V, 20A. 2-7/16" L. Finish: AB, S

LIR426 - Conductive
LIR601 - Non-Conductive

Flexible Track Connector
Nickel plated allen screws, allen wrench included. Can bend through angles of 135°. Rating: 120V, 20A. 9-1/4" L Finish: AB, S

LIR742 - Flexible Connector

*Finish Codes: **-AB** (Antique Bronze), **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

ODYSSEY LINE VOLTAGE FLEXIBLE TRACK SYSTEM

Odyssey Line Voltage Flexible Track Mounting Accessories

ConTech recommends using a minimum of (2) mounting points for 2', 4' and 6' track sections, (3) mounting points for 8' sections and (4) mounting points for 12' sections of flexible track; maximum space between supports should be 2-1/2'.

All connectors' ceiling flange is 15/16" in diameter and mounts in solid or grid ceilings. Includes concrete anchor, 8-32 brass nut (for T-bar grid mounting hardware), and wood screw. Use 8-32 wall anchors, not supplied, for wallboard mounting

Fixed Ceiling Supports
Available in three (3) lengths. Finish: AB, S

LIR4255 - 3-5/16" L
LIR4251 - 4" L
LIR4252 - 7-7/8" L

Adjustable Ceiling Support
Not for use on sloped ceilings. Includes allen wrench (for locking length of stand. Finish: AB, S

LIR589 - Range: 7-1/2" - 11-1/2"

Sloped Ceiling Supports
For use on unsloped or sloped ceilings up to 60°. Available in four (4) lengths. Finish: AB, S

LIR779 - Range: 8-5/16" - 11-1/2"
LIR7792 - Range: 14-1/2" - 24"
LIR7794 - Range: 26-1/2" - 48"
LIR7798 - Range: 50-1/2" - 96"

Cable Ceiling Support
Cable is field adjustable. Finish: AB, S

LIR879 - 8' L
LIR879-6M - 19' 8" L

Adjustable Wall Support
Flange is 15/16" dia. Includes allen wrench, concrete anchor, 8-32 brass nut (for T-bar grid mounting hardware), and wood screw. LIR7782 has an adjustable cable support to hold longer mounting positions. Finish: AB, S

LIR778 - Range: 5-3/4" - 9"
LIR7782 - Range: 14" - 24"

Wall End Feed
Includes junction box cover. 4-3/8"Dia. x 2-1/2"H. Finish: S

LIR1041 - Wall End Feed

15/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long studs, white painted finish. 1-1/2"L x 1"H

LA-1 - Stud Type T-Bar Mounting Clip

9/16" Grid
Stud Type T-Bar Mounting Clip
#8-32 x 5/8" Long stud, white painted finish. 1-1/4"L x 5/8"H

LA-1C - Stud Type T-Bar Mounting Clip

9/16" Grid
Deep Tile T-Bar Mounting Clip
#8-32 x 7/8" Long stud, white painted finish. Must be used with LA-1CB Spacer. 1-1/4"L x 5/8"H

LA-1CB - Stud Type T-Bar Mounting Clip

Deep Ceiling Tile Spacer
Spacer for deep ceiling tiles. Use with LA-1C. Unfinished. 1-5/8"L x 3/4"H

LA-1CB SPACER - Deep Ceiling Tile Spacer

*Finish Codes: **-AB** (Antique Bronze), **-B** (Black), **-P** (White), **-S** (Silver), **-U** (Unfinished)*

All specifications subject to change without notice.

QUICK RELEASE LED PENDANT 70
SYMPHONY MIN-TRACK LED PENDANT 71
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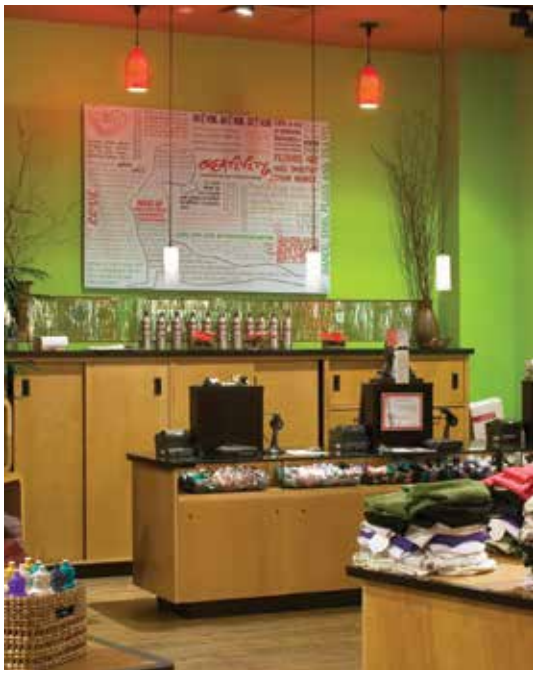
SCPL LED PENDANT 78
CPL LED PENDANT 80
LED DECORATIVE PENDANTS 82

PENDANT LIGHTING



QUICK RELEASE LED PENDANT

Decorative Gravity Fit shades sold separately

- Omni-directional light output provides even illumination of the shade, as well as a strong downward punch of light; providing functional task illumination.
- 8W Warm White (3000K) LEDs, with over **750 delivered lumens**
- Available in 2ft, 4ft, 6ft and 8ft cord lengths
- Field adjustable for shorter lengths
- Can be used as a mono-point ceiling canopy or on a line voltage track system (Mounting options sold separately, see below)
- Dimming allows smooth illumination down to 10%.
- A frosted diffusion lens is included for use as needed
- Dry location listed
- **Decorative Gravity Fit shades sold separately, see page 74-77**
- *Photometrics and LM-79 data on page 247*

Luminaire	Color Temp	Finish
CRS824 - 2' Pendant	**30K** - 3000K	**AB** - Antique Bronze
CRS848 - 4' Pendant	**30KC** - 3000K, High CRI	**B** - Black
CRS872 - 6' Pendant		**P** - White
CRS896 - 8' Pendant		**S** - Silver

QUICK RELEASE LED PENDANT MOUNTING OPTIONS

Dimming compatibility on page 117

Ceiling Canopy
1-5/16" H, 4-3/8" Dia.

CRS8-QRCD1-(AB,B,P,S) - Triac Dimming Driver Included, 120V
CRS8-QRCD2-(AB,B,P,S) - 0-10V Dimming Driver Included, 120-277V

Decorative Ceiling Canopy
Mounts to NEC approved 4" round or octagon junction box with minimum depth of 1-1/2". 2-1/2" H, 4-3/8" Dia.

CRS8-DQRCD1-(AB,B,P,S) - Triac Dimming Driver Included, 120V
CRS8-DQRCD2-(AB,B,P,S) - 0-10V Dimming Driver Included, 120-277V

Thin Ceiling Canopy
Mounts to NEC approved 4" round or octagon junction box with minimum depth of 1-1/2". 1/4" H, 4-3/8" Dia.

CRS8-TQRCD1-(AB,B,P,S) - Triac Dimming Driver Included, 120V
CRS8-TQRCD2-(AB,B,P,S) - 0-10V Dimming Driver Included, 120-277V

Three Pendant Canopy
Includes three (3) LED drivers. 2" H, 12" Dia.

CRS8-3QRCD1-(AB,B,P,S) - Triac Dimming Driver Included
CRS8-3QRCD2-(AB,B,P,S) - 0-10V Dimming Driver Included, 120-277V

Line Voltage Track Adapter
Connect pendant to standard line voltage track. Black, white and silver finish only.

CRS8-LVTQRD1-(B,P,S) - Triac Dimming Driver Included, 120V; 7" L x 2" H.

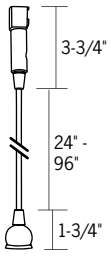
Odyssey Line Voltage Flexible Track Adapter
Connect pendant to Odyssey line voltage flexible track. Antique bronze and silver finish only.

CRS8-ODYQRD1-(AB,S) - Triac Dimming Driver Included, 120V; 6" L x 3-1/2" H

All specifications subject to change without notice.

SYMPHONY LED PENDANT

- A simple way to add a decorative and sustainable luminaire to any environment
- Long wiring compartment allows for height adjustment, and contains internal thermal block and cord grip connector
- Available in 2ft., 4ft. and 8ft. lengths
- 9W LED in Cool White (6000K) or Warm White (3000K) LEDs with **90 delivered lumens**
- 12V, Dry location listed
- **Decorative Gravity Fit shades sold separately, see page 74-77**
- Works only on Symphony low voltage mini-track
- *Transformer and Driver Selection on page 214*

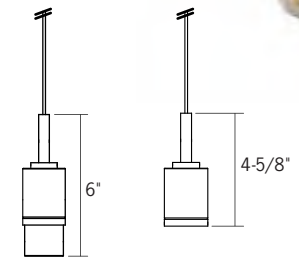


Luminaire	Cable Length	Color Temp	—	Finish
MRL-3LED	**2** - 2' **4** - 4' **8** - 8'	**C** - 6000K **W** - 3000K		**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

MODERN PENDANT

- Decorative contemporary pendant to accent any space with a single pendant or multiple pendants to create a dramatic look
- The pendant includes a choice of fabric covered cords and luminaire finishes
- Standard 16 foot cord provides flexibility in design and installation
- Medium E26 screw base and GU24 base sockets are available
- Track mount adapter and multi-point canopies are available
- Designed to accommodate ConTech gravity fit shades
- **Decorative Gravity Fit shades sold separately, see page 74-77**
- (1) Lamp with E26 Base, 60W Max. or GU24 Base, 26W Max.
- Lamp not included unless specified in part number or ordered separately
- Indoor use only



GU24 Base *E26 Base*

Luminaire	Lamp Base	Cord Color	Cord Length*	Lamp**		— Finish
RLM80	**6** - E26 Base **4** - GU24 Base	**B** - Black **G** - Gray **N** - Brown **R** - Red	**16** - 16 Feet	**Leave Blank** - No Lamp **MLE122** - ST19 Edison Style LED Filament E26 base, 3W, 210 Lumen, 2200K **MLE222** - G40 LED Filament E26 base,3W, 210lm, 2200K **MLE322** - G25 LED Filament E26 base, 3W, 210lm, 2200K **MLE427** - A19 LED Filament E26 base, 5.5W, 450lm, 2700K **MLE527** - Candelabra LED Filament E26 base, 3.2W, 250lm, 2700K **MLG122** - ST19 Edison style LED Filament GU24 base, 3W, 210 Lumen, 2200K **MLG222** - G40 LED Filament GU24 base, 3W, 210lm, 2200K **MLG322** - G25 LED Filament GU24 base, 3W, 210lm, 2200K **MLG427** - A19 LED Filament GU24 base, 5.5W, 450lm, 2700K	**AB** - Antique Bronze **NK** - Brushed Nickel

**Additional lengths available upon request, consult factory*
***Additional lamps available, please order separately*

MODERN PENDANT MOUNTING OPTIONS

Mono-Point
Included with pendant. Shown in brushed nickel. 1-1/4" H, 4-3/4" Dia.

Three Port Round Canopy
Ordered separately from pendant. Shown in brushed nickel. 1-1/4" H, 4-3/4" Dia.
RLM80C3-(AB,NK)

Seven Port Canopy
Ordered separately from pendant. Shown in brushed nickel. 2-3/8" H, 6-3/8" Dia.
RLM80C7-(AB, NK)

Eleven Port Canopy
Ordered separately from pendant. Shown in brushed nickel. 2-3/8" H, 6-3/8" Dia.
RLM80C11-(AB,NK)

Line Voltage Track Adapter
Connect pendant to standard line voltage track. Ordered separately from pendant. Black, white and silver finish. 1-1/2" W x 2-1/2" H.
RMLA-17A-(B,P,S)

Swag Hook
Ordered separately from pendant. Shown in brushed nickel.
RLM80SH-(AB,NK)

All specifications subject to change without notice.

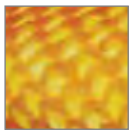
DECORATIVE GRAVITY FIT PENDANT SHADES

Hand Crafted Gravity Fit Glass Shades

- Multiple layers of clear and colored glass are combined to create color effects not found in typical factory glass
- Special glass blowing techniques create air bubbles and unique variations in the color and thickness of the glass, giving each shade a distinct, artisan appearance
- Each shade is available in four (4) standard finishes:

Optic Swirl

Tortoise Shell


Pineapple Twist

Blue Optic Swirl

Cone Series

6-3/8" High x 5-5/8" Diameter

RCG124 - Optic Swirl
RCG564 - Tortoise Shell
RCG674 - Pineapple Twist
RCG784 - Blue Optic Swirl

Cylinder Series

8" High x 3-1/4" Diameter

RCG125 - Optic Swirl
RCG565 - Tortoise Shell
RCG675 - Pineapple Twist
RCG785 - Blue Optic Swirl

Flared and Trimmed Series

6" High x 6-5/8" Diameter

RCG122 - Optic Swirl
RCG562 - Tortoise Shell
RCG672 - Pineapple Twist
RCG782 - Blue Optic Swirl

Globe Series

5" High x 5-1/2" Diameter

RCG129 - Optic Swirl
RCG569 - Tortoise Shell
RCG679 - Pineapple Twist
RCG789 - Blue Optic Swirl

Oval Series

8" High x 6-1/2" Diameter

RCG126 - Optic Swirl
RCG566 - Tortoise Shell
RCG676 - Pineapple Twist
RCG786 - Blue Optic Swirl

Scalloped Series

6" High x 5-5/8" Diameter

RCG128 - Optic Swirl
RCG568 - Tortoise Shell
RCG678 - Pineapple Twist
RCG788 - Blue Optic Swirl

Fabric Shades

- Available in three (3) Square, Drum and Cylinder shapes with six (6) standard fabrics
- Optional top dust cover and acrylic bottom diffuser (may only be used with CRS8 pendant; consult factory for use on Symphony LED pendant)
- Custom shade sizes and fabrics are available, consult factory for information

Linen

Sand

Slate

Chocolate

Maroon

Embroidered

Cylinder Fabric Shades

Shade	Fabric
OFFCYA - 5" Dia. x 9" H	**1** - Linen
OFFCYB - 6" Dia. x 12" H	**2** - Sand
OFFCYC - 6" Dia. x 14" H	**3** - Slate
	4 - Chocolate
	5 - Maroon
	6 - Embroidered

Dust Cover (Top of Shade)

OFFDCRD5 - 5" Dia. (OFFCYA)
OFFDCRD6 - 6" Dia. (OFFCYB & OFFCYC)

Acrylic Diffuser (Bottom of Shade)

OFFDIFRD5 - 5" Dia. (OFFCYA)
OFFDIFRD6 - 6" Dia. (OFFCYB & OFFCYC)

Drum Fabric Shades

Shade	Fabric
OFFDRA - 6" Dia. x 5" H	**1** - Linen
OFFDRB - 8" Dia. x 7" H	**2** - Sand
OFFDRC - 10" Dia. x 8" H	**3** - Slate
	4 - Chocolate
	5 - Maroon
	6 - Embroidered

Dust Cover (Top of Shade)

OFFDCRD8 - 8" Dia. (OFFDRB)
OFFDCRD10 - 10" Dia. (OFFDRC)

Acrylic Diffuser (Bottom of Shade)

OFFDIFRD8 - 8" Dia. (OFFDRB)
OFFDIFRD10 - 10" Dia. (OFFDRC)

Square Fabric Shades

Shade	Fabric
OFFSQA - 6" Sq. x 7" H	**1** - Linen
OFFSQB - 8" Sq. x 9" H	**2** - Sand
OFFSQC - 10" Sq. x 11" H	**3** - Slate
	4 - Chocolate
	5 - Maroon
	6 - Embroidered

Dust Cover (Top of Shade)

OFFDCSQ6 - 6" Sq. (OFFSQA)
OFFDCSQ8 - 8" Sq. (OFFSQB)
OFFDCSQ10 - 10" Sq. (OFFSQC)

Acrylic Diffuser (Bottom of Shade)

OFFDIFSQ6 - 6" Sq. (OFFSQA)
OFFDIFSQ8 - 8" Sq. (OFFSQB)
OFFDIFSQ10 - 10" Sq. (OFFSQC)

All specifications subject to change without notice.

Designer Series

- Available in three (3) shapes with seven (7) standard finishes

Champagne

Frosted

Gray

Champagne Crackle

Champagne Seeded

Gray Crackle

Gray Seeded

Large Globe

- Gravity fit shade made of case glass
- 9" Diameter

CTG312 - Smoke Gray Crackle
CTG311 - Champagne Crackle
CTG322 - Smoke Gray Seeded
CTG321 - Champagne Seeded
CTG332 - Smoke Gray
CTG334 - Frosted White
CTG331 - Champagne

Small Globe

- Gravity fit shade made of case glass
- 5-1/2" Diameter

CTG212 - Smoke Gray Crackle
CTG211 - Champagne Crackle
CTG222 - Smoke Gray Seeded
CTG221 - Champagne Seeded
CTG232 - Smoke Gray
CTG234 - Frosted White
CTG231 - Champagne

Jar

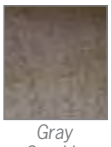
- Gravity fit shade made of case glass
- 5-3/4" Diameter x 6" High

CTG112 - Smoke Gray Crackle
CTG111 - Champagne Crackle
CTG122 - Smoke Gray Seeded
CTG121 - Champagne Seeded
CTG132 - Smoke Gray
CTG134 - Frosted White
CTG131 - Champagne

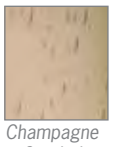
Double Cylinder

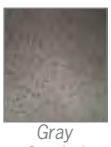
- Gravity fit shade made of case glass
- Frosted inner glass: 7-1/8" H x 4-1/2" Dia
- Electroplated outer glass: 8-1/2" H x 5-1/2" Dia
- Six (6) standard finishes available

Champagne Crackle


Gray Crackle

Clear Crackle


Champagne Seeded


Gray Seeded

Clear Seeded

Series	– Inner Shade	– Outer Shade	
CTG	**434** - Frosted White	**516** - Gray Crackle	**527** - Champ. Seeded
		517 - Champ. Crackle	**515** - Clear Crackle
		526 - Gray Seeded	**525** - Clear Seeded

Elements Metallic Glass Cylinder

- Gravity fit shade
- 10-5/8" High x 4-3/4" Diameter
- Available in Copper, Gold, and Silver
- For CRS8 LED Pendant, use CTG61x-OFG101 shade combination (below)

Copper

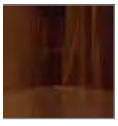
Gold

Silver/Chrome

Shade	Color	
CTG61	**C** - Copper	**S** - Silver/ Chrome
	G - Gold	

Elements Metallic Glass Cylinder

- Gravity fit shade with white frost diffuser
- Assembled: 11-7/8" High x 4-3/4" Diameter
- Available in Copper, Gold, and Silver


Copper

Gold

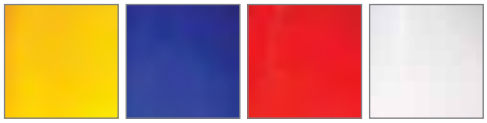
Silver/Chrome

Shade	Color	– Inner Diffuser
CTG61	**C** - Copper	**OFG101** - White Frosted
	G - Gold	
	S - Silver/ Chrome	

DECORATIVE GRAVITY FIT PENDANT SHADES

Ellipse

- Gravity fit shade made of case glass
- 11-1/2" High x 4-1/2" Diameter
- Available in Amber, Blue, Red, and White



Shade	Color		
MLA106	**AP** - Amber	**R** - Red	
	B - Blue	**W** - White	

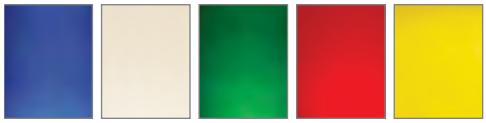
Oval Frit

- Gravity fit shade made of case glass
- 6" High x 4" Diameter
- Available in Amber, Blue, Red, and White

Shade	Color		
MLA107	**AP** - Amber	**R** - Red	
	B - Blue	**W** - White	

Tall Tulip

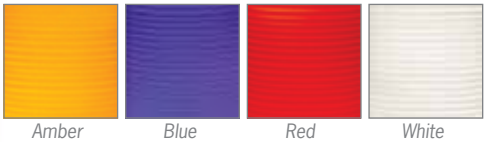
- Gravity fit shade made of satin (matte finish) glass
- 6-3/4" High x 4-1/8" Diameter
- Available in Blue, Frost, Green, Red, and Yellow



Shade	Color		
MLA109	**B** - Blue	**G** - Green	**Y** - Yellow
	F - Frost	**R** - Red	

Ribbed Cylinder

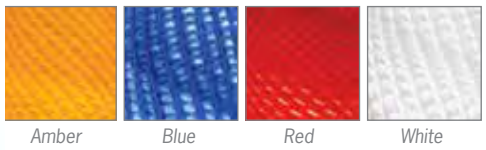
- Gravity fit shade made of case glass
- 8" High x 4-1/4" Diameter
- Available in Amber, Blue, Red, and White



Shade	Color		
MLA110	**AP** - Amber	**R** - Red	
	B - Blue	**W** - White	

Deco Scale Ellipse

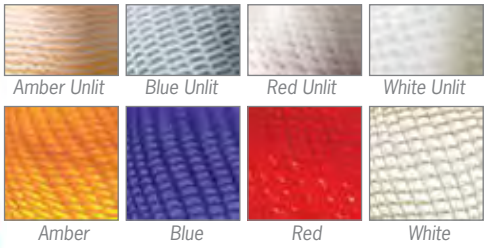
- Gravity fit shade made of case glass
- 11-1/2" High x 4-1/2" Diameter
- Available in Amber, Blue, Red, and White



Shade	Color		
MLA111	**AP** - Amber	**R** - Red	
	B - Blue	**W** - White	

Deco Scale Oval

- Gravity fit shade made of case glass
- Glass takes on a different appearance when lit
- 6" High x 4" Diameter
- Available in Amber, Blue, Red, and White



Shade	Color		
MLA112	**AP** - Amber	**R** - Red	
	B - Blue	**W** - White	

Drip

- Gravity fit shade made of frit glass
- Includes chrome plated ring mount
- 10-1/4" High x 4" Diameter
- Available in Blue, Red, and White

Shade	Color		
MLA114K	**B** - Blue	**W** - White	
	R - Red		

Etch

- Gravity fit shade made of case glass
- Includes chrome plated ring mount
- 10" High x 4" Diameter
- Available in Amber, Blue, Black, and Red

Shade	Color		
MLA115K	**AP** - Amber	**R** - Red	
	B - Blue	**W** - White	

All specifications subject to change without notice.

Flat Metal Cone

- Gravity fit metal shade
- 2-1/2" High x 9" Diameter
- Available in Black and Silver with white interior

Black *Silver*

Shade	–	Color
MLA142		**B** - Black **S** - Silver

Cylinder

- Gravity fit shade made of case glass
- 8-3/4" High x 3-1/2" Diameter
- Includes chrome plated ring mount
- Available in White Frost, Blueberry, Mango Sunset, Amber, and Red

Blueberry *Mango Sunset* *Amber* *Red* *White Frost*

Shade

OFG101 - White Frost
OFG102 - Blueberry
OFG103 - Mango Sunset
OFG107 - Amber
OFG108 - Red

Bell

- Gravity fit shade made of satin glass
- 7-1/4" High x 5-7/8" Diameter
- Available in White Frost, Blueberry, Mango Sunset, Amber, and Red

Blueberry *Mango Sunset* *Amber* *Red* *White Frost*

Shade

OFG201 - White Frost
OFG202 - Blueberry
OFG203 - Mango Sunset
OFG207 - Amber
OFG208 - Red

Bullet

- Gravity fit shade made of case glass
- 10-1/8" High x 4-3/4" Diameter
- Available in White Frost, Blueberry, Mango Sunset, Amber, and Red

Blueberry *Mango Sunset* *Amber* *Red* *White Frost*

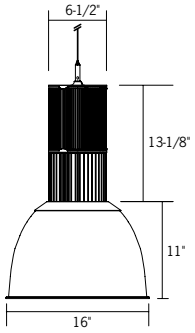
Shade

OFG301 - White Frost
OFG302 - Blueberry
OFG303 - Mango Sunset
OFG307 - Amber
OFG308 - Red

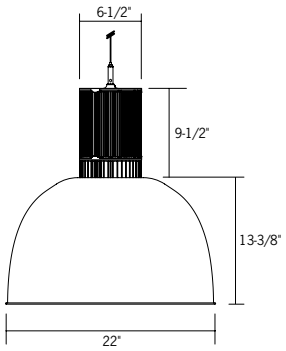
All specifications subject to change without notice.

HIGH LUMEN 16" & 22" LED PERFORMANCE PENDANTS

- High performance LED Pendant available in three (3) wattage/lumen packages: 120W/12,000lm, 150W/15,000lm, and 180W/18,000lm
- A collection of shade options provide varied distributions and design looks. Acrylic lenses come in 16" and 22" with several beam spreads. Specular metal reflector in 22" assist in directing all light downward formaximum output with smooth light distribution.
- Installation options include cable or stem mono-point ceiling canopies.
  - For cable installation, a 120" field adjustable flexible cable is included with the pendant.
  - For stem mounting, various rigid stem lengths are sold separately. Rigid stems range from 6" - 48" long; maximum allowable stem length is 10 feet with use of coupling option
- Light engine consists of a high output LED array
- Excellent consistency within a 3-step MacAdam Ellipse tolerance.
- Available in the following color temperatures: 2700K, 3000K, 3500K and 4000K; CRI: 83 typical, 90+ available
- All SCPL luminaires are available for non-dimming and dimming applications.
- Triac, ELV, and 0-10V Dimming down to 10%
- Remote Mount Emergency battery backup option available.
- Tested in compliance with the Canadian Standards Association (CSA) as set forth in C22.2 No. 141, “Unit Equipment for Emergency Lighting.”
- Suitable for damp locations



16" Acrylic Shade



22" Aluminum Shade

All specifications subject to change without notice.

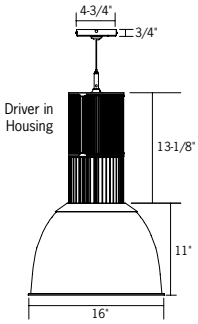
Base Luminaire Module + Desired Shade + Options = Complete Luminaire

1 *Select base luminaire module:*

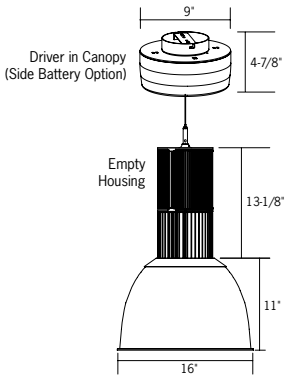
LED Module	Color Temp	Electrical/Dimming	Canopy/Driver Location	Battery Back-Up	Mounting	— Finish
SCPL1 - 120W/ 12,000lm **SCPL2** - 150W/ 15,000lm **SCPL3** - 180W/ 18,000lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**12D1** - 120V Triac Dimming **MVD2** - 120/277V, 0-10V Dimming	**C** - Thick Canopy with Driver and Empty Housing **H** - Thin Canopy with Driver In Housing **CNH** - Thick Canopy with Driver and No Housing	- No Battery Back-Up, Leave Blank **E** - Canopy Side Mount Battery Pack	**FC** - Flexible Cable **RS** - Rigid Stem 6" Stem Included, Additional Lengths Sold Separately, See Below	**B** - Black Housing, Black Cord **P** - White Housing, White Cord **S** - Silver Housing, Black Cord

Example Schematics:

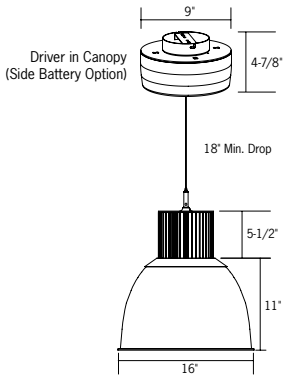
"H" Driver Location



"C" Driver Location



"CNH" Driver Location



2 *Select shade:*

Performance Shades	— Hardware Finish
ACL16 - 16" Lexalite™ Clear Acrylic **ALS16*** - 16" Aluminum **ACS22** - 22" Lexalite™ Clear Acrylic **CRW22** - 22" Clear Alzak, Wide Distribution	**B** - Black **P** - White **S** - Silver

**No finish suffix required*

3 *Select options:*

Deco Kit	— Finish
DECO16 - Optional 16" Decorative Legs and Bottom Glass Lens for 16" Shades **DECO22** - Optional 22" Decorative Legs and Bottom Glass Lens for 22" Shades	**B** - Black **P** - White **S** - Silver

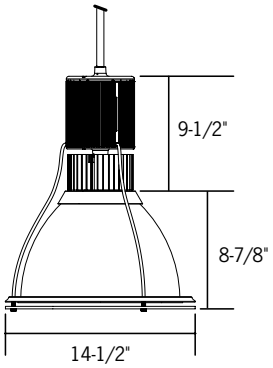
Rigid Stems	— Finish
Rigid Stem Lengths for "RS" Mount Only ***10 Ft. Maximum Allowable Stem Length*** **ST6** - 6" Rigid Stem **ST12** - 12" Rigid Stem **ST18** - 18" Rigid Stem **ST24** - 24" Rigid Stem **ST30** - 30" Rigid Stem **ST36** - 36" Rigid Stem **ST42** - 42" Rigid Stem **ST48** - 48" Rigid Stem **COUPLING** - External Couple for Connecting Stems	**B** - Black **P** - White **S** - Silver

Bottom Lenses

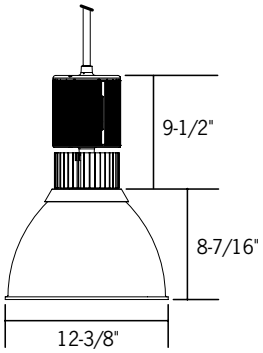
For use with ACL Shade Models Only
PACDLA16 - Optional 16" Conical Acrylic Prismatic Drop Lens and Clamp
PASFLA16 - Optional 16" Smooth Acrylic Flat Lens and Clamp
PACDLA22 - Optional 22" Conical Acrylic Prismatic Drop Lens and Clamp
PASFLA22 - Optional 22" Smooth Acrylic Flat Lens and Clamp

12" & 16" LED PENDANTS

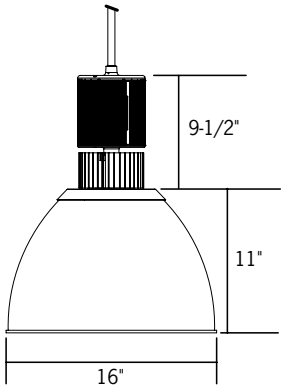
- High performance LED Pendant
- The decorative design simplifies installation with a thin ceiling canopy and a compact driver housing/heat sink
- A collection of shade options provide varied distributions and design looks. Acrylic lenses come in 12" and 16" with several beam spreads. Decorative colored glass shades in 12" with optional decorative legs offer a design look ideal for many retail and commercial applications. Specular metal reflectors in 12" and 16" assist in directing all light downward for maximum output with smooth light distribution. Metal cylinder and double glass cylinder shades offer additional designer configurations for numerous applications.
- Installation options include cable or stem mono-point ceiling canopies; For cable installation, a 120" field adjustable flexible cable is included with the pendant. Alternately, for stem mounting, various rigid stem lengths are sold separately. Rigid stems range from 6" - 48" long; maximum allowable stem length is 10 feet with use of coupling option
- Light engine consists of a high output LED array available in six (6) wattage/lumen packages: 23W/2550lm, 36W/3650lm, 50W/4571lm, 57W/6580lm, 65W/7270lm, and 90W/9230lm
- Excellent color consistency within a 3-step MacAdam Ellipse tolerance
- Available in the following color temperatures: 2700K, 3000K, 3500K and 4000K; CRI: 80 min., 83 typical
- System designed and rated for 50,000 hours at 70% lumen maintenance.
- All CPL luminaires are available for non-dimming and dimming applications. 0-10V Dimming, dimming range down to 15%. Standard option for all wattages. Dimmer control may be operated from an input signal of 0-10VDC.
- Energy Star listed in all wattages, all color temperatures, and all driver options. Tested in compliance with the Canadian Standards Association (CSA) as set forth in C22.2 No. 141, "Unit Equipment for Emergency Lighting."
- *Photometrics and LM-79 data on page 247-248*



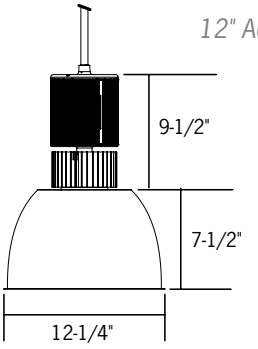
Decorative Option with Glass Shade



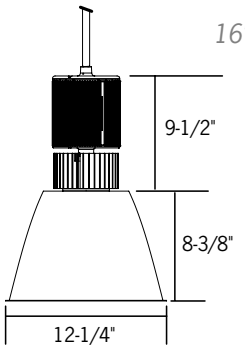
12" Acrylic Shade



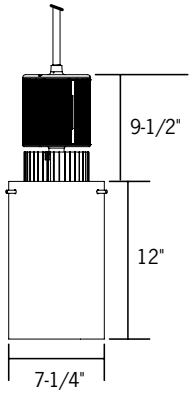
16" Acrylic Shade



12" Clear Reflector, Wide Distribution



12" Clear Reflector, Medium Distribution



7" Cylinder

All specifications subject to change without notice.

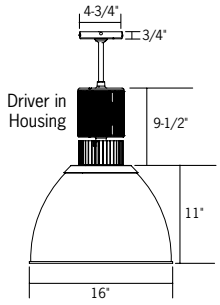
Base Luminaire Module + Desired Shade + Options = Complete Luminaire

1 *Select base luminaire module:*

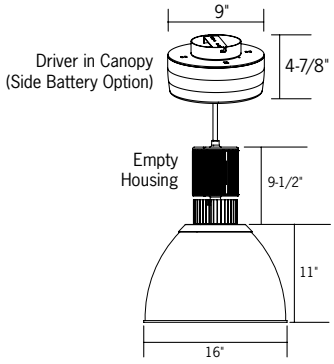
LED Module	Color Temp	Electrical/Dimming	Mounting	Finish
CPL2 - 23W/2550lm **CPL3 -** 36W/3650lm **CPL4 -** 50W/4571lm **CPL5 -** 57W/6580lm **CPL6 -** 65W/7270lm **CPL7 -** 90W/9230lm* **CPL7 Available in RDE, RDB, CDE or CDB versions only*	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**MVD** - Series 2,3,4 Driver Standard Housing, 120/277V, Triac, ELV, 0-10V **MVD2** - Series 5,6 Driver Standard Housing, 120/277V, 0-10V **RDE** - Remote Mount Driver Series 2,3,4 includes MVD Driver Series 5,6,7 includes MVD2 Driver **RDB** - Remote Mount Driver with Battery Backup Series 2,3,4 includes MVD Driver Series 5,6,7 includes MVD2 Driver **CDE** - Canopy Mount Driver Series 2,3,4 includes MVD Driver Series 5,6,7 includes MVD2 Driver **CDB** - Canopy Mount Driver with Battery Backup Series 2,3,4 includes MVD Driver Series 5,6,7 includes MVD2 Driver	**FC** - Flexible Cable **RS** - Rigid Stem 6" Stem Included, Additional Lengths Sold Separately, See Below	**B** - Black Housing, Black Cord **P** - White Housing, White Cord **S** - Silver Housing, Black Cord

Example Schematics:

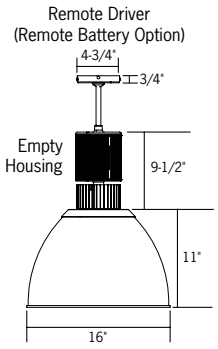
CPL2 Through CPL6 (MVD or MVD2)



CPL2 Through CPL7 (CDE or CDB)



CPL2 Through CPL7 (RDE or RDB)



2 *Select shade:*

Decorative Shades	Hardware Finish	Performance Shades	Hardware Finish	Cylinder Shades	Hardware Finish
ALS12 - 12" Aluminum **AMG12** - 12" Amber Glass **BLG12** - 12" Blue Glass **RDG12** - 12" Red Glass **WHG12** - 12" White Glass	**B** - Black **P** - White **S** - Silver	**CRN12*** - 12" Clear Reflector; Narrow Distribution **CRM12*** - 12" Clear Reflector; Medium Distribution **CRW12*** - 12" Clear Reflector; Wide Distribution **ACL12** - 12" Lexalite™ Clear Acrylic **ACL16** - 16" Lexalite™ Clear Acrylic **ALS16*** - 16" Aluminum **No finish suffix required*	**B** - Black **P** - White **S** - Silver	**CY7M** - 7" Metal **CY7G** - 7" Frosted Glass **CYDG** - Double Glass Set (5-1/2" Frost/ 7" Clear) **9900525** - Light Pipe with Holder for Medium Beam Distribution; For use with CY7M Shades on CPL2 through CPL5 Modules Only	**B** - Black **P** - White **S** - Silver

3 *Select options:*

Deco Kit	Finish
DECO - Decorative Legs and Bottom Glass Lens; For 12" Decorative Shades Only	**B** - Black **P** - White **S** - Silver

Rigid Stems	Finish
Rigid Stem Lengths for "RS" Mount Only ***10 Ft. Maximum Allowable Stem Length*** **ST6** - 6" Rigid Stem **ST12** - 12" Rigid Stem **ST18** - 18" Rigid Stem **ST24** - 24" Rigid Stem **ST30** - 30" Rigid Stem **ST36** - 36" Rigid Stem **ST42** - 42" Rigid Stem **ST48** - 48" Rigid Stem **COUPLING** - External Couple for Connecting Stems	**B** - Black **P** - White **S** - Silver

Bottom Lenses

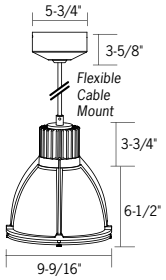
For use with ACS, CR, and ACL Shade Models
PACDLA12 - Optional 12" Conical Acrylic Prismatic Drop Lens and Clamp
PASFLA12 - Optional 12" Smooth Acrylic Flat Lens and Clamp
PACDLA16 - Optional 16" Conical Acrylic Prismatic Drop Lens and Clamp
PASFLA16 - Optional 16" Smooth Acrylic Flat Lens and Clamp

Wire Guards

WG12 - 12" Wire Guard
WG16 - 16" Wire Guard

8" LED DECORATIVE PENDANT

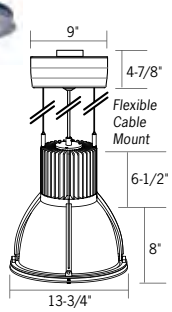
- 15W, 28W, or 38W Multi-chip LED array available in three color temperatures: 2700K, 3000K and 3500K
- Installation options include 120" field adjustable flexible cable or various rigid stem lengths, see ordering information for details, maximum allowable stem length is 10 feet
- Dimming range down to 10% nominal output current; designed to work with industry standard lighting controls
- 0-10V Dimming available for 120V and 277V; optional Triac Dimming 120V only
- Frosted glass lens encloses the bottom of luminaire to reduce glare; optional acrylic lens (CG8FAL) available
- Select from clear acrylic, aluminum, or colored glass shades
- 120V - 277V, Damp location listed
- *Photometrics and LM-79 data on page 245*



Luminaire	Color Temp	Voltage/Dimming	Shade	Mounting	Finish
CGL823 - 15W **CGL830** - 28W **CGL840** - 38W	**27K** - 2700K **30K** - 3000K **35K** - 3500K	**12D1*** - 120V Triac Dimming **MVD2** - 120V – 277V 0-10V Dimming **15W & 28W Models Only*	**A** - Acrylic **AL** - Aluminum **AM** - Amber Glass **B** - Blue Glass **R** - Red Glass **W** - White Glass	**FC** - Flexible Cable **RS** - Rigid Stem**	**B** - Black Housing, Black Cord **P** - White Housing, White Cord **S** - Silver Housing, Black Cord

12" LED DECORATIVE PENDANT

- 28W, 38W, 50W, 60W, or 98W Multi-chip LED array available in four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Installation options include 120" field adjustable flexible cable or various rigid stem lengths, see ordering information for details, maximum allowable stem length is 10 feet
- 0-10V Dimming, dimming range down to 10%; standard option for all wattages. Lutron Hi-Lume Dimming, dimming range down to 1%; 28W model only.
- For non-dimming applications, use driver option MVD2, 0-10V Dimming
- Frosted glass lens encloses the bottom of luminaire to reduce glare; optional acrylic lens (CG12FAL) available
- Select from clear acrylic, aluminum, or colored glass shades
- Emergency battery backup options available. Canopy mount with local switch (EC) or remote mount with remote switch (ER). Remote mount option comes with a thin canopy.
- Tested in compliance with the Canadian Standards Association (CSA) as set forth in C22.2 No. 141, "Unit Equipment for Emergency Lighting"
- 120V - 277V, Damp location listed
- *Photometrics and LM-79 data on page 245*

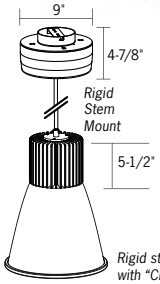


Luminaire	Color Temp	Voltage/Dimming	Emergency Battery Backup	Shade	Mounting	Finish
CGL1232 - 28W **CGL1254** - 38W **CGL1282** - 50W **CGL1290** - 60W **CGL12100** - 98W	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**12D1*** - 120V Triac Dimming **MVD2** - 120V – 277V 0-10V Dimming **MVD4*** - 120V – 277V Lutron Hi-Lume® Dimming *28W Luminaire Only	None Leave Blank **EC** - Canopy Mount, 6.5W Local Switch **ER*** - Remote Mount, 6.5W Remote Switch *Includes thin canopy	**A** - Acrylic **AL** - Aluminum **AM** - Amber Glass **B** - Blue Glass **R** - Red Glass **W** - White Glass	**FC** - Flexible Cable **RS** - Rigid Stem**	**B** - Black Housing, Black Cord **P** - White Housing, White Cord **S** - Silver Housing, Black Cord

All specifications subject to change without notice.

12" & 16" LED PERFORMANCE PENDANT

- 28W, 38W, 50W, 60W, or 98W Multi-chip LED array available in four color temperatures: 2700K, 3000K, 3500K, and 4000K
- Installation options include 120" field adjustable flexible cable or various rigid stem lengths, see ordering information for details, maximum allowable stem length is 10 feet
- 0-10V Dimming, dimming range down to 10%; standard option for all wattages. Lutron Hi-Lume® Dimming, dimming range down to 1%; 28W model only.
- For non-dimming applications, use driver option MVD2, 0-10V Dimming
- Select from clear acrylic or aluminum shades
- Emergency battery backup options available. Canopy mount with local switch (EC) or remote mount with remote switch (ER). Remote mount option comes with a thin canopy.
- Tested in compliance with the Canadian Standards Association (CSA) as set forth in C22.2 No. 141, "Unit Equipment for Emergency Lighting"
- 120V - 277V, Damp location listed
- *Photometrics and LM-79 data on page 246*



Rigid stem mount shown with "CM" metal reflector.

Luminaire	Color Temp	Voltage/Dimming	Emergency Battery Backup	Shade	Mounting	Finish
CGL1232 - 28W **CGL1254** - 38W **CGL1282** - 50W **CGL1290** - 60W **CGL12100** - 98W	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**12D1*** - 120V Triac Dimming **MVD2** - 120V – 277V 0-10V Dimming **MVD4*** - 120V – 277V Lutron Hi-Lume® Dimming **28W Luminaire Only*	None Leave Blank **EC** - Canopy Mount, 6.5W Local Switch **ER*** - Remote Mount, 6.5W Remote Switch **Includes thin canopy*	**A12** - 12" Acrylic **A16** - 16" Acrylic **AL16** - 16" Aluminum, Silver Finish **CM** - 12" Metal Reflector, Medium Distribution, Silver Finish **CW** - 12" Metal Reflector, Wide Distribution, Silver Finish	**FC** - Flexible Cable **RS** - Rigid Stem**	**B** - Black Housing, Black Cord **P** - White Housing, White Cord **S** - Silver Housing, Black Cord

DECORATIVE PENDANT ACCESSORIES

**Rigid Stems for "RS" Mount	Finish
6" STEM(A)	**B** - Black
12" STEM(A)	**P** - White
18" STEM(A)	**S** - Silver
24" STEM(A)	
30" STEM(A)	
36" STEM(A)	
48" STEM(A)	
COUPLING - External Coupling for Connecting Stems	

Optional Lenses

CG8FAL - Frosted Acrylic Lens for CGL8 Series Pendants
CG12FAL - Frosted Acrylic Lens for CGL12 Decorative Series Pendants
PACDLA12 - Optional 12" Conical Acrylic Prismatic Drop Lens and Clamp for CGL12 Performance Pendants
PASFLA12 - Optional 12" Smooth Acrylic Flat Lens and Clamp for CGL12 Performance Pendants
PACDLA16 - Optional 16" Conical Acrylic Prismatic Drop Lens and Clamp for CGL12 A16 Acrylic Shade
PASFLA16 - Optional 16" Smooth Acrylic Flat Lens and Clamp for CGL12 A16 Acrylic Shade

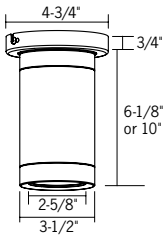
GRILL EM!
BAKE 'r BROIL!

INTEGRATED LED CYLINDERS 86
PAR38 LED CYLINDERS 92

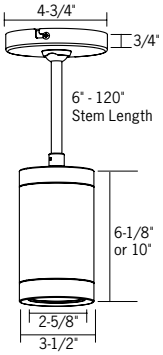
CYLINDER LIGHTING

3-1/2" INTEGRATED LED INDOOR/OUTDOOR CYLINDERS

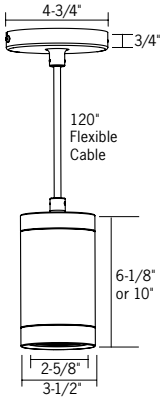
- Specification grade 3-1/2" diameter aluminum housing for indoor and outdoor applications
- Six (6) mounting options available: ceiling, flexible cable, rigid stem, track, wall mount, or up/down mount
- Ceiling, pendant, up/down, and wall mount versions are available in either dry/damp (indoor) or wet (outdoor) location types. Flexible cable and track versions are only available in dry/damp location type.
- Available in 6" and 10" high cylinders
- Available in matte white, matte black, matte silver, and satin bronze finishes. Black flexible cable with black or bronze cylinders, white with white and gray with silver.
- Available in spot (12°), medium (27°), and flood (40°) distributions. Each molded TIR optic has been optically engineered to provide a smooth, uniform beam; maximizing output and minimizing glare.
- Light engine consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse multiple LED sources
- Excellent color consistency within a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen maintenance
- UL8750 and Class 2 compliant: RoHS compliant, U.S. only
- Output over voltage, over current and short circuit protected
- All CY3 cylinders are available for non-dimming and dimming applications
- cCSAus Certified for use in the U.S. and Canada
- Ceiling, Pendant, Up/down, and Wall mount models available as Damp/Dry or Wet location models. Flexible Cable mount only available as Damp/Dry location model. Wet location models must be installed per specific product installation instructions and all appropriate National Electrical Codes.
- Energy Star listed for all models except the Up/Down



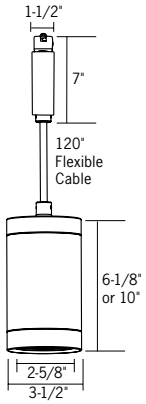
Ceiling Mount



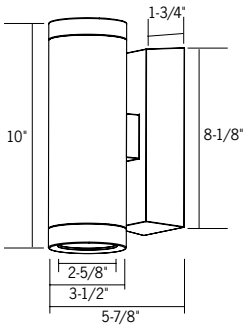
Pendant Mount



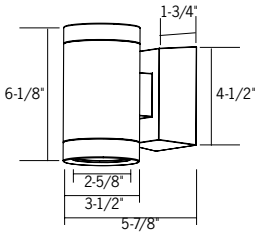
Flexible Cable Mount



Track Mount



Up/Down Wall Mount



Wall Mount

All specifications subject to change without notice.

Ordering Information

Example Order: CYL3T227KMVD2UDXM-BZ

Luminaire	Height	LED Series	Color Temp	Voltage/Dimming
CY3	**S** - 6" Tall **T** - 10" Tall	**1** - 10W/1100lm **2** - 14W/1400lm **3** - 20W/1800lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12D1** - 120V Triac/ELV Dimming **MVD2**[1] - 120V - 277V 0-10V Dimming

Mounting	Location	Beam	Finish
C - Ceiling Mount **FC**[2] - Flexible Cable **P** - Pendant Mount **W**[3] - Wall Mount **UD**[4] - Up/Down Wall Mount (Dry/Damp location only) **TFC**[5] - Track Adapter	- Interior Dry/Damp (Leave Blank) **X** - Exterior Wet	**S** - Spot **M** - Medium **F** - Flood	**B** - Matte Black **BZ** - Satin Bronze **P** - Matte White **S** - Matte Silver

1. 6" Series 1 luminaires are NOT available with MVD2 drivers for ceiling, flexible cable, or rigid stem mounting options
2. Flexible Cable version is only available in interior dry/damp location type
3. Wall mount luminaires may be installed in up or down orientation
4. Up/Down Mounting only available in 10" height
5. TFC Mounting is only available with 12D1 driver option
6. Consult factory when different beams, color temperatures, or lumen packages are required in a single Up/Down luminaire

Accessories

Stem for RS Mounting — Finish

Each RS Mount luminaire includes one (1) 6" Stem; order extra lengths and couplings as needed.

6" STEM (A) - 6"
12" STEM (A) - 12"
18" STEM (A) - 18"
24" STEM (A) - 24"
30" STEM (A) - 30"
36" STEM (A) - 36"
42" STEM (A) - 42"
48" STEM (A) - 48"
COUPLING - Stem Coupling

B - Matte Black
BZ - Satin Bronze
P - Matte White
S - Matte Silver

Lenses and Accessory Holder

FA-47 - Accessory Holder
FA-16 60MM - 2-3/8" Dia. Black Honeycomb Louver
LF16-* 60MM
2-3/8" Dia. tempered glass lenses and filters. 1/8" Thick, typ. Requires FA-47 Accessory Holder.

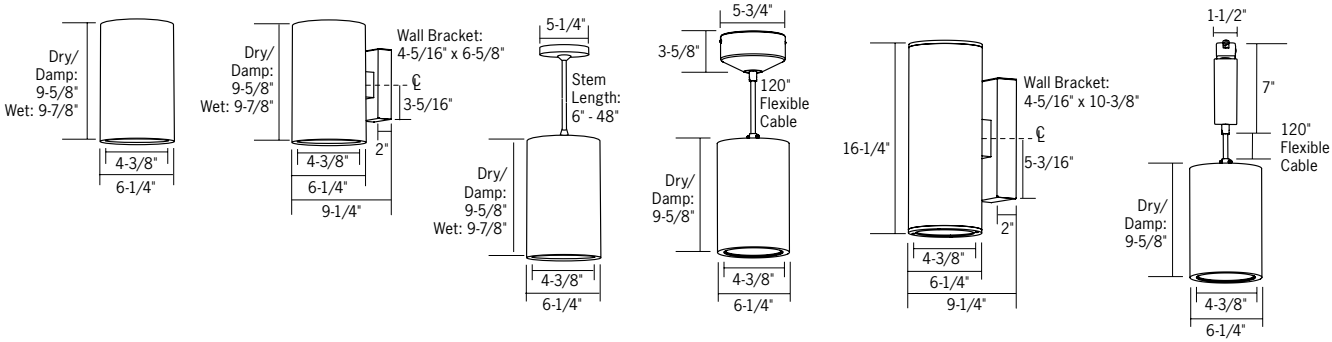
***Color/Pattern Legend**
-A (Amber), **-B** (Blue), **-CL** (Clear), **-DPE** (Dichroic Peach), **-G** (Green), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow), **-73** (Spread Lens), **-LS** (Linear Spread Lens), **-SL** (Soft Light), **-SOL** (Solite Lens)

Extra Optics

2INOPTIC-S - 2" TIR Optic, Spot Beam
2INOPTIC-M - 2" TIR Optic, Medium Beam
2INOPTIC-F - 2" TIR Optic, Flood Beam

6" INTEGRATED LED INDOOR/OUTDOOR CYLINDERS

- Specification grade 6" aperture aluminum housing for indoor and outdoor applications
- Mounting options include ceiling, flexible cable, pendant or wall mount; wall mount option is available as a down light or an up/down light version
- Each mounting style provides hands-free wiring capability
- Two LED modules are available; both feature a high output multi-chip array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse and homogenize multiple LED sources, and are available in four standard color temperature options: 2700K, 3000K, 3500K, and 4000K
- Up/Down Cylinders employ two separate light engines, each providing delivered lumens indicated. As such, wattages will be doubled.
- Color consistency within a 3-step MacAdam ellipse tolerance
- Die cast aluminum heat sink thermally engineered to maintain optimal LED junction temperature; 70% lumen maintenance at 50,000 hours
- Dimming comes standard on all housings with both LED modules: Choose from standard Triac dimming, 0-10V dimming or high performance Lutron Hi-Lume® dimming, which enables dimming down to 1%
- Quick-connect LED light engine for easy installation and removal
- Ceiling, pendant, up/down, and wall mount down light versions are available in either dry/damp (indoor) or wet (outdoor) location types. Flexible cable version is only available in dry/damp location type.
- Wet location type cylinders feature a silicone sealed clear glass lens in a gasketed die-cast trim ring to ensure unit is watertight
- Available in matte white, matte black, matte silver, and satin bronze finishes
- Optical system employs either a clear or platinum reflector: Clear reflector is available in narrow, medium and wide beam distributions, Platinum is only available in a single, medium beam distribution
- 120V-277V, Dry/Damp/Wet Location listed
- Energy Star listed



Ceiling Mount | Wall Mount | Pendant Mount | Flexible Cable Mount | Up/Down Wall Mount | Track Mount

All specifications subject to change without notice.

Ordering Information

Example Order: CYL6127KMVD4FCXNCLR-BZ

Luminaire	LED Series	Color Temp
CYL6	**1** - 10W, 1000lm	**27K** - 2700K
	2 - 14W, 1400lm	**30K** - 3000K
	3 - 20W, 2000lm	**35K** - 3500K
	4 - 28W, 2600lm	**40K** - 4000K
	5 - 37W, 3200lm	**27KC** - 2700K, 90+ CRI
	6 - 43W, 3600lm	**30KC** - 3000K, 90+ CRI
		35KC - 3500K, 90+ CRI
		40KC - 4000K, 90+ CRI

Voltage/Dimming

MVD - 120V-277V TRIAC, ELV, 0-10V Dimming
12D3 - Lutron Hi-lume 1% 2-Wire LED Driver (120V Forward Phase Only)
MVD4 - Lutron Hi-lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black
MVD6 - eldoLED ECOdrive, 0-10V, 1% Dimming
MVD7 - eldoLED ECOdrive, DALI, 1% Dimming
MVD8 - eldoLed SOLOdrive, 0-10V, 0.1% Dimming
MVD9 - eldoLED SOLOdrive, DALI, 0.1% Dimming
MDMX - eldoLED POWERdrive, DMX <1% Dimming

DRIVER AVAILABILITY MATRIX

Driver*:	**MVD** 120V-277V TRIAC, ELV	**12D3** Lutron Hi-lume	**MVD4** Lutron EcoSystem	**MVD6** eldoLED ECODrive	**MVD7** eldoLED ECODrive	**MVD8** eldoLED SOLODrive	**MVD9** eldoLED SOLODrive	**MDMX** eldoLED POWERdrive
Mounting								
C	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A
FC	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A
P	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A
W	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series
U/D	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A
TFC	All Series	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Due to driver size, not all mounting options are compatible with all driver options*

Mounting	Location	Beam*	Reflector	Finish
C - Ceiling Mount	- Interior Dry/Damp (Leave Blank)	**N** - Narrow	**CLR** - Clear	**B** - Matte Black
FC[1] - Flexible Cable	**X** - Exterior Wet	**M** - Medium	**PL** - Platinum	**BZ** - Satin Bronze
P - Pendant Mount		**W** - Wide		**P** - Matte White
W - Wall Mount				**S** - Matte Silver
UD[2] - Up/Down Wall Mount				
TFC[3] - Track Mount				

**For clear reflector only; leave blank for platinum reflector*

Stem Kit* - Pendant Mount Only

CSK6-(B,BZ,P,S) - 6" **CSK30-(B,BZ,P,S)** - 30"
CSK12-(B,BZ,P,S) - 12" **CSK36-(B,BZ,P,S)** - 36"
CSK18-(B,BZ,P,S) - 18" **CSK48-(B,BZ,P,S)** - 48"
CSK24-(B,BZ,P,S) - 24"

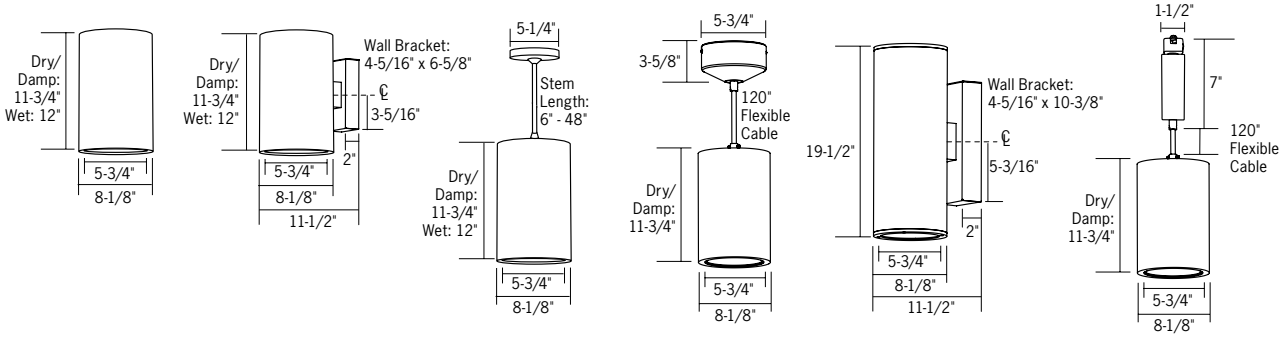
**All stem kits include stem, canopy and mounting hardware*

1. Flexible Cable version is only available in dry/damp location type
2. Consult factory when different beams, color temperatures, or lumen packages are required in a single Up/Down cylinder
3. Track Mount option only available with MVD Driver Option wired to 120V; TRIAC/ELV Dimming capable. BZ Finish comes with black track adapter.

All specifications subject to change without notice.

8" INTEGRATED LED INDOOR/OUTDOOR CYLINDERS

- Specification grade 8" aperture aluminum housing for indoor and outdoor applications
- Mounting options include ceiling, flexible cable, pendant or wall mount; wall mount option is available as a down light or an up/down light version
- Each mounting style provides hands-free wiring capability
- Three LED modules are available; all feature a high output multi-chip array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse and homogenize multiple LED sources, and are available in four standard color temperature options: 2700K, 3000K, 3500K, and 4000K
- Up/Down Cylinders employ two separate light engines, each providing delivered lumens indicated. As such, wattages will be doubled.
- Excellent color consistency within a 3-step MacAdam ellipse tolerance
- Die cast aluminum heat sink thermally engineered to maintain optimal LED junction temperature; 70% lumen maintenance at 50,000 hours
- Dimming comes standard on all housings with LED modules: Choose from standard Triac dimming, 0-10V dimming or high performance Lutron Hi-Lume® dimming, which enables dimming down to 1%
- Quick-connect LED light engine for easy installation and removal
- Ceiling, pendant, up/down, and wall mount down light versions are available in either dry/damp (indoor) or wet (outdoor) location types. Flexible cable version is only available in dry/damp location type.
- Wet location type cylinders feature a silicone sealed clear glass lens in a gasketed die-cast trim ring to ensure unit is watertight
- Available in matte white, matte black, matte silver, and satin bronze finishes
- Optical system employs either a clear or platinum reflector
- 120V-277V, Dry/Damp/Wet Location listed
- Energy Star listed



Ceiling Mount | Wall Mount | Pendant Mount | Flexible Cable Mount | Up/Down Wall Mount | Track Mount

All specifications subject to change without notice.

Ordering Information

Example Order: CYL8127KMVD4FCXNCLR-BZ

Luminaire	LED Series	Color Temp
CYL8	**1** - 10W, 1000lm	**27K** - 2700K
	2 - 14W, 1400lm	**30K** - 3000K
	3 - 20W, 2000lm	**35K** - 3500K
	4 - 28W, 2600lm	**40K** - 4000K
	5 - 37W, 3200lm	**27KC** - 2700K, 90+ CRI
	6 - 43W, 3600lm	**30KC** - 3000K, 90+ CRI
		35KC - 3500K, 90+ CRI
		40KC - 4000K, 90+ CRI

Voltage/Dimming

MVD - 120V-277V TRIAC, ELV, 0-10V Dimming
12D3 - Lutron Hi-lume 1% 2-Wire LED Driver (120V Forward Phase Only)
MVD4 - Lutron Hi-lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black
MVD6 - eldoLED ECOdrive, 0-10V, 1% Dimming
MVD7 - eldoLED ECOdrive, DALI, 1% Dimming
MVD8 - eldoLed SOLOdrive, 0-10V, 0.1% Dimming
MVD9 - eldoLED SOLOdrive, DALI, 0.1% Dimming
MDMX - eldoLED POWERdrive, DMX <1% Dimming

DRIVER AVAILABILITY MATRIX

Driver*:	**MVD** 120V-277V TRIAC, ELV	**12D3** Lutron Hi-lume	**MVD4** Lutron EcoSystem	**MVD6** eldoLED ECODrive	**MVD7** eldoLED ECODrive	**MVD8** eldoLED SOLODrive	**MVD9** eldoLED SOLODrive	**MDMX** eldoLED POWERdrive
Mounting								
C	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series
FC	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A
P	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series
W	All Series	All Series	All Series	All Series	All Series	All Series	All Series	All Series
U/D	All Series	All Series	All Series	Thru Series 5	Thru Series 5	Thru Series 5	Thru Series 5	N/A
TFC	All Series	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Due to driver size, not all mounting options are compatible with all driver options*

Mounting	Location	Beam*	Reflector	Finish
C - Ceiling Mount	- Interior Dry/Damp (Leave Blank)	**N** - Narrow	**CLR** - Clear	**B** - Matte Black
FC[1] - Flexible Cable	**X** - Exterior Wet	**M** - Medium	**PL** - Platinum	**BZ** - Satin Bronze
P - Pendant Mount		**W** - Wide		**P** - Matte White
W - Wall Mount				**S** - Matte Silver
UD[2] - Up/Down Wall Mount				
TFC[3] - Track Mount				

**For clear reflector only; leave blank for platinum reflector*

Stem Kit* - Pendant Mount Only

CSK6-(B,BZ,P,S) - 6" **CSK30-(B,BZ,P,S)** - 30"
CSK12-(B,BZ,P,S) - 12" **CSK36-(B,BZ,P,S)** - 36"
CSK18-(B,BZ,P,S) - 18" **CSK48-(B,BZ,P,S)** - 48"
CSK24-(B,BZ,P,S) - 24"

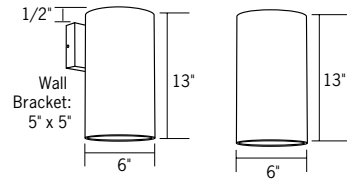
**All stem kits include stem, canopy and mounting hardware*

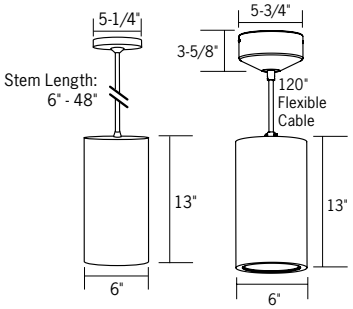
1. Flexible Cable version is only available in dry/damp location type
2. Consult factory when different beams, color temperatures, or lumen packages are required in a single Up/Down cylinder
3. Track Mount option only available with MVD Driver Option wired to 120V; TRIAC/ELV Dimming capable. BZ Finish comes with black track adapter.

All specifications subject to change without notice.

6" PAR38 LED INDOOR CYLINDERS

MEGAMAN® LAMP INCLUDED





- Megaman Lamp included
- 6" Diameter extruded aluminum construction for indoor commercial and industrial applications
- Four mounting options available: ceiling mount, pendant mount, flexible cable mount, and wall mount
- Pendant mount luminaires feature a sloped ceiling canopy (select stem kits separately below)
- Flexible cable includes 120" of field adjustable cable
- Wall mount bracket provides easy, one handed installation
- Safety chain connects the cylinder to the lid (ceiling, flexible cable and pendant mount)
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Hardware included for mounting to octagonal or rectangular switch junction box.
- Refer to photometrics section for lamp performance data

Luminaire	Mounting	Lamp	Reflector	—	Finish
CI6	**C** - Ceiling Mount **FC** - Flexible Cable Mount **P** - Pendant Mount **W** - Wall Mount	**ML11-1527K** - 15W, 15°, 2700K **ML11-1530K** - 15W, 15°, 3000K **ML11-1535K** - 15W, 15°, 3500K **ML11-1540K** - 15W, 15°, 4000K **ML14-2527K** - 18W, 25°, 2700K **ML14-2530K** - 18W, 25°, 3000K **ML14-2535K** - 18W, 25°, 3500K **ML14-2540K** - 18W, 25°, 4000K **ML14-4527K** - 18W, 45°, 2700K **ML14-4530K** - 18W, 45°, 3000K **ML14-4535K** - 18W, 45°, 3500K **ML14-4540K** - 18W, 45°, 4000K **ML21-3527K** - 20W, 35°, 2700K **ML21-3530K** - 20W, 35°, 3000K **ML21-3535K** - 20W, 35°, 3500K **ML21-3540K** - 20W, 35°, 4000K	**B** - Black Baffle **C** - Clear Reflector		**B** - Black **P** - White **S** - Silver

Stem Kit* - Pendant Mount Only

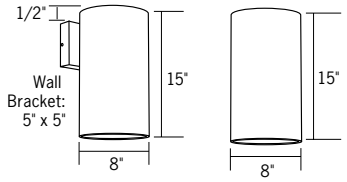
CSK6-(B,P,S) - 6"
CSK12-(B,P,S) - 12"
CSK18-(B,P,S) - 18"
CSK24-(B,P,S) - 24"
CSK30-(B,P,S) - 30"
CSK36-(B,P,S) - 36"
CSK48-(B,P,S) - 48"

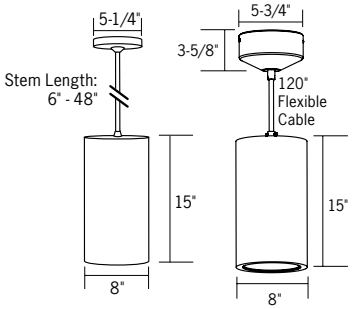
**All stem kits include stem, canopy and mounting hardware*

All specifications subject to change without notice.

8" PAR38 LED INDOOR CYLINDERS

- Megaman Lamp included
- 8" Diameter extruded aluminum construction for indoor commercial and industrial applications
- Four mounting options available: ceiling mount, pendant mount, flexible cable mount, and wall mount
- Pendant mount luminaires feature a sloped ceiling canopy (select stem kits separately below)
- Flexible cable includes 120" of field adjustable cable
- Wall mount bracket provides easy, one handed installation
- Safety chain connects the cylinder to the lid (ceiling, flexible cable and pendant mount)
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Hardware included for mounting to octagonal or rectangular switch junction box.
- Refer to photometrics section for lamp performance data





Luminaire	Mounting	Lamp	Reflector	Finish
CI8	**C** - Ceiling Mount **FC** - Flexible Cable Mount **P** - Pendant Mount **W** - Wall Mount	**ML11-1527K** - 15W, 15°, 2700K **ML11-1530K** - 15W, 15°, 3000K **ML11-1535K** - 15W, 15°, 3500K **ML11-1540K** - 15W, 15°, 4000K **ML14-2527K** - 18W, 25°, 2700K **ML14-2530K** - 18W, 25°, 3000K **ML14-2535K** - 18W, 25°, 3500K **ML14-2540K** - 18W, 25°, 4000K **ML14-4527K** - 18W, 45°, 2700K **ML14-4530K** - 18W, 45°, 3000K **ML14-4535K** - 18W, 45°, 3500K **ML14-4540K** - 18W, 45°, 4000K **ML21-3527K** - 20W, 35°, 2700K **ML21-3530K** - 20W, 35°, 3000K **ML21-3535K** - 20W, 35°, 3500K **ML21-3540K** - 20W, 35°, 4000K	**B** - Black Baffle **C** - Clear Reflector	**B** - Black **P** - White **S** - Silver

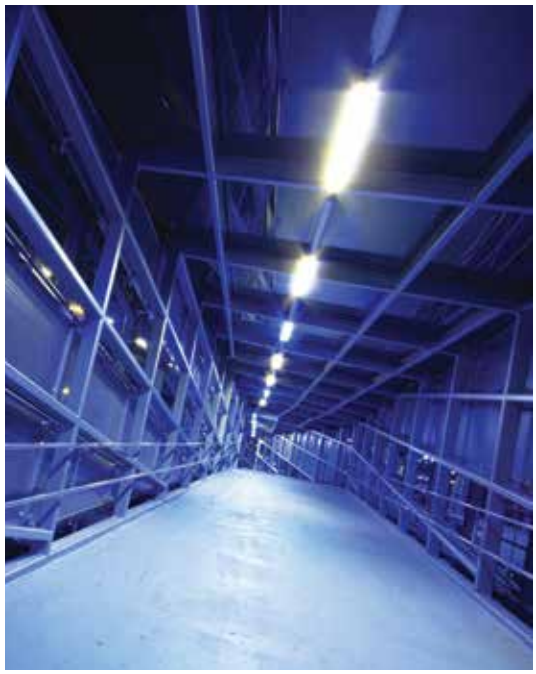
Stem Kit* - Pendant Mount Only

CSK6-(B,P,S) - 6"
CSK12-(B,P,S) - 12"
CSK18-(B,P,S) - 18"
CSK24-(B,P,S) - 24"
CSK30-(B,P,S) - 30"
CSK36-(B,P,S) - 36"
CSK48-(B,P,S) - 48"

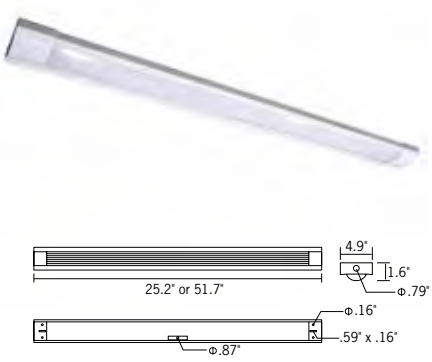
**All stem kits include stem, canopy and mounting hardware*

LINEAR SURFACE STRIP LUMINAIRE 96
LINEAR PENDANT 96
LINEAR SURFACE WRAP LUMINAIRE 97
LINEAR SURFACE WRAP WITH INTEGRATED SENSOR 97

LINEAR LIGHTING



LED LINEAR SURFACE STRIP: SS SERIES



- Commercial grade 2' and 4' surface mount strip luminaires
- Integrated LED Strips delivering 900 lumens per foot
- Matte White finish with opaque white high impact acrylic lens
- Available in 2700K, 3000K, 3500K, and 4000K CCT with 83 CRI
- Light engine consists of multi-chip LED strips; 10 Watts per linear foot
- 120-277V Integrated, non-dimming driver
- Surface mounting for ceiling or wall
- Includes mounting hardware
- ETL Certified for use in the U.S. and Canada
- Suitable for use in closets when installed in accordance with NFPA® 70, NEC® Section 410.16

Luminaire	Color Temp	Driver	—	Finish
SS2 - 2' Length **SS4** - 4' Length	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	**MV** - 120 - 277V		**P** - White

LED LINEAR PENDANT: PL SERIES

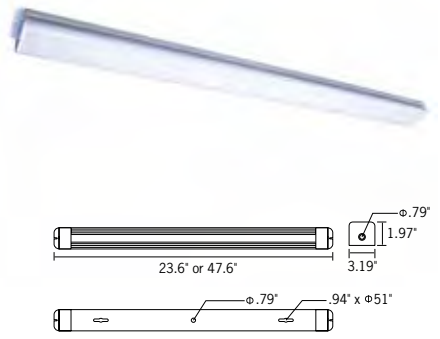
- Commercial grade 2' and 4' Chain Hung Luminaire with Cord, Plug, and Pull Chain
- Integrated LED Strips delivering over 900 lumens per foot
- Brushed Aluminum finish with opaque white high impact acrylic lens
- Available in 2700K, 3000K, 3500K, and 4000K CCT with 83 CRI
- Light engine consists of multi-chip LED strips; 10 Watts per linear foot
- 120-277V Integrated, non-dimming driver
- Comes Standard with 120V, 15A Plug and 6' SJ Cord pre-wired
- Integrated on/off switch with pull chain
- Chain suspended from Ceiling
- Includes mounting hooks and 4' chains
- ETL Certified for use in the U.S. and Canada

Luminaire	Color Temp	Driver	Driver	—	Finish
PL2 - 2' Length **PL4** - 4' Length	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	**MV** - 120 - 277V	**CPC** - Cord, Plug, Chain		**P** - White

All specifications subject to change without notice.

LED LINEAR SURFACE WRAP: SW SERIES

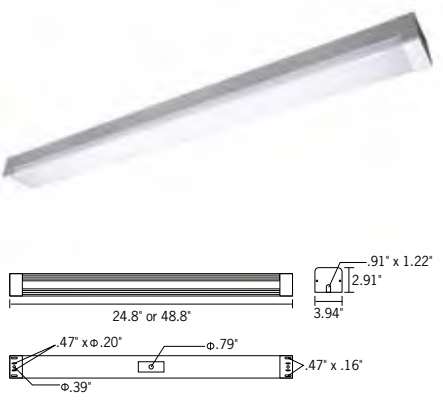
- Commercial grade 2' and 4' surface mount wrap Luminaires
- Integrated LED Strips delivering over 1000 lumens per foot
- Matte White finish with opaque white high impact acrylic lens
- Available in 2700K, 3000K, 3500K, and 4000K CCT with 83 CRI
- Light engine consists of multi-chip LED strips; 10 Watts per linear foot
- 120-277V Integrated, non-dimming driver
- Surface mounting for ceiling or wall
- Includes mounting hardware
- ETL Certified for use in the U.S. and Canada.
- Suitable for use in closets when installed in accordance with NFPA® 70, NEC® Section 410.16



Luminaire	Color Temp	Driver	—	Finish
SW2 - 2' Length **SW4** - 4' Length	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	**MV** - 120 - 277V		**P** - White

LED LINEAR SURFACE WRAP WITH INTEGRATED SENSORS: SW SERIES

- Commercial grade 2' and 4' surface mount wrap Luminaires
- Integrated LED Strips delivering over 1000 lumens per foot
- Integrated Motion sensors for on/off control or dimming control
- Matte White finish with opaque white high impact acrylic lens
- Available in 2700K, 3000K, 3500K, and 4000K CCT with 83 CRI
- Light engine consists of multi-chip LED strips; 10 Watts per linear foot
- 120-277V Integrated Driver
- Dimming Motion Sensor (DS Option):
  Adjustable Detection Area: 10%, 50%, 75%, 100%
  Hold Time: 5s, 30s, 90s, 3min, 20min, and 30min
  Stand-by Period: 0s, 5s, 5min, 10min, 30min, 1hr, and infinite
  Daylight Sensor: Disable or 6 levels from 0.2fc to 9fc
  Dimming level: 10%, 20%, 30%, 50%
- On/Off Motion Sensor (MS Option):
  Adjustable Detection Area: 10%, 25%, 50%, 75%, 100%
  Hold Time: 5s, 30s, 90s, 3min, 20min, and 30min
  Daylight Sensor: Disable or 6 levels from 0.2 fc to 9fc
  Max Detection Zone: 50' x 50'
- Surface mounting for ceiling or wall; Includes mounting hardware
- ETL Certified for use in the U.S. and Canada
- Suitable for use in closets when installed in accordance with NFPA® 70, NEC® Section 410.16

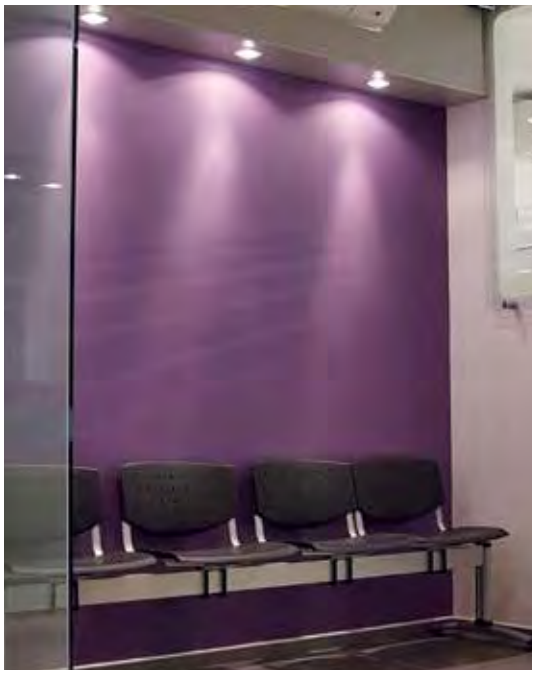


Luminaire	Color Temp	Driver	Control Sensor	—	Finish
SW2 - 2' Length **SW4** - 4' Length	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	**MV** - 120 - 277V	**DS** - Dimming Motion Sensor **MS** - On/Off Motion Sensor		**P** - White

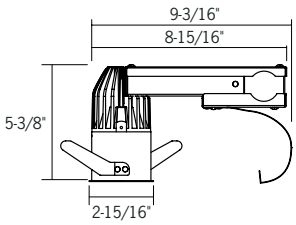
All specifications subject to change without notice.

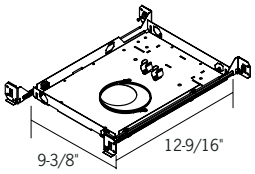
2" RECESSED DOWNLIGHTS 100
3" RECESSED DOWNLIGHTS 104
4" RECESSED DOWNLIGHTS 107
6" RECESSED DOWNLIGHTS 122
8" RECESSED DOWNLIGHTS 140
RECESSED LED MODULES 142
RECESSED MULTIPLES 148

RECESSED LIGHTING



2" LED RECESSED DOWNLIGHT





Optional Mounting Frame: NCF1

- Powerful LED lumen package in a highly desirable mini-housing offers incredible space design freedom
- Designed as a remodel housing; optional NCF1 mounting frame can be used to install luminaire as a traditional recessed downlight
- Downlight reflector trims provide 55° of cutoff for visual comfort and will also accommodate a single media
- Trims are wet location rated when used with an LF16 60MM lens
- Two lumen packages/wattages available:
  900 Lumen, 11W downlight for use in insulated ceilings (IC)
  1200 Lumen, 16W downlight for use in non-insulated ceilings (non-IC)
- Both downlights are Stopaire (SA) rated and can be used in applications where air-tight housings are required
- Housing utilizes a die-cast aluminum collar/heat sink design with driver compartment and junction box made from heavy gauge steel. Housing is painted a matte black finish.
- Precision TIR Optics produce Spot (12°), Medium (27°), and Flood (40°) beam distributions
- Excellent color consistency within a 2-step MacAdam Ellipse tolerance
- 120/277V, Damp location listed
- *Photometrics and LM-79 data on page 261; Dimming compatibility on page 219*

Housing	LED Module/Color Temp	Driver/Dimming	Beam	—
RA2LRM	***11W Series 1 (IC, StopAire®Remodel)***	**12** - 120V Non-Dimming	**S** - Spot	**CP** - Chicago Plenum
	127K - 2700K, 83 CRI **127KC** - 2700K, 93+ CRI	**27** - 277V Non-Dimming	**M** - Medium	
	130K - 3000K, 83 CRI **130KC** - 3000K, 93+ CRI	**12D1** - 120V Triac (F. Phase) Dimming	**F** - Flood	
	135K - 3500K, 83 CRI **135KC** - 3500K, 93+ CRI	**MVD2** - 120/277V 0-10V Dimming	**WW** - Wall Wash	
	140K - 4000K, 83 CRI **140KC** - 4000K, 90+ CRI	**MVD5**[2] - 120/277V ELV (R. Phase) Dimming		
	16W Series 2 (Non-IC, StopAire®Remodel)[1]			
	227K - 2700K, 83 CRI **227KC** - 2700K, 93+ CRI			
	230K - 3000K, 83 CRI **230KC** - 3000K, 93+ CRI			
	235K - 3500K, 83 CRI **235KC** - 3500K, 93+ CRI			
	240K - 4000K, 83 CRI **240KC** - 4000K, 90+ CRI			

1. Series 2 is not available for use in Insulated Ceilings (IC).
2. MVD5 Option only available for 120V Dimming.

Options

NCF1 - New Construction Mounting Frame
HBC-30 - T-Bar Hanger Set (When Used with NCF1)

All specifications subject to change without notice.

2" LED RECESSED DOWNLIGHT TRIMS

CST2322L-(BLK, CLR*, PL*, WHT)

Specification grade specular reflector available in anodized clear specular, anodized platinum, painted matte white, and painted matte black finishes. Trims are wet location certified when used with an LF16 60MM lens. Trim accepts one (1) FA-16 60MM 2-3/8" Dia. Black Honeycomb Louver or (1) LF16 60MM 2-3/8" Dia. Tempered Glass Lens. **Available with white painted flange. Add "–WPF" to part number.*

CTR2323L-(BLK, CLR*, PL*, WHT)

An angled TIR optic enables precise light control. Reflector is available in anodized clear specular, anodized platinum, painted matte white, and painted matte black finishes. Not Energy Star certified. **Available with white painted flange. Add "–WPF" to part number.*

CST2322LSQ-(BLK,CLR,PL,WHT)-(B,P)

Specification grade reflector available in anodized clear specular, anodized platinum, painted matte white, and painted matte black. Trim Plate is available in painted matte white and painted matte black. Wet location certified when used with an LF16 60MM lens. Accepts one (1) FA-16 60MM 2-3/8" Dia. Black Honeycomb Louver or (1) LF16 60MM 2-3/8" Dia. Tempered Glass Lens.

CTR2323LSQ-(BLK,CLR,PL,WHT)-(B,P)

An angled TIR optic enables precise light control. Reflector is available in anodized clear specular, anodized platinum, painted matte white, and painted matte black finishes. Trim Plate is available in painted matte white and painted matte black finishes. Not Energy Star certified.

Lenses and Louvers

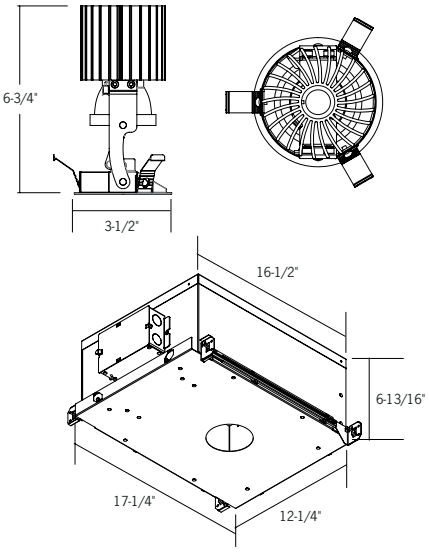
- **FA-16 60MM**
  2-3/8" Dia. Black Honeycomb Louver
- **LF16-(A, B, CL, G, LB, R, RO, Y, 73, LS, SL, SOL, UV) 60MM**
  2-3/8" Diameter Lenses

-A *(Medium Amber),* ***-B*** *(Medium Blue),* ***-CL*** *(Clear),* ***-G*** *(Medium Green),* ***-LB*** *(Light Blue),* ***-R*** *(Red),* ***-RO*** *(Rose/Pink),* ***-Y*** *(Yellow),* ***-73*** *(Spread Lens),* ***-LS*** *(Linear Spread Lens),* ***-SL*** *(Soft Light/Sandblasted),* ***-SOL*** *(Solite),* ***-UV*** *(Optivex UV Filter)*

Optivex™ is a trademark of Bausch & Lomb.

All specifications subject to change without notice.

2" LED RECESSED ADJUSTABLE DOWNLIGHT



- R2ANC Housing is rated for Insulated Ceiling (IC) and Stopaire® applications. For use in direct contact with insulation materials.
- R2ARM Driver kit cannot be used in direct contact with insulation materials
- 16 gauge galvanized steel housing painted matte black inside and out
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation and may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Quick-connect design enables easy installation and removal of Universal LED Module
- Housing features a removable cover for driver access: For MVD dimming option, drivers are fully accessible from above or below the ceiling; for 12D3, MVD4, MVD6, MVD7, MVD8, and MVD9 dimming options, drivers are only accessible from above the ceiling
- Pre-wired junction box with knockouts. (7) 1/2" concentric knockouts
- Universal LED Module consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control
- Excellent color consistency with a 2-step MacAdam Ellipse tolerance
- Precision TIR Optics produce Spot (12°), Medium (27°), and Flood (40°) beam distributions
- Module features adjustability to 45° when installed in a 1/2" to 1" thick ceiling, 30° in 1-1/2" ceiling
- Mechanism adjustment features white graduation marks every 15° for consistent aiming
- All R2A adjustable downlights are available for non-dimming and dimming applications
- Specification Grade trims are available in different styles and finishes. Featuring a high quality Alzak™ finish; optically designed for reduced glare while maintaining maximum lumen output. Angle Cut, Full Cone and Pinhole trims are available.
- Note: R2A series and RA2LRM series trims are not compatible with each other
- cCSAus Certified to UL Standards. Suitable for damp locations
- Energy Star certified: R2ANC1 and R2ANC2 Series', Medium (M) and Flood (F) beam distributions, when used with C2302, C2304, C2302SQ, and C2304SQ trims – all finishes
- Lutron 12D3 and MVD4 options are not Enery Star certified
- The Crisp White LED option is not Energy Star certified
- Conforms to Washington State Energy Code (WSEC) for low air infiltration, Tested in accordance with ASTM E283 (2.0 CFM or less)
- CP housings are Chicago Plenum CCEA listed
- Assembled in the USA
- *Dimming compatibility on page 221*

2" LED RECESSED DOWNLIGHT TRIMS

Note: R2A series and RA2LRM series trims are not compatible with each other.

Specification Grade Trims

C2302-(CLR*, PL*, BLK, WHT)
2" Spec Grade Full Cone Reflector Trim. Wet location certified when used with an LF16 60MM lens. Trim accepts one (1) FA-16 60MM 2-3/8" Dia. Black Honeycomb Louver or (1) LF16 60MM 2-3/8" Dia. Tempered Glass Lens. OD: 3-5/8"; ID: 2-5/8"

C2304-(CLR*, PL*, BLK, WHT)
2" Spec Grade Angle Cut Reflector Trim, OD: 3-5/8"; ID: 2-5/8"

C2304WL-(CLR*, PL*, BLK, WHT)
2" Spec Grade Angle Cut Reflector Trim, Wet Location. Clear glass lens provides wet location certification. OD: 3-5/8"; ID: 2-5/8"

C2305-(BLK, WHT)
2" Pinhole Trim, OD: 3-5/8"; 1-1/2" Aperture

**Available with White Panted Flange, add -WPF to part number*

Specification Grade Trims with Square Trim Plate

C2302SQ-(CLR, PL, BLK, WHT)-(B, P)
2" Spec Grade Full Cone Reflector Trim, Black or White Trim Plate. Wet location certified when used with an LF16 60MM lens. Trim accepts one (1) FA-16 60MM 2-3/8" Dia. Black Honeycomb Louver or (1) LF16 60MM 2-3/8" Dia. Tempered Glass Lens. SQ: 3-5/8"; ID: 2-5/8"

C2304SQ-(CLR, PL, BLK, WHT)-(B, P)
2" Spec Grade Angle Cut Reflector Trim, Black or White Trim Plate. SQ: 3-5/8"; ID: 2-5/8"

C2304SQWL-(CLR, PL, BLK, WHT)-(B, P)
2" Spec Grade Angle Cut Reflector Trim, Wet Location, Black or White Trim Plate. SQ: 3-5/8"; ID: 2-5/8" . Clear glass lens provides wet location certification

C2305SQ-(BLK, WHT)
2" Pinhole Trim, SQ: 3-5/8"; 1-1/2" Aperture

All specifications subject to change without notice.

Ordering Information

Housing/Driver Kit + Module + Trim = Complete System

1 *Select driver kit, color temperature, dimming option, and options.*

Housing/Driver Kit	Driver	Electrical/Dimming	
R2ANC - New Construction, IC, StopAire® Housing	**1** - 11W/900Lm **2** - 16W/1200Lm **3** - 24W/1500Lm	**MVD**[1] - 120-277V Triac, ELV and 0-10V Dimming **12D3**[2] - 120V Lutron HiLume® Dimming **MVD4**[2] - 120-277V Lutron EcoSystem Dimming **MVD6**[2,3] - 120-277V eldoLED ECOdrive 0-10V, Dim to 1% **MVD7**[2,3] - 120-277V eldoLED ECOdrive DALI, Dim to 1% **MVD8**[2,3] - 120-277V eldoLED SOLOdrive 0-10V, Dim to 0.1% **MVD9**[2,3] - 120-277V eldoLED SOLOdrive DALI, Dim to 0.1%	**CP**[4] - Chicago Plenum **ER**[5] - Factory Installed 7W/200mA Emergency Battery Backup (Remote)

Housing/Driver Kit	Driver	Electrical/Dimming
R2ARM - Remodel Driver Kit	**1** - 11W/900Lm **2** - 16W/1200Lm **3** - 24W/1500Lm	**12D** - 120V Triac, ELV, and 0-10V Dimming **27D** - 277V 0-10V Dimming Only

1. Triac and ELV Dimming for 120V Only
2. Lutron and eldoLED Dimming Options:
   Requires above ceiling driver access when used with R2ANC housing
3. eldoLED Drivers are programmed for linear curve dimming as standard; for logarithmic curve dimming, please consult factory
4. Chicago Plenum Option:
   Not available for use with R2ARM Remodel Kit
   Cannot be used in an IC (Insulated Ceiling) application
   Cannot be used with Emergency Battery Backup Option
5. Emergency Backup Option:
   Not available for use with R2ARM Remodel Kit
   Cannot be used in an IC (Insulated Ceiling) application
   Requires above ceiling driver access when used with R2ANC housing
   550 Lumen nominal average for either Series 1, 2, or 3
6. Not available for use with R2ARM Remodel Kit

Options

FA-47 - Accessory Holder Clip, Black (accepts two media: louver, lens or snoot)
RL-KIT[6] - Commercial Mounting Brackets
HB-24[6] - Flat hanger set for use with RL-KIT. Length: 27"
HBC-24[6]- C-channel hanger bar set for use with RL-KIT in grid ceiling construction. Length: 25"
HB-30[6] - T-Bar Hanger Set

2 *Select module*

Module	LED Module/Color Temp		Beam
UMOD - 2" Universal LED Module	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**27KC** - 2700K, 93+ CRI **30KC** - 3000K, 93+ CRI **35KC** - 3500K, 93+ CRI **40KC** - 4000K, 90+ CRI **30KW** - 3000K, 90+ CRI Crisp White	**S** - Spot **M** - Medium **F** - Flood

3 *Select trim*

Note: R2A series and RA2LRM series trims are not compatible with each other.

Specification Grade Trims

C2302-(CLR*, PL*, BLK, WHT) - Full Cone Reflector
C2304-(CLR*, PL*, BLK, WHT) - Angle Cut Reflector
C2304WL-(CLR*, PL*, BLK, WHT) - Angle Cut Reflector Trim, Wet Location
C2305-(BLK, WHT) - Pinhole Trim
C2302SQ-(CLR, PL, BLK, WHT)-(B, P) - Full Cone Reflector, Square Trim Plate
C2304SQ-(CLR, PL, BLK, WHT)-(B, P) - Angle Cut Reflector Trim, Square Trim Plate
C2304SQWL-(CLR, PL, BLK, WHT)-(B, P) - Angle Cut Reflector Trim, Wet Location, Square Trim Plate
C2305SQ-(BLK, WHT) - Pinhole Trim, Square Trim Plate

**Available with White Panted Flange, add -WPF to part number*

4 *Select module accessories*

Module Accessories

FA-16 60MM - 2-3/8" Dia. Black Honeycomb Louver
FA-47 - Accessory Holder, Black
R2ASNR1-B - Dual Ring Snoot, Black
LF16-* 60MM - 2-3/8" Diameter Lenses
7000085** - 11° Spot Beam Optic
7000076** - 27° Medium Beam Optic
7000075** - 40° Flood Beam Optic

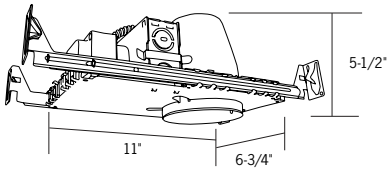
***-A** (Medium Amber), **-B** (Medium Blue), **-CL** (Clear), **-G** (Medium Green), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose/Pink), **-Y** (Yellow), **-73** (Spread Lens), **-LS** (Linear Spread Lens), **-SL** (Soft Light/Sandblasted), **-SOL** (Solite), **-UV** (Optivex UV Filter)*

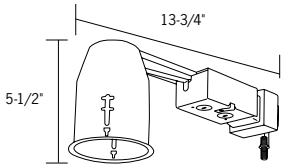
**Consult factory for Crisp White optics

All specifications subject to change without notice.

3" LED RECESSED DOWNLIGHTS

MEGAMAN® LAMP INCLUDED





- Megaman Lamp included
- Includes energy efficient, 8W MR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000K, and 3500K, Color Rendering Index of 82. High CRI (92+) available in 3000K.
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 600 (75 Lm/W) for standard CRI; 530 (67Lm/W) for high CRI
- 12° Beam spread, 5,500 CBCP
- 24° Beam spread: 3,000 CBCP standard CRI; 2,550 CBCP high CRI
- 36° Beam spread: 1,800 CBCP standard CRI; 1,300 CBCP high CRI
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with a electronic low-voltage (ELV) dimmer. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- ***New Construction Housing:*** Versatile mounting features provide fast installation for solid or suspended ceilings. Lamp housing is removable through ceiling aperture to access junction box. J-box has (3) 1/2" knockouts with spring latch access plates. "Sure-grip" springs permit housing to be lowered and adjust to ceiling thickness. Dual extension hanger bars span 15" - 25-1/4" with integral holding spikes for easy mounting to wood joists. Hanger bars may also be extended to rest on T-bar ceilings (optional clip-on T-bar hangers available).
- ***Remodel Housing:*** Low silhouette design for remodeling applications in solid or suspended ceilings. Narrow luminaire design for fast installation through ceiling opening minimizes remodeling mess. Retractable mounting clips allow easy installation into existing ceiling. Luminaire is easily installed through ceiling opening. Retractable mounting clips lock luminaire in place and adjust for different ceiling thicknesses.
- Refer to photometrics section for lamp performance data

Housing		Lamp		Options	
LVR316	- New Construction	**ML1227K**	- 12°, 2700K	**HB-24**	- Flat hanger set for use with RL-KIT Length: 27"
LVR316R	- Remodel	**ML1230K**	- 12°, 3000K	**HB-30**	- Optional T-Bar Hanger Set
		ML1235K	- 12°, 3500K	**HBC-24**	- C-channel hanger bar set for use with RL-KIT in grid ceiling construction Length: 25"
		ML1240K	- 12°, 4000K	**CTR18-P**	- LV Mono-point Adapter
		ML2427K	- 24°, 2700K	**CP**	- Chicago Plenum
		ML2430K	- 24°, 3000K		
		ML2435K	- 24°, 3500K		
		ML2440K	- 24°, 4000K		
		ML3627K	- 36°, 2700K		
		ML3630K	- 36°, 3000K		
		ML3635K	- 36°, 3500K		
		ML3640K	- 36°, 4000K		
		ML2430K-R9	- 24°, 3000K, 92+ CRI		
		ML3630K-R9	- 36°, 3000K, 92+ CRI		

All specifications subject to change without notice.

CTR301-B
Adjustable Black Baffle, Black Trim
CTR301-P
Adjustable Black Baffle, White Trim
CTR301-WHT
Adjustable White Baffle, White Trim

15° Vertical swing. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level.
OD: 4-1/4"; ID: 2-7/8"

CTR302-B-BLKN
Adjustable Multiplier; Black Metal Trim Ring, Black Reflector
CTR302-P-(CLR, PL, WHT)
Adjustable Multiplier; White Metal Trim Ring, Clear, Black, Platinum, or White Reflector
CTR302 (ST, NK) CLR
Adjustable Multiplier; Brushed Stainless Steel or Nickel Trim, Clear Reflector

37° Vertical swing. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level.
OD: 4-1/4"; ID: 2-7/8"

CTR303N-P
Slotted Wall Wash; White Trim

Internal 50° swing adjustment, external 358° rotation. Black interior surface. Slot aperture permits maximum beam area adjustment for either wall wash or concealed accent lighting effects. Accepts (1) LF16-* 45MM Lens.
OD: 4-1/4"; 1-3/8" x 2-1/2" Oblong Slot

CTR304-B-BL
Angled Wall Wash; Black Reflector, Black Trim
CTR304-P-CLR
Angled Wall Wash; Clear Specular Reflector, White Trim
CTR304-P-PL
Angled Wall Wash; Platinum Reflector, White Trim
CTR304-S-PL
Angled Wall Wash; Platinum Reflector, Silver Trim

Adjustable lampholder with 55-75° aiming angle. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. OD: 4-1/4"; ID: 2-7/8"

CTR305-B-BLK
Pin Spot; Black Cut-Off Reflector, Black Trim Ring
CTR305-CLR
Pin Spot; Clear Cut-Off Reflector, White Trim Ring

Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. OD: 4-1/4"; ID: 1-3/8"

CTR306-P
Surface Adjustable; Black Baffle

40° Vertical adjustment, 359° horizontal rotation. Regressed black baffle reduces surface brightness. Flat, stainless mounting clips hold trim firmly to ceiling. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level.
OD: 4-1/4"; ID: 2-7/8"

CTR307-(B, NK, P)
Adjustable Pin Spot; Black Baffle with Black, Nickel, or White Trim Finish
CTR307-WHT
Adjustable Pin Spot; White Baffle, White Trim

Deep baffle for maximum lamp concealment. May be used as a pin spot style downlight or an adjustable accent light. 35° Vertical adjustment. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. OD: 4-1/4"; ID: 2-7/8"

CTR310-F-P
Fluted Frosted Glass Diffuser

Handsome, traditional fluted styling suitable for any decor. Must use Front Glass MR16 Lamp. 1-1/4" Drop from ceiling. Cylindrical shape focuses light downward, eliminates glare. Note: Socket is attached to the trim.
OD: 4-1/4"; ID: 2-3/4"

CTR311FR-(NK, P)
Frosted Flat Glass; Nickel or White Trim

Shower light trim, double neoprene gasketed. cULus Listed for wet location.
OD: 4-1/4"; ID: 2-7/8"

CTR312-P
Flat Glass; White Trim

Etched Glass for light diffusion.
OD: 4-1/4"; ID: 2-3/8"

CTR313-P
Convex Drop Lens; White Trim

Shower light trim. 3/4" Drop (ceiling to bottom of glass), double neoprene gasketed. cULus listed for wet location. OD: 4-1/4"; ID: 2-3/8"

CONTINUED>

3" LED RECESSED DOWNLIGHTS: TRIMS

CTR317-P
Floating Ring; White Trim

Decorative floating glass ring, 2" center opening. Clear reflector with diffuse plastic cone. 1-1/8" Drop from ceiling. Cast aluminum trim construction. Will accept (1) 50mm Lens. OD: 4-3/8"; ID: 2"

CTR321-F-(NK, P)
Frosted Glass Cylinder; Nickel or White Trim

Cylindrical glass diffuser, specular reflector. Light is focused downward, glare is eliminated. Cast aluminum trim construction. 1-1/4" Drop from ceiling. OD: 4-1/4"; ID: 1-5/8"

CTR324-(NK, P, ST)
Fully Adjustable: Nickel, White, or Brushed Stainless Steel Finish

Unsurpassed aiming flexibility: 87° vertical, 359° rotational. Front access, spring latch lamp retainer ring, black finish (optional white retainer ring available: 1623/224 WHITE, ordered separately). Exclusive stainless flat springs insure firm, close-to-ceiling mounting. Accepts only one 47mm lens; if louver is required (FA-16 45MM), remove safety lens and use front glass MR16 lamp. OD: 4-1/4"

CTR325-(B, NK, P)
Fully Adjustable: Black, Nickel, or White Finish

Die cast, fully adjustable, round lampholder and backplate. Easy re-lamping with twist-off front retaining ring. Unsurpassed aiming flexibility: 87° vertical, 359° rotational. Will accept (1) 50mm lens. OD: 4-1/4"

CTR335-(B, CO, P)
Elbow: Black, Copper, Nickel, or White Finish

Exceptional aiming flexibility with 87° vertical, 359° rotation adjustment. Die-cast aluminum construction. Front access, spring latch lamp retainer ring, black finish (optional white retainer ring available: 1623/224 WHITE, ordered separately). Maximum depth from ceiling: 2-1/2". Accepts only one 47mm lens; if louver is required (FA-16 45MM), remove safety lens and use front glass MR16 lamp. OD: 4-1/4"

CTR301SQ-P-WHT
Adjustable White Baffle, White Trim

Deep baffle traps stray light and conceals the lamp. 15° Vertical swing. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. 4-3/8" SQ.; ID: 2-7/8"

CTR305SQ-SQ-P-CLR
Square Pin Spot; White Trim, Clear Reflector

CTR305SQ-SQ-B-CLR
Square Pin Spot; Black Trim, Clear Reflector

CTR305SQ-SQ-NK-CLR
Square Pin Spot; Brushed Nickel Trim, Clear Reflector

Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. 4-3/8" SQ.; ID: 2" SQ.

CTR302SQ-B-(BLK,CLR)
Adjustable Multiplier, Black Trim, Black or Clear Specular Reflector

CTR302SQ-P-(WHT,CLR)
Adjustable Multiplier, White Trim, White or Clear Specular Reflector

Multipliers utilize a highly polished, specular reflector to maximize light intensity while concealing the light source. 37° Vertical adjustment. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. 4-3/8" SQ.; ID: 2-7/8"

CTR306SQ-B
Surface Adjustable Black Trim, Black Baffle

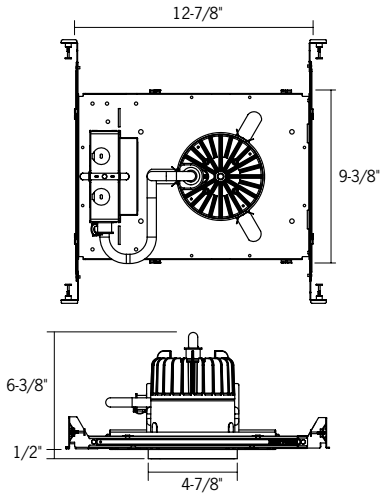
CTR306SQ-P
Surface Adjustable White Trim, Black Baffle

40° Vertical adjustment, 359° horizontal rotation. Regressed black baffle reduces surface brightness. Flat, stainless mounting clips hold trim firmly to ceiling. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. 4-3/8" SQ.; ID: 2-1/8"

All specifications subject to change without notice.

4" INTEGRATED LED RECESSED DOWNLIGHTS: NEW CONSTRUCTION

- Specification grade 4" New Construction housing, 4-3/4" aperture; 4-7/8" ceiling opening
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"); Nailer bars enable easy installation and may be extended to rest on T-bar ceilings, optional clip-on T-bar hangers also available
- Quick-connect LED light engine enables easy installation and removal; LED Drivers are fully accessible from below the ceiling and can be easily removed
- Pre-wired junction box with convenient screwdriver pry-outs: (6) 1/2" and (1) 1/2" x 3/4" concentric knockouts
- Optional emergency battery pack with remote test switch is available
- Light engine consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse multiple LED sources
- Excellent color consistency within a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen maintenance.
- All R4NC downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes for your space
- cCSAus Certified to UL Standards, suitable for damp locations
- cCSAus Certified to UL924 Standard for Emergency Lighting
- Energy Star certified with the following trims: C4322-PL, C4322-WHT, and C4322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 262; Dimming compatibility on page 222*



Luminaire	LED Series	Color Temp	Electrical	Dimming	Options
R4NC	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm **5** - 37W, 3200lm **6** - 43W, 3600lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming	**SD347**[4] - Step Down (347V to 120V) Magnetic Transformer **ER**[4,5] - Factory Installed 7W/200mA Emergency Battery Backup [Remote Test Switch]

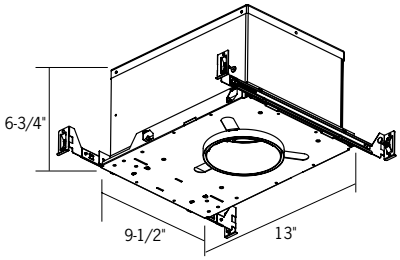
Accessories

RL-KIT - Commercial Mounting Brackets
HB-24 - 27" Flat Hanger Bars for RL-KIT
HBC-24 - 25" C-Channel Hanger Bars for RL-KIT in Grid Ceiling Construction
HB-30 - T-Bar Hanger Set
RSA4L-5-WHT - Slope Ceiling Adapter: 5° Pitch, Matte White Paint
RSA4L-10-WHT - Slope Ceiling Adapter: 10° Pitch, Matte White Paint
RSA4L-15-WHT - Slope Ceiling Adapter: 15° Pitch, Matte White Paint
RSA4L-20-WHT - Slope Ceiling Adapter: 20° Pitch, Matte White Paint
RSA4L-25-WHT - Slope Ceiling Adapter: 25° Pitch, Matte White Paint
RSA4L-30-WHT - Slope Ceiling Adapter: 30° Pitch, Matte White Paint

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.
4. 347V Step down transformer option can be used with ER Emergency Battery Backup option. Order part number as -SD347-ER
5. Emergency battery backup option: 725 lumen nominal average for any Series 1 through 6.

All specifications subject to change without notice.

4" INTEGRATED LED RECESSED DOWNLIGHTS: INSULATED CEILING

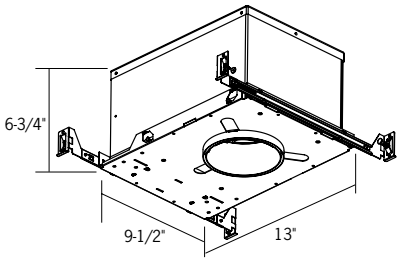


- Specification grade 4" Insulated Ceiling, StopAire® housing, 4-3/4" aperture. 4-7/8" ceiling opening
- For use in applications with direct contact with insulation materials
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation and may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Pre-wired junction box with (8) 1/2" concentric knockouts
- Light engine consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse multiple LED sources
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen maintenance
- The R4IC Series downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes for your space
- cCSAus Certified to UL Standards. Suitable for damp locations
- Conforms to Washington State Energy Code (WSEC) for low air infiltration; tested in accordance with ASTM E283 (2.0 CFM or less)
- Energy Star certified with the following trims: C4322-PL, C4322-WHT and C4322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 262; Dimming compatibility on page 222*

Luminaire	LED Series	Color Temp	Dimming	Accessories
R4IC	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**MVD**[1] - Triac, ELV, 0-10V Dimming **12D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **MVD4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **MVD6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **MVD7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **MVD8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **MVD9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming	**HB-30** - T-Bar Hanger Set

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.

All specifications subject to change without notice.



- Specification grade 4" Stop Aire® 4-3/4" aperture. 4-7/8" ceiling opening
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2") Nailer bars enable easy installation and may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- UL8750 and Class 2 Compliant; RoHS Compliant, US only
- Approved for through-circuit wiring. Max.: (8) 12 AWG (4in/4out). Pre-wired junction box with (8) 1/2" concentric knockouts
- Light engine consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse multiple LED sources
- Excellent color consistency within a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen depreciation
- All R4SA downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes for your space
- cCSAus Certified to UL Standards. Suitable for damp locations.
- Conforms to Washington State Energy Code (WSEC) for low air infiltration; Tested in accordance with ASTM E283 (2.0 CFM or less).
- Chicago Plenum CCEA Certified
- Energy Star certified with the following trims: C4322-PL, C4322-WHT and C4322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA.
- *Photometrics and LM-79 data on page 262; Dimming compatibility on page 222*

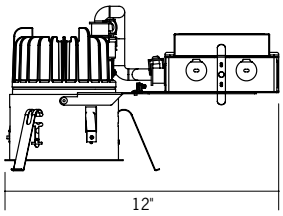
Luminaire	LED Series	Color Temp	Electrical	Dimming
R4SA	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm **5** - 37W, 3200lm **6** - 43W, 3600lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming

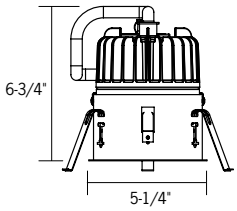
Accessories

HB-30 - T-Bar Hanger Set

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.

4" INTEGRATED LED RECESSED DOWNLIGHTS: REMODEL





- Specification grade 4" remodel housing, 5-1/4" O.D. plaster ring flange. 4-7/8" Ceiling opening.
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use.
- LED drivers are fully accessible from below the ceiling, and can be easily removed
- Quick-connect LED light engine enables easy installation and removal
- Approved for through-circuit wiring. Max.: (4) 12 AWG (2in/2out). Pre-wired junction box with convenient screwdriver pry-outs. (4) 1/2" concentric knockouts.
- Light engine consists of a high output multi-chip LED array arranged into a single LED package, enabling precise optical control without requiring lensing to diffuse multiple LED sources
- Excellent color consistency within a 3-step MacAdam Ellipse tolerance
- All R4RM downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes for your space
- cCSAus Certified to UL Standards. Suitable for damp locations.
- Energy Star certified with the following trims: C4322-PL, C4322-WHT and C4322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA.
- *Photometrics and LM-79 data on page 262; Dimming compatibility on page 222*

Luminaire	LED Series	Color Temp	Electrical	Dimming
R4RM	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm **5** - 37W, 3200lm **6** - 43W, 3600lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.

All specifications subject to change without notice.

C4322

Specification grade specular reflector: narrow beam clear, medium beam clear, wide beam clear, platinum, or white. OD: 5-11/16"; ID: 4-3/8"

Add "–C" after finish code for wet location approved trim. Narrow Beam and White Reflector cannot be wet location approved.

C4322N-CLR* - Narrow Beam (36°), Clear Reflector
C4322M-CLR* - Medium Beam (54°), Clear Reflector
C4322W-CLR* - Wide Beam (80°), Clear Reflector
C4322-PL* - Platinum Reflector
C4322-WHT - White Reflector

**Available with White Painted Flange, add "–WPF" to part number*

C4321

Two piece reflector: clear or white upper reflector, clear or platinum lower cone; Includes (1) LF20-CL glass lens. OD: 5-11/16"; ID: 3-1/2" Approved for dry/damp locations. Approved for wet locations when glass lens is installed.

C4321-CLR-(CLR,PL) - Clear Reflector/Clear or Platinum Lower Cone
C4321-WHT-(CLR,PL) - White Reflector/Clear or Platinum Lower Cone

C4321

Two piece reflector: clear or white upper reflector, black or white lower baffle; Includes (1) LF20-CL glass lens. OD: 5-11/16"; ID: 3-1/2" Approved for dry/damp locations. Approved for wet locations when glass lens is installed.

C4321-CLR-(B,P) - Clear Reflector/Black or White Lower Baffle
C4321-WHT-(B,P) - White Reflector/Black or White Lower Baffle

C4327

Two piece reflector with lens: Clear or white upper reflector, clear or platinum lower cone; regressed prismatic convex glass lens, Wet Location Listed. OD: 5-11/16"; ID: 3-7/8"

C4327-CLR-(CLR,PL) - Clear Reflector/Clear or Platinum Lower Cone
C4327-WHT-(CLR,PL) - White Reflector/Clear or Platinum Lower Cone

C4327

Two piece reflector with lens: Clear or white upper reflector, black or white lower baffle with regressed prismatic convex glass lens; 1-1/2" Regress. Wet Location Listed. OD: 5-11/16"; ID: 3-7/8"

C4327-CLR-(B,P) - Clear Reflector/Black or White Lower Baffle
C4327-WHT-(B,P) - White Reflector/Black or White Lower Baffle

C4323

Lensed Wall Wash Trim; Clear, Platinum or White Reflector. OD: 5-11/16"; ID: 4"

C4323-CLR* - Clear Reflector
C4323-PL* - Platinum Reflector
C4323-WHT - White Reflector

**Available with White Painted Flange, add "–WPF" to part number*

CTR4325L-(CLR, WHT)-P

Floating glass disc; clear or white reflector. 1-1/4" Drop from ceiling. Glass OD: 6".

CTR4326L-(CLR, WHT)-P

Floating glass ring; clear or white reflector. 1-1/4" Drop from ceiling; 3-1/2" center hole. Glass OD: 6".

CTR4324L-(CLR,WHT)-P 1AR4(B,F,G,R,Y)

Single floating colored acrylic ring; clear or white reflector. 1-1/2" Drop from ceiling. Acrylic Ring OD: 6"; ID: 4-3/8".

CTR4324L-(CLR,WHT)-P 2AR4(B,F,G,R,Y)

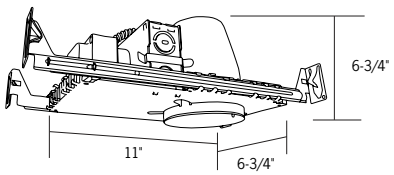
Stacked floating colored acrylic rings; clear or white reflector. 2-3/4" Drop from ceiling. Acrylic Ring OD: 6"; ID: 4-3/8".

Reflector Finishes: -B (black), -CLR (clear reflector), -P (white), -PL (matte platinum), -WHT (white reflector); ***Acrylic Ring Finishes:*** -B (blue), -F (frosted), -G (green), -R (red), -Y (yellow)

All specifications subject to change without notice.

4" LED RECESSED DOWNLIGHTS: NEW CONSTRUCTION

MEGAMAN® LAMP INCLUDED



- Megaman Lamp included
- New Construction housing for use in any type of ceiling application
- For insulated ceilings, maintain a 3" clearance around housing
- Lamp housing is removable through ceiling aperture to access junction box
- Sure-grip springs permit housing to be lowered and precisely adjust to ceiling thicknesses from 1/2" to 1-1/2"
- Dual extension hanger bars span from 15" to 25-1/4" with reversible placement feature Hanger bars may be extended to rest on T-bar grid. Optional clip-on T-bar hangers also available
- Low voltage electronic transformer, 3W minimum load; fully dimmable with electronic low voltage dimmers
- Porcelain halogen socket with spring clip
- Thermal protector
- J-box approved for through circuit wiring; (4) 1/2" knockouts, (2) 3/4" knockouts with spring latch access plates
- City of Chicago approved, CCEA listed, when CP option is selected
- Suitable for damp locations
- Includes energy efficient, 8W MR16 LED lamp designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, Color Rendering Index of 82
- Correlated Color Temperature of 3000K, Color Rendering Index of 82, High CRI of 92+ available
- Correlated Color Temperature of 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 600 (75 Lm/W) for standard CRI; 530 (67Lm/W) for high CRI
- 12° Beam spread with CBCP of 5,500
- 24° Beam spread with CBCP of 3,000 (standard CRI); 2,550 (high CRI)
- 36° Beam spread with CBCP of 1,800 (standard CRI); 1,300 (high CRI)
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- RoHS compliant, contains no lead or mercury
- Dimmable to 10% with a electronic low-voltage (ELV) dimmer. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

Housing	Lamp	
LVR16-TE	**ML1227K**	- 12°, 2700K
	ML1230K	- 12°, 3000K
	ML1235K	- 12°, 3500K
	ML1240K	- 12°, 4000K
	ML2427K	- 24°, 2700K
	ML2430K	- 24°, 3000K
	ML2435K	- 24°, 3500K
	ML2440K	- 24°, 4000K
	ML3627K	- 36°, 2700K
	ML3630K	- 36°, 3000K
	ML3635K	- 36°, 3500K
	ML3640K	- 36°, 4000K
	ML2430K-R9	- 24°, 3000K, 92+ CRI
	ML3630K-R9	- 36°, 3000K, 92+ CRI

Options	
HB-24	- Flat hanger set for use with RL-KIT Length: 27"
HB-30	- Optional T-Bar Hanger Set
HBC-24	- C-channel hanger bar set for use with RL-KIT in grid ceiling construction Length: 25"
CTR18-P	- LV Mono-point Adapter
CP	- Chicago Plenum

All specifications subject to change without notice.

CTR1601SQ-B
Adjustable Black Baffle, Black Trim

CTR1601SQ-P
Adjustable Black Baffle, White Trim

CTR1601SQ-P-WHT
Adjustable White Baffle, White Trim

Deep baffle traps stray light and conceals the lamp. 60° Vertical swing. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. 4-7/8" SQ.; ID: 3-1/2"

CTR1602SQ-B-(BLK,CLR)
Adjustable Multiplier, Black Trim, Black or Clear Reflector

CTR1602SQ-P-(WHT,CLR)
Adjustable Multiplier, White Trim, White or Clear Reflector

Multipliers utilize a highly polished, specular reflector to maximize light intensity while concealing the light source. 38° Vertical adjustment. Trim can hold up to two (2) lenses with stepped lens holder (included). Insert 45mm lens on lower level of lamp seat, insert 50mm lens onto higher level. 4-7/8" SQ.; ID: 3-1/2"

CTR1604-P
Black Baffled Square with White Trim

Deep baffle traps stray light and conceals light source. Downlight or adjustable: up to 35° vertical adjustment. Accepts (1) 45mm lens. 4-3/4" SQ.; Aperture: 2-7/8" SQ.

CTR1629-(B, P)
Black or White Fully Adjustable Square/Square

87° vertical and 359° rotation adjustment. Die- cast aluminum construction. Front access, spring latch lamp retainer ring (black finish). 2-5/8" Drop from ceiling. Will accept (1) 47mm Lens. OD: 4-7/8"

CTR1601-B
Adjustable Black Baffle: Standard Black Trim

CTR1601-P
Adjustable Black Baffle: Standard White Trim

CTR1601-P-WHT
Adjustable White Baffle: Standard White Trim

CTR1601N-P
Adjustable Black Baffle: Narrow White Trim

CTR1601N-P-WHT
Adjustable White Baffle: Narrow White Trim

CTR1601-BA
Adj. Black Baffle: Cast Aluminum Black Trim

CTR1601-PA
Adj. Black Baffle: Cast Aluminum White Trim

CTR1601-PA-WHT
Adj. White Baffle: Cast Aluminum White Trim

Deep baffle traps stray light and conceals lamp. 60° swing adjustment. Trim uses stepped lens holder design and can hold up to two (2) light controlling elements. 45mm lens on lower level of lamp seat, 50mm lens on higher level. ID: 3-1/2"; Standard OD: 5-1/2", Narrow OD: 4-15/16", Cast Aluminum OD: 5-1/8"

CTR1602-P-(BLK, CLR, PL, WHT)
Multiplier: Standard White Trim Ring, Black, Clear, Matte Platinum or White Reflector

CTR1602-B-BLK
Multiplier: Standard Black Trim Ring, Black Reflector

CTR1602-(ST, NK)-CLR
Multiplier: Adjustable Multiplier; Brushed Stainless Steel or Nickel Trim Finish, Clear Reflector

CTR1602N-P-(CLR, WHT)
Multiplier: Narrow White Trim Ring, Clear or White Reflector

CTR1602N-B-BLK
Multiplier: Narrow Black Trim Ring, Black Reflector

CTR1602-PA-(CLR, WHT)
Multiplier: Cast Aluminum White Trim Ring, Clear or White Reflector

Multipliers utilize a highly polished, specular reflector to maximize light intensity while concealing the light source. 35° Swing adjustment. Trim uses stepped lens holder design and can hold up to two (2) light controlling elements. 45mm lens on lower level of lamp seat, 50mm lens on higher level. ID: 3-1/2"; Standard OD: 5-1/2", Narrow OD: 4-15/16", Cast Aluminum OD: 5-1/8"

CTR1608-P
Eyeball; Black Baffle

Up to 45° vertical aiming, 358° rotational adjustment. Black baffle provides excellent cutoff and lamp concealment. Accepts (1) 45mm lens. OD: 5-1/2"; ID: 2-1/8"

CONTINUED>

4" LED RECESSED DOWNLIGHTS: TRIMS

CTR1603-P
Slotted Wall Wash, Standard White Trim
CTR1603N-P
Slotted Wall Wash, Narrow White Trim
CTR1603-PA
Slotted Wall Wash, Cast Aluminum White Trim

Internal 50° swing adjustment, external 358° rotation. Black interior surface. Slot aperture permits maximum beam area adjustment for either wall wash or concealed accent lighting effects. Accepts (1) LF16 Lens. 1-5/16" x 2-1/4" Oblong Slot; Standard OD: 5-1/2", Narrow OD: 4-15/16", Cast Aluminum OD: 5-1/8"

CTR1605-P
Black Baffled Pin Spot
CTR1605-P-WHT
White Baffled Pin Spot

Precise beam spread and unobtrusive appearance. Concealed lamp design for maximum eye comfort. Deep baffle. Trim uses stepped lens holder design and can hold up to two (2) light controlling elements. 45mm lens on lower level of lamp seat,50mm lens on higher level. OD: 4-7/8"; ID: 2"

CTR1613-P
Scoop Wall Wash; Black Baffle
CTR1613-P-WHT
Scoop Wall Wash; White Baffle

For even wall wash light distribution. Accepts (1) 45mm Lens. OD: 4-7/8"; ID: 3-1/4"

CTR1614-P-CLR
Angled Wall Wash; Clear Reflector

Adjustable lampholder; 55-75° aiming angle. Accepts (1) 45mm lens. OD: 5-1/16"; ID: 3-7/16"

CTR1614CL-P-CLR
Angled Wall Wash Shower Trim; Clear Reflector

Die cast aluminum. Clear specular angled reflector. Adjustable lampholder; 55-75° aiming angle. Double neoprene gasketed. Clear glass lens. **Wet location listed**. OD: 5-1/4"; ID: 3-7/16"

CTR1606-(B, P)
Surface Adjustable

45° Max. vertical and 359° rotational aiming. Die- cast aluminum construction. Front access for re-lamping. Accepts (1) 50mm lens. Not compatible with LVR-16 Housing. OD: 4-15/16"; ID: 1-3/4"

CTR1609-P
Surface Adjustable, Cast Black Baffle
CTR1609-P-WHT
Surface Adjustable, Cast White Baffle

Low glare baffle. Downlight or adjustable accent light with up to 35° vertical and 358° rotational adjustment. Accepts (1) 50mm lens. OD: 4-7/8"; ID: 3"

CTR1624- (B, P, NK, ST)
Fully Adjustable Square in Round; Black, White, Nickel, or Brushed Stainless Steel Finish

Unsurpassed aiming flexibility: 87° vertical, 359° rotational. Front access, spring latch lamp retainer ring, black finish (optional white retainer ring available: 1623/224 WHITE, ordered separately). Exclusive stainless flat springs insure firm, close-to-ceiling mounting. Accepts only one 47mm lens; if louver is required (FA-16 45MM), remove safety lens and use front glass MR16 lamp. OD: 5-1/8"; Depth from ceiling: 2-1/2"

CTR1625-(B, P, NK)
Fully Adjustable Round/Round; Black, White, or Nickel Finish

87° vertical and 359° rotation adjustment. Die-cast aluminum construction. Will accept (1) 47mm lens. Front access, spring latch lamp retainer ring, black finish (optional white retainer ring available: 1623/224 WHITE, ordered separately). OD: 5-1/8"; Depth from Ceiling: 2-3/4"

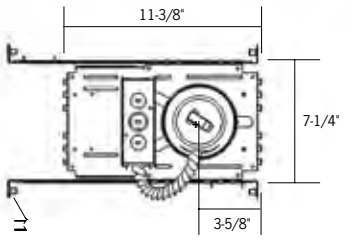
CTR1635-P
Fully Adjustable Round/Round, White

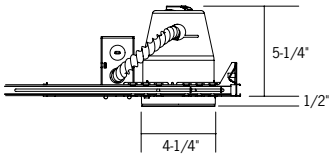
Exceptional aiming flexibility with 87° vertical, 359° rotation adjustment. Die-cast aluminum construction. Front access, spring latch lamp retainer ring, black finish (optional white retainer ring available: 1623/224 WHITE, ordered separately). Maximum depth from ceiling: 2-3/4". Accepts only one 47mm lens; if louver is required (FA-16 45MM), remove safety lens and use front glass MR16 lamp. OD: 5-1/8"; Depth from ceiling: 2-3/4"

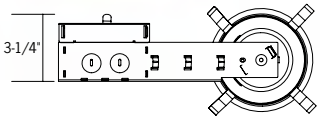
All specifications subject to change without notice.

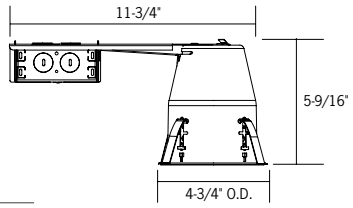
4" LED RECESSED DOWNLIGHTS: GU10 HOUSINGS

- Megaman Lamp included
- Includes energy efficient, Energy Star Listed, 7W PAR16 LED lamp, GU10 Base
- Designed to last 25,000 hours
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, Color Rendering Index of 82
- Correlated Color Temperature of 3000K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Lumen output = 530 (76 Lumens per Watt)
- 35° Beam spread with CBCP of 600
- Durable die-cast aluminum housing with lens to protect the LEDs and reflector
- Dimmable to 10% with forward phase/TRIAC dimming.
- For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps.
- Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- ***New Construction Housing:*** For use in hard and grid type ceilings with direct contact with insulation materials. White painted steel lamp housing and galvanized steel mounting frame. Lamp housing is removable through ceiling aperture to access junction box. Housing adjusts to various ceiling thicknesses with three (3) screws. Dual extension hanger bars span from 15" to 25-1/4" with reversible placement feature. Hanger bars may be extended to rest on T-bar grid. Porcelain socket. J-box has (4) 1/2" pryouts, (2) 1/2"x 3/4" concentric pryouts, and (4) sheathed cable pryouts. Spring latch access covers. Approved for through branch circuit wiring. Max.: (8) 12AWG (4 in/4out), Min. 75°C permitted. cCSAus Certified to UL Standards. Suitable for damp locations. Conforms to Washington State Energy Code (WSEC) for low air infiltration. Tested in accordance with ASTM E283 (2.0 CFM or less).
- ***Remodel Housing:*** For use in hard and grid type ceilings with direct contact with insulation materials. White painted steel lamp housing and galvanized steel junction box and support arm. Retractable mounting clips lock luminaire in place to allow easy installation into existing ceiling. Porcelain socket. J-box has (6) 1/2" pryouts and (4) sheathed cable pryouts. Spring latch access covers. Min. 75°C wire permitted. cCSAus Certified to UL Standards. Suitable for damp locations. Conforms to Washington State Energy Code (WSEC) for low air infiltration. Tested in accordance with ASTM E283 (2.0 CFM or less).
- Refer to photometrics section for lamp performance data









Housing	Lamp	New Construction Housing Options
RL16G-ICSA - New Construction **RL16GR-ICSA** - Remodel	**ML05-3527K** - 35°, 2700K **ML05-3530K** - 35°, 3000K **ML05-3540K** - 35°, 4000K	**HB-30** - Optional T-Bar Hanger Set **CP** - Chicago Plenum

4" LED GU10 RECESSED DOWNLIGHTS: TRIMS

CTR1601-B
Adjustable Black Baffle: Standard Black Trim

CTR1601-P
Adjustable Black Baffle: Standard White Trim

CTR1601-P-WHT
Adjustable White Baffle: Standard White Trim

Deep baffle traps stray light and conceals lamp. 60° swing adjustment. Trim uses stepped lens holder design and can hold up to two (2) light controlling elements. 45mm lens on lower level of lamp seat, 50mm lens on higher level. ID: 3-1/2"; OD: 5-1/2"

CTR1603-P
Slotted Wall Wash, Standard White Trim

Internal 50° swing adjustment, external 358° rotation. Black interior surface. Slot aperture permits maximum beam area adjustment for either wall wash or concealed accent lighting effects. Accepts (1) LF16 Lens. 1-5/16" x 2-1/4" Oblong Slot; OD: 5-1/2"

CTR1604-P
Black Baffled Square with White Trim

Deep baffle traps stray light and conceals light source. Downlight or adjustable: up to 35° vertical adjustment. Accepts (1) 45mm lens. 4-3/4" SQ.; Aperture: 2-7/8" SQ.

CTR1608-P
Eyeball; Black Baffle

Up to 45° vertical aiming, 358° rotational adjustment. Black baffle provides excellent cutoff and lamp concealment. Accepts (1) 45mm lens. OD: 5-1/2"; ID: 2-1/8"

CTR1614-P-CLR
Angled Wall Wash; Clear Reflector

Adjustable lampholder; 55-75° aiming angle. Accepts (1) 45mm lens. OD: 5-1/16"; ID: 3-7/16"

CTR1614CL-P-CLR
Angled Wall Wash Shower Trim; Clear Reflector

Die cast aluminum. Clear specular angled reflector. Adjustable lampholder; 55-75° aiming angle. Double neoprene gasketed. Clear glass lens. **Wet location listed**. OD: 5-1/4"; ID: 3-7/16"

CTR1602-P-(BLK, CLR, PL, WHT)
Multiplier: Standard White Trim Ring, Black, Clear, Matte Platinum or White Reflector

CTR1602-B-BLK
Multiplier: Standard Black Trim Ring, Black Reflector

CTR1602-(ST, NK)-CLR
Multiplier: Adjustable Multiplier; Brushed Stainless Steel or Nickel Trim Finish, Clear Reflector

Multipliers utilize a highly polished, specular reflector to maximize light intensity while concealing the light source. 35° Swing adjustment. Trim uses stepped lens holder design and can hold up to two (2) light controlling elements. 45mm lens on lower level of lamp seat, 50mm lens on higher level. ID: 3-1/2"; OD: 5-1/2"

CTR1605-P
Black Baffled Pin Spot

CTR1605-P-WHT
White Baffled Pin Spot

Precise beam spread and unobtrusive appearance. Concealed lamp design for maximum eye comfort. Deep baffle. Trim uses stepped lens holder design and can hold up to two (2) light controlling elements. 45mm lens on lower level of lamp seat,50mm lens on higher level. OD: 4-7/8"; ID: 2"

CTR1609-P
Surface Adjustable, Cast Black Baffle

CTR1609-P-WHT
Surface Adjustable, Cast White Baffle

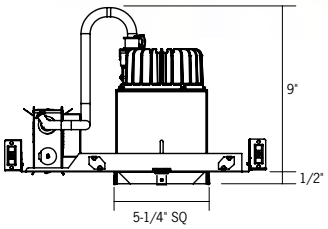
Low glare baffle. Downlight or adjustable accent light with up to 35° vertical and 358° rotational adjustment. Accepts (1) 50mm lens. OD: 4-7/8"; ID: 3"

CTR1624G- (B, P)
Fully Adjustable Square in Round; Black or White Finish

Unsurpassed aiming flexibility: 87° vertical, 359° rotational. Front access, spring latch lamp retainer ring. Exclusive stainless flat springs insure firm, close-to-ceiling mounting. Accepts only one 47mm lens. OD: 5-1/8"; Depth from ceiling: 2-1/2"

All specifications subject to change without notice.

4" LED SQUARE RECESSED DOWNLIGHT: NEW CONSTRUCTION HOUSING



- Specification grade 4" Square New Construction housing delivering over 3600lm
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation and may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Mounting frame features a post installation mechanism that allows 1/4" adjustment in all directions, as well as 5° of rotation adjustment to ensure proper alignment.
- Quick-connect LED light engine enables easy installation and removal.
- LED Drivers are fully accessible from below the ceiling and can be easily removed.
- Optional emergency battery pack with remote test switch is available
- Utilizes glass TIR optics engineered to provide smooth uniform beams, maximizing output and minimizing glare.
- Available in Narrow, Medium and Wide beam distributions. A high efficiency soft-focus film is installed for even greater softening of beam [field removable].
- Light engine consists of a high output multi-chip LED array. Excellent color consistency within a 3-step MacAdam Ellipse tolerance.
- All R4SQNC downlights are available for non-dimming and dimming applications.
- Specification Grade trims are available in several different styles and finishes for your space. Featuring a high quality Alzak™ finish; optically designed for reduced glare while maintaining maximum lumen output.
- cCSAus Certified to UL Standards. Suitable for wet locations.
- cCSAus Certified to UL924 Standard for Emergency Lighting when specified with the emergency battery backup option
- Assembled in the USA
- *Photometrics and LM-79 data on page 263; Dimming compatibility on page 222*

Housing	LED Series	Color Temp	Electrical
R4SQNC	**1** - 10W, 1000lm	**27K** - 2700K, 83 CRI	**12** - 120V
	2 - 14W, 1400lm	**30K** - 3000K, 83 CRI	**27** - 277V
	3 - 20W, 2000lm	**35K** - 3500K, 83 CRI	
	4 - 28W, 2600lm	**40K** - 4000K, 83 CRI	
	5 - 37W, 3200lm	**27KC** - 2700K, 90+ CRI	
	6 - 43W, 3600lm	**30KC** - 3000K, 90+ CRI	
		35KC - 3500K, 90+ CRI	
		40KC - 4000K, 90+ CRI	

Dimming		Beam Dist.	Options
D[1]	- Triac, ELV, 0-10V Dimming	**N** - Narrow	**ER**[5] - Factory Installed 7W/200mA Emergency Battery Backup (Remote Test Switch)
D3[2]	- Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only)	**M** - Medium	
		W - Wide	
		WW - Wall Wash	
D4	- Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming		
D6[3]	- eldoLED ECOdrive, 0-10V, 1% Dimming		
D7[3]	- eldoLED ECOdrive, DALI, 1% Dimming		
D8[3]	- eldoLED SOLOdrive, 0-10V, 0.1% Dimming		
D9[3]	- eldoLED SOLOdrive, DALI, 0.1% Dimming		
DMX[3,4]	- eldoLED POWERDRIVE, DMX 0.0% Dimming		

Accessories

Standard Hanger Bars Supplied with Housing

4SQOPT-N - 33° Narrow Beam Optic
4SQOPT-M - 39° Medium Beam Optic
4SQOPT-W - 73° Wide Beam Optic
RL-KIT - Commercial Mounting Brackets
HB-24 - 27" Flat Hanger Bars for RL-KIT
HBC-24 - 25" C-Channel Hanger Bars for RL-KIT in Grid Ceiling Construction
HB-30 - T-Bar Hanger Set

1. Triac and ELV Dimming For 120V Only.
2. Lutron Hi-lume Dimming Only Available in 120V.
3. eldoLED Drivers are Programmed for Linear Curve Dimming as Standard. For Logarithmic Curve Dimming, Please Consult Factory.
4. Verify DMX Driver and Control System Compatibility with Factory Prior to Ordering.
5. Emergency Battery Backup Option: 725 Lumen Nominal Average For Any Series 1 Through 6.

4" LED SQUARE RECESSED DOWNLIGHTS: TRIMS

C4322SQ

Specification grade segmented reflector; available in anodized clear specular, anodized platinum and painted matte white finishes.

Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

C4322SQ-CLR* - Clear Specular Reflector
C4322SQ-PL* - Platinum Reflector
C4322SQ-WHT - Matte White Painted Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

C4323SQ

Lensed wall wash trim; available in anodized clear specular, anodized platinum and painted matte white finishes, with angled diffuse glass spread lens.

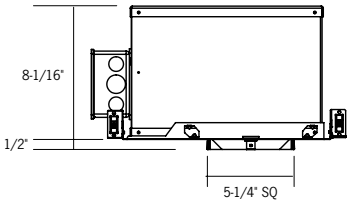
Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

C4323SQ-CLR* - Clear Specular Reflector
C4323SQ-PL* - Platinum Reflector
C4323SQ-WHT - White Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

All specifications subject to change without notice.

4" LED SQUARE RECESSED DOWNLIGHT: IC/STOPAIRE® HOUSING



- Specification grade 4" Square Insulated Ceiling/StopAire® housing delivers over 2600 lumens
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- For use in applications with direct contact with insulation materials
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation and may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Mounting frame features a post installation mechanism that allows 1/4" adjustment in all directions, as well as 5° of rotation adjustment to ensure proper alignment
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Utilizes glass TIR optics engineered to provide smooth uniform beams, maximizing output and minimizing glare
- Available in Narrow, Medium and Wide beam distributions
- Light engine consists of a high output multi-chip LED array. Excellent color consistency within a 3-step MacAdam Ellipse tolerance.
- All R4SQIC downlights are available for non-dimming and dimming applications
- Specification Grade trims are available in several different styles and finishes for your space. Featuring a high quality Alzak™ finish; optically designed for reduced glare while maintaining maximum lumen output.
- cCSAus Certified to UL Standards. Suitable for wet locations.
- Conforms to Washington State Energy Code (WSEC) for low air infiltration
- Tested in accordance with ASTM E283 (2.0 CFM or less)
- Assembled in the USA
- *Photometrics and LM-79 data on page 263; Dimming compatibility on page 222*

Luminaire	LED Series	Color Temp	Dimming	Beam Dist.
R4SQIC - Insulated Ceiling	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm	**27K** - 2700K, 83 CRI **30K** - 3000K, 83 CRI **35K** - 3500K, 83 CRI **40K** - 4000K, 83 CRI **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming **DMX**[3,4] - eldoLED POWERDRIVE, DMX 0.0% Dimming	**N** - Narrow **M** - Medium **W** - Wide **WW** - Wall Wash

Accessories

Standard hanger bars supplied with luminaire.

HB-30 - T-Bar Hanger Set
4SQOPT-N - 33° Narrow Beam Optic
4SQOPT-M - 39° Medium Beam Optic
4SQOPT-W - 73° Wide Beam Optic

1. Triac and ELV Dimming For 120V Only.
2. Lutron Hi-lume Dimming Only Available in 120V.
3. eldoLED Drivers are Programmed for Linear Curve Dimming as Standard. For Logarithmic Curve Dimming, Please Consult Factory.
4. Verify DMX Driver and Control System Compatibility with Factory Prior to Ordering.

4" LED SQUARE RECESSED DOWNLIGHTS: TRIMS

C4322SQ

Specification grade segmented reflector; available in anodized clear specular, anodized platinum and painted matte white finishes.

Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

C4322SQ-CLR* - Clear Specular Reflector
C4322SQ-PL* - Platinum Reflector
C4322SQ-WHT - Matte White Painted Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

C4323SQ

Lensed wall wash trim; available in anodized clear specular, anodized platinum and painted matte white finishes, with angled diffuse glass spread lens.

Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

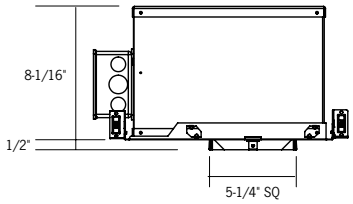
C4323SQ-CLR* - Clear Specular Reflector
C4323SQ-PL* - Platinum Reflector
C4323SQ-WHT - White Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

All specifications subject to change without notice.

4" LED SQUARE RECESSED DOWNLIGHT: STOPAIRE® HOUSING

- Specification grade 4" Square StopAire® housing delivering over 3600lm
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Mounting frame features a post installation mechanism that allows 1/4" adjustment in all directions, as well as 5° of rotation adjustment to ensure proper alignment
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Utilizes glass TIR optics engineered to provide smooth uniform beams, maximizing output and minimizing glare
- Available in Narrow, Medium and Wide beam distributions
- Light engine consists of a high output multi-chip LED array. Excellent color consistency within a 3-step MacAdam Ellipse tolerance.
- All R4SQSA downlights are available for non-dimming and dimming applications
- Specification Grade trims are available in several different styles and finishes for your space. Featuring a high quality Alzak™ finish; optically designed for reduced glare while maintaining maximum lumen output
- cCSAus Certified to UL Standards. Suitable for wet locations.
- Chicago Plenum CCEA Listed
- Assembled in the USA
- *Photometrics and LM-79 data on page 263; Dimming compatibility on page 222*



Luminaire	LED Series	Color Temp	Electrical	Dimming	Beam Dist.	Options
R4SQSA - StopAire®	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm **5** - 37W, 3200lm **6** - 43W, 3600lm	**27K** - 2700K, 83 CRI **30K** - 3000K, 83 CRI **35K** - 3500K, 83 CRI **40K** - 4000K, 83 CRI **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming **DMX**[3,4] - eldoLED POWERDRIVE, DMX 0.0% Dimming	**N** - Narrow **M** - Medium **W** - Wide **WW** - Wall Wash	**CP** - Chicago Plenum

Accessories

Standard hanger bars supplied with luminaire.

HB-30 - T-Bar Hanger Set
4SQOPT-N - 33° Narrow Beam Optic
4SQOPT-M - 39° Medium Beam Optic
4SQOPT-W - 73° Wide Beam Optic

1. Triac and ELV Dimming For 120V Only.
2. Lutron Hi-lume Dimming Only Available in 120V.
3. LED Series 6 is not available with eldoLED Dimming options. eldoLED Drivers are Programmed for Linear Curve Dimming as Standard. For Logarithmic Curve Dimming, Please Consult Factory.
4. Verify DMX Driver and Control System Compatibility with Factory Prior to Ordering.

4" LED SQUARE RECESSED DOWNLIGHTS: TRIMS

C4322SQ

Specification grade segmented reflector; available in anodized clear specular, anodized platinum and painted matte white finishes.

Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

C4322SQ-CLR* - Clear Specular Reflector
C4322SQ-PL* - Platinum Reflector
C4322SQ-WHT - Matte White Painted Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

C4323SQ

Lensed wall wash trim; available in anodized clear specular, anodized platinum and painted matte white finishes, with angled diffuse glass spread lens.

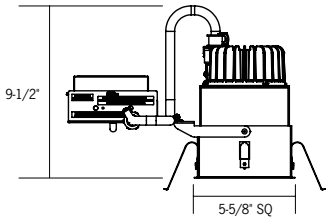
Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

C4323SQ-CLR* - Clear Specular Reflector
C4323SQ-PL* - Platinum Reflector
C4323SQ-WHT - White Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

All specifications subject to change without notice.

4" LED SQUARE RECESSED DOWNLIGHT: REMODEL HOUSING



- Specification grade 4" Square Remodel housing, delivering over 3600lm
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use.
- Heavy duty steel plaster ring is secured to ceiling by three (3) spring clamps
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Utilizes glass TIR optics engineered to provide smooth uniform beams, maximizing output and minimizing glare
- Available in Narrow, Medium and Wide beam distributions
- Light engine consists of a high output multi-chip LED array. Excellent color consistency within a 3-step MacAdam Ellipse tolerance.
- All R4SQRM downlights are available for non-dimming and dimming applications
- Specification Grade trims are available in several different styles and finishes for your space. Featuring a high quality Alzak™ finish; optically designed for reduced glare while maintaining maximum lumen output
- cCSAus Certified to UL Standards. Suitable for wet locations.
- Assembled in the USA
- *Photometrics and LM-79 data on page 263; Dimming compatibility on page 222*

Luminaire	LED Series	Color Temp	Electrical	Dimming	Beam Dist.
R4SQRM - Remodel Housing	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm **5** - 37W, 3200lm **6** - 43W, 3600lm	**27K** - 2700K, 83 CRI **30K** - 3000K, 83 CRI **35K** - 3500K, 83 CRI **40K** - 4000K, 83 CRI **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming **DMX**[3,4] - eldoLED POWERDRIVE, DMX 0.0% Dimming	**N** - Narrow **M** - Medium **W** - Wide **WW** - Wall Wash

Accessories

4SQOPT-N - 33° Narrow Beam Optic
4SQOPT-M - 39° Medium Beam Optic
4SQOPT-W - 73° Wide Beam Optic

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.
4. Verify DMX Driver and Control System Compatibility with Factory Prior to Ordering.

4" LED SQUARE RECESSED DOWNLIGHTS: TRIMS

C4322SQ

Specification grade segmented reflector; available in anodized clear specular, anodized platinum and painted matte white finishes.

Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

C4322SQ-CLR* - Clear Specular Reflector
C4322SQ-PL* - Platinum Reflector
C4322SQ-WHT - Matte White Painted Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

C4323SQ

Lensed wall wash trim; available in anodized clear specular, anodized platinum and painted matte white finishes, with angled diffuse glass spread lens.

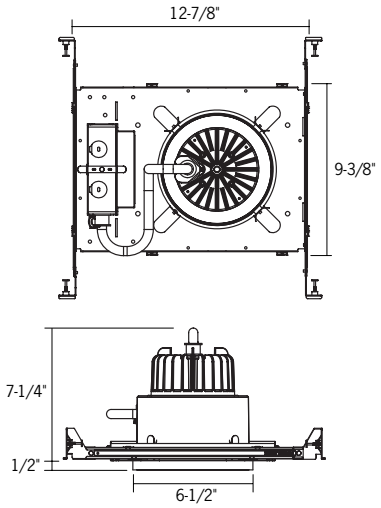
Trim flange: 5-3/4" sq.; Aperture: 4-1/2" sq.

C4323SQ-CLR* - Clear Specular Reflector
C4323SQ-PL* - Platinum Reflector
C4323SQ-WHT - White Reflector

**Available with White Painted Flange, add "-WPF" to trim part number*

All specifications subject to change without notice.

6" INTEGRATED LED RECESSED DOWNLIGHTS: NEW CONSTRUCTION



- Specification grade 6" housing, 6-1/2" aperture. 6-5/8" Ceiling opening
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation; may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling, and can be easily removed
- Approved for through-circuit wiring. Max: (8) 12AWG (4in/4out)
- Pre-wired junction box with convenient screwdriver pry-outs. (6) 1/2" and (1) 1/2" x 3/4" concentric knockout.
- Optional emergency battery pack with remote test switch is available
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control. Excellent color consistency with a 3-step MacAdam Ellipse tolerance.
- All R6 downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes for your space
- CSAus Certified to UL Standards, Suitable for damp locations
- cCSAus Certified to UL924 Standard for Emergency Lighting
- Energy Star certified with the following trims: C6322-PL, C6322-WHT and C6322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 265; Dimming compatibility on page 222*

Luminaire	LED Series	Color Temp	Electrical	Dimming	—	Options
R6NC	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm **5** - 37W, 3200lm **6** - 43W, 3600lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming		**SD347**[4] - Step Down (347V to 120V) Magnetic Transformer **ER**[4,5] - Factory Installed 7W/200mA Emergency Battery Backup [Remote Test Switch]

Accessories

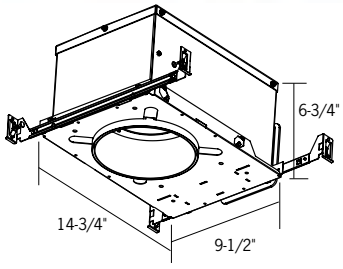
RL-KIT - Commercial Mounting Brackets
HB-24 - 27" Flat Hanger Bars for RL-KIT
HBC-24 - 25" C-Channel Hanger Bars for RL-KIT in Grid Ceiling Construction
HB-30 - T-Bar Hanger Set
RSA6L-5-WHT - Slope Ceiling Adapter 5° Pitch, Matte White Paint
RSA6L-10-WHT - Slope Ceiling Adapter 10° Pitch, Matte White Paint
RSA6L-15-WHT - Slope Ceiling Adapter 15° Pitch, Matte White Paint
RSA6L-20-WHT - Slope Ceiling Adapter 20° Pitch, Matte White Paint
RSA6L-25-WHT - Slope Ceiling Adapter 25° Pitch, Matte White Paint
RSA6L-30-WHT - Slope Ceiling Adapter 30° Pitch, Matte White Paint

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.
4. 347V Step down transformer option can be used with ER Emergency Battery Backup option. Order part number as -SD347-ER.
5. Emergency battery backup option: 725 lumen nominal average for any Series 1 through 6.

All specifications subject to change without notice.

6" INTEGRATED LED RECESSED DOWNLIGHTS: INSULATED CEILING

- Specification grade 6" housing, 6-1/2" aperture. 6-5/8" Ceiling opening
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- For use in applications with direct contact with insulation materials
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation; may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Approved for through-circuit wiring. Max: (8) 12AWG (4in/4out). Wiring should be rated for at least 75°C.
- Pre-wired junction box with knockouts: (6) 1/2" and (1) 1/2" x 3/4" concentric pry-out.
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control.
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- All R6IC downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes for your space
- CSAus Certified to UL Standards, Suitable for damp locations
- Conforms to Washington State Energy Code (WSEC) for low air infiltration; Tested in accordance with ASTM E283 (2.0 CFM or less)
- Energy Star certified with the following trims: C6322-PL, C6322-WHT and C6322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 265; Dimming compatibility on page 222*

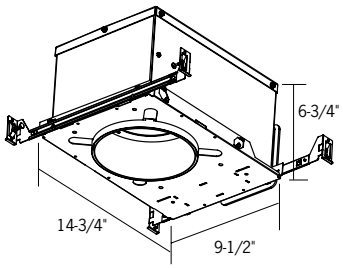


Luminaire	LED Series	Color Temp	Dimming
R6IC	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**MVD**[1] - Triac, ELV, 0-10V Dimming **12D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **MVD4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **MVD6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **MVD7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **MVD8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **MVD9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming

Accessories
HB-30 - T-Bar Hanger Set

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.

6" INTEGRATED LED RECESSED DOWNLIGHTS: STOPAIRE®



- Specification grade 6" housing, 6-1/2" aperture. 6-5/8" Ceiling opening.
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation; may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Approved for through-circuit wiring. Max: (8) 12AWG (4in/4out). Wiring should be rated for at least 75°C.
- Pre-wired junction box with (6) 1/2" and (1) 1/2" x 3/4" concentric knockouts
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control. Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- All R6SA downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes for your space
- CSAus Certified to UL Standards, Suitable for damp locations
- Conforms to Washington State Energy Code (WSEC) for low air infiltration. Tested in accordance with ASTM E283 (2.0 CRM or less).
- Chicago Plenum CCEA Listed
- Energy Star certified with the following trims: C6322-PL, C6322-WHT and C6322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 265; Dimming compatibility on page 222*

Luminaire	LED Series	Color Temp	Electrical	Dimming
R6SA	**1** - 10W, 1000lm **2** - 14W, 1400lm **3** - 20W, 2000lm **4** - 28W, 2600lm **5** - 37W, 3200lm **6** - 43W, 3600lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming

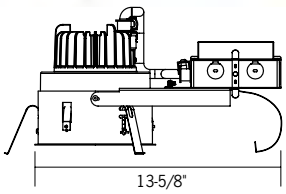
Accessories

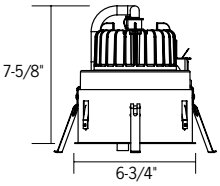
HB-30 - T-Bar Hanger Set

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.

All specifications subject to change without notice.

- Specification grade 6" housing, 6-1/2" aperture. 6-5/8" Ceiling opening.
- 16 Gauge galvanized steel housing with die-cast aluminum heat sink
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Heavy duty steel plaster ring is secured to ceiling by three (3) spring clamps
- LED module/trim assembly is held in place with three (3) "trim lock" dimpled spring clips
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Approved for through-circuit wiring. Max: (4) 12AWG (2in/2out).; wiring should be rated for at least 75°C
- Pre-wired junction box with convenient screwdriver pry-outs: (4) 1/2" and (1) 1/2" x 3/4" concentric pry-out
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control. Excellent color consistency with a 3-step MacAdam Ellipse tolerance.
- All R6RM downlights are available for non-dimming and dimming applications
- Trims are available in several different styles and finishes
- CSAus Certified to UL Standards, Suitable for damp locations
- Energy Star certified with the following trims: C6322-PL, C6322-WHT and C6322-CLR (all beam distributions). The –C option is not certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 265; Dimming compatibility on page 222*





Luminaire	LED Series	Color Temp	Electrical	Dimming
R6RM	**1** - 10W, 1000lm	**27K** - 2700K	**12** - 120V	**D**[1] - Triac, ELV, 0-10V Dimming
	2 - 14W, 1400lm	**30K** - 3000K	**27** - 277V	**D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only)
	3 - 20W, 2000lm	**35K** - 3500K		
	4 - 28W, 2600lm	**40K** - 4000K		**D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming
	5 - 37W, 3200lm	**27KC** - 2700K, 90+ CRI		**D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming
	6 - 43W, 3600lm	**30KC** - 3000K, 90+ CRI		**D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming
		35KC - 3500K, 90+ CRI		**D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming
		40KC - 4000K, 90+ CRI		**D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming

1. Triac Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V
3. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.

6" INTEGRATED LED RECESSED DOWNLIGHTS: TRIMS

C6322

Specification grade specular reflector: narrow beam clear, medium beam clear, wide beam clear, platinum, or white. OD: 7"; ID: 5-3/4"

Add "–C" after finish code for wet location approved trim.

C6322N-CLR* - Narrow Beam (34°), Clear Reflector
C6322M-CLR* - Medium Beam (65°), Clear Reflector
C6322W-CLR* - Wide Beam (75°), Clear Reflector
C6322-PL* - Platinum Reflector
C6322-WHT - White Reflector

**Available with White Painted Flange, add "–WPF" to part number*

C6321

Two piece reflector: clear or white upper reflector, clear or platinum lower cone; Includes (1) LF20-CL glass lens. OD: 7"; ID: 5-3/4" Approved for dry/damp locations. Approved for wet locations when glass lens is installed.

C6321-CLR-(CLR,PL) - Clear Reflector/Clear or Platinum Lower Cone
C6321-WHT-(CLR,PL) - White Reflector/Clear or Platinum Lower Cone

C6321

Two piece reflector: clear or white upper reflector, black or white lower baffle; Includes (1) LF20-CL glass lens. OD: 7"; ID: 5-3/4" Approved for dry/damp locations. Approved for wet locations when glass lens is installed.

C6321-CLR-(B,P) - Clear Reflector/Black or White Lower Baffle
C6321-WHT-(B,P) - White Reflector/Black or White Lower Baffle

C6327

Two piece reflector with lens: Clear or white upper reflector, clear or platinum lower cone; regressed prismatic convex glass lens, Wet Location Listed. OD: 7"; ID: 5-3/4"

C6327-CLR-(CLR,PL) - Clear Reflector/Clear or Platinum Lower Cone
C6327-WHT-(CLR,PL) - White Reflector/Clear or Platinum Lower Cone

C6327

Two piece reflector with lens: Clear or white upper reflector, black or white lower baffle with regressed prismatic convex glass lens; 1-1/2" Regress. Wet Location Listed. OD: 7"; ID: 5-3/4"

C6327-CLR-(B,P) - Clear Reflector/Black or White Lower Baffle
C6327-WHT-(B,P) - White Reflector/Black or White Lower Baffle

C6323

Lensed Wall Wash Trim; Clear, Platinum or White Reflector. OD: 7"; ID: 5-5/8"

C6323-CLR* - Clear Reflector
C6323-PL* - Platinum Reflector
C6323-WHT - White Reflector

**Available with White Painted Flange, add "–WPF" to part number*

CTR6325L2-(CLR, WHT)-P

Floating glass disc; clear or white reflector. 1-1/4" Drop from ceiling. Glass OD: 8-3/4".

CTR6326L2-(CLR, WHT)-P

Floating glass ring; clear or white reflector. 1-1/4" Drop from ceiling; 3-1/2" center hole. Glass OD: 8-3/4".

CTR6324L2-(CLR,WHT)-P 1AR6(B,F,G,R,Y)

Single floating colored acrylic ring; clear or white reflector. 1-1/2" Drop from ceiling. Acrylic Ring OD: 8-5/8"; ID: 6-1/8".

CTR6324L2-(CLR,WHT)-P 2AR6(B,F,G,R,Y)

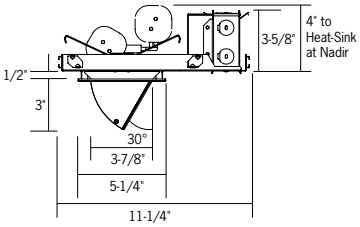
Stacked floating colored acrylic rings; clear or white reflector. 2-3/4" Drop from ceiling. Acrylic Ring OD: 8-5/8"; ID: 6-1/8".

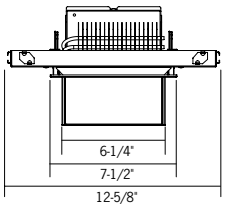
Reflector Finishes: -B (black), -CLR (clear reflector), -P (white), -PL (matte platinum), -WHT (white reflector); ***Acrylic Ring Finishes:*** -B (blue), -F (frosted), -G (green), -R (red), -Y (yellow)

All specifications subject to change without notice.

6" LED RECESSED WALL LIGHTER: NEW CONSTRUCTION HOUSING

- High performance LED luminaire delivering up to 5900 lumens in a smooth wide beam providing excellent uniformity; well suited for any wall lighting application
- Specification grade 6" housing; 16 gauge galvanized steel
- Die-cast aluminum pull-down head and trim frame
- Requires minimum 3" clearance around luminaire from insulation material; Thermal protection provided in case of improper insulation use
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation; may be extended to rest on T-bar ceilings.
- Unique heat pipe/radiator-finned heat sink provides exceptional heat dissipation ensuring long life and consistent performance
- Constant tension pull-down head with vertical adjustment from 0° - 60° for aiming ease
- Locking mechanism features graduations for consistent aiming
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling, and can be easily removed
- UL8750 and Class 2 Compliant, RoHS Compliant.
- Output over-voltage, over-current and short circuit protection
- Approved for through-circuit wiring. Max: (8) 12AWG (4in/4out); Wiring should be rated for at least 90°C
- Pre-wired junction box with convenient screwdriver pry-outs. (2) 1/2" and (2) 1/2" x 3/4" concentric knockout
- Optional emergency battery pack with remote test switch is available
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen maintenance
- All R6W downlights are available for non-dimming and dimming applications
- cCSAus Certified to UL Standards. Suitable for damp locations.
- CSA spacing requirements for Series' 5 and 6 luminaires: Minimum of 2' between luminaire centers, 3" overhead clearance, and 1' from luminaire center to side wall
- Assembled in the USA.
- cCSAus Certified to UL924 Standard for Emergency Lighting when provided with battery pack
- Energy Star Certified. eldoLED Dimming options are not certified.
- *Photometrics and LM-79 data on page 264; Dimming compatibility on page 223*





Luminaire	LED Series	Color Temp	Electrical	Dimming	Finish	Options
R6WNC	**1** - 20W, 2200lm **2** - 28W, 3000lm **3** - 35W, 4100lm **4** - 41W, 4700lm **5** - 47W, 5400lm **6** - 57W, 5900lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2,3] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[3] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[3] - eldoLED SOLOdrive, DALI, 0.1% Dimming	**B** - Black **P** - White	**ER**[4] - Factory Installed 7W/200mA Emergency Battery Backup (Remote Test Switch)

Accessories

RL-KIT	- Commercial Mounting Brackets
HB-24	- 27" Flat Hanger Bars for RL-KIT
HBC-24	- 25" C-Channel Hanger Bars for RL-KIT in Grid Ceiling Construction
HB-30	- T-Bar Hanger Set
FA-19-(B, P)	- Accessory Holder
FA-53-(B, P)	- Snoot*
FA-54	- Honeycomb Louver*
LF49-**	- Tempered Glass Lenses*

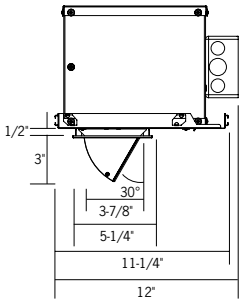
**FA-19 is required*

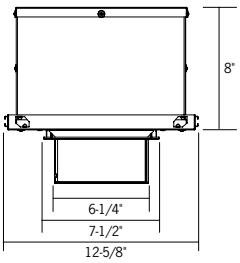
1. Triac and ELV Dimming for 120V only
2. D3 Lutron Hi-Lume dimming only available in 120V
3. Not available for use with LED Series 5 or 6
4. Emergency Battery Backup Option: 85 lumen nominal average for any Series 1 through 6

***Color/Pattern Legend **-A** (Amber), **-B** (Blue), **-CL** (Clear), **-G** (Green), **-DPE** (Dichroic Peach), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow), **-73** (Spread Lens), **-LSV** (Linear Spread Lens, Vertical), **-LSH** (Linear Spread Lens, Horizontal), **-SL** (Soft Light), **-SOL** (Solite), **-UV** (Optivex UV Filter)*

All specifications subject to change without notice.

6" LED RECESSED WALL LIGHTER: INSULATED CEILING/STOPAIRE® HOUSING





- High performance LED luminaire delivering up to 3100 lumens in a smooth wide beam providing excellent uniformity; well suited for any wall lighting application
- Specification grade 6" Insulated Ceiling, StopAire® housing; 16 gauge galvanized steel
- Die-cast aluminum pull-down head and trim frame
- For use in applications with direct contact with insulation materials
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation; may be extended to rest on T-bar ceilings.
- Unique heat pipe/radiator-finned heat sink provides exceptional heat dissipation ensuring long life and consistent performance
- Constant tension pull-down head with vertical adjustment from 0° - 60° for aiming ease
- Locking mechanism features graduations for consistent aiming
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling, and can be easily removed
- UL8750 and Class 2 Compliant, RoHS Compliant
- Output over-voltage, over-current and short circuit protection
- Approved for through-circuit wiring. Max: (8) 12AWG (4in/4out); Wiring should be rated for at least 90°C
- Pre-wired junction box with (8) 1/2" and (4) 3/4" knockouts
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen maintenance
- All R6W downlights are available for non-dimming and dimming applications
- cCSAus Certified to UL Standards. Suitable for damp locations
- Conforms to Washington State Energy Code (WSEC) for low air infiltration. Tested in accordance with ASTM E283 (2.0 CFM or less)
- Energy Star Certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 264; Dimming compatibility on page 223*

Luminaire	LED Series	Color Temp	Dimming	Finish
R6WIC	**1** - 20W, 2200lm **2** - 28W, 3000lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**MVD**[1] - Triac, ELV, 0-10V Dimming **12D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **MVD4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **MVD6** - eldoLED ECOdrive, 0-10V, 1% Dimming **MVD7** - eldoLED ECOdrive, DALI, 1% Dimming **MVD8** - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **MVD9** - eldoLED SOLOdrive, DALI, 0.1% Dimming	**B** - Black **P** - White

Accessories

HB-30 - T-Bar Hanger Set
FA-19-(B, P) - Accessory Holder
FA-53-(B, P) - Snoot*
FA-54 - Honeycomb Louver*
LF49-** - Tempered Glass Lenses*
**FA-19 is required*

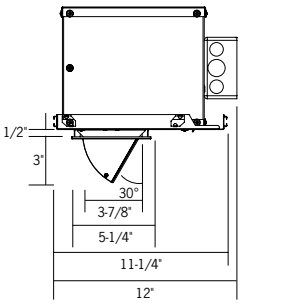
1. Triac and ELV Dimming for 120V only
2. D3 Lutron Hi-Lume dimming only available in 120V

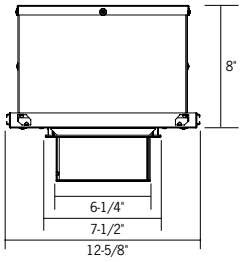
***Color/Pattern Legend **-A** (Amber), **-B** (Blue), **-CL** (Clear), **-G** (Green), **-DPE** (Dichroic Peach), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow), **-73** (Spread Lens), **-LSV** (Linear Spread Lens, Vertical), **-LSH** (Linear Spread Lens, Horizontal), **-SL** (Soft Light), **-SOL** (Solite), **-UV** (Optivex UV Filter)*

All specifications subject to change without notice.

6" LED RECESSED WALL LIGHTER: STOPAIRE® HOUSING

- High performance LED luminaire delivering up to 5400 lumens in a smooth wide beam providing excellent uniformity; well suited for any wall lighting application
- Specification grade 6" housing; 16 gauge galvanized steel
- Die-cast aluminum pull-down head and trim frame
- Requires minimum 3" clearance around luminaire from insulation material.
- Thermal protection provided in case of improper insulation use
- Dual nailer hanger bars are adjustable for 16" and 24" center joists (14-1/4" to 24-1/2"). Nailer bars enable easy installation; may be extended to rest on T-bar ceilings.
- Unique heat pipe/radiator-finned heat sink provides exceptional heat dissipation ensuring long life and consistent performance
- Constant tension pull-down head with vertical adjustment from 0° - 60° for aiming ease
- Locking mechanism features graduations for consistent aiming
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling, and can be easily removed
- UL8750 and Class 2 Compliant, RoHS Compliant
- Output over-voltage, over-current and short circuit protection
- Approved for through-circuit wiring. Max: (8) 12AWG (4in/4out); Wiring should be rated for at least 90°C
- Pre-wired junction box with (8) 1/2" and (4) 3/4" knockouts
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen maintenance
- All R6W downlights are available for non-dimming and dimming applications
- cCSAus Certified to UL Standards. Suitable for damp locations
- CSA Spacing requirements for Series 5 luminaire: Minimum of 2' between luminaire centers, 0.5" (1/2") overhead clearance, and 1' from luminaire center to side wall
- Conforms to Washington State Energy Code (WSEC) for low air infiltration. Tested in accordance with ASTM E283 (2.0 CFM or less)
- Chicago Plenum CCEA Listed
- Energy Star Certified. eldoLED Dimming options are not certified.
- Assembled in the USA
- *Photometrics and LM-79 data on page 264; Dimming compatibility on page 223*





Luminaire	LED Series	Color Temp	Electrical	Dimming	Finish
R6WSA	**1** - 20W, 2200lm **2** - 28W, 3000lm **3** - 35W, 4100lm **4** - 41W, 4700lm **5** - 47W, 5400lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2,3] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4**[3] - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[4] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[4] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[4] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[4] - eldoLED SOLOdrive, DALI, 0.1% Dimming	**B** - Black **P** - White

Accessories

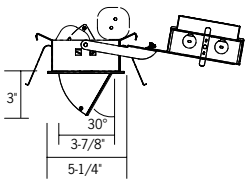
HB-30 - T-Bar Hanger Set
FA-19-(B, P) - Accessory Holder
FA-53-(B, P) - Snoot*
FA-54 - Honeycomb Louver*
LF49-** - Tempered Glass Lenses*
**FA-19 is required*

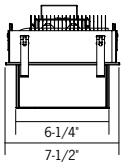
1. Triac and ELV Dimming for 120V only
2. D3 Lutron Hi-Lume dimming only available in 120V
3. Not available for use with LED Series 5
4. Not available for use with LED Series 4 or 5

***Color/Pattern Legend **-A** (Amber), **-B** (Blue), **-CL** (Clear), **-G** (Green), **-DPE** (Dichroic Peach), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow), **-73** (Spread Lens), **-LSV** (Linear Spread Lens, Vertical), **-LSH** (Linear Spread Lens, Horizontal), **-SL** (Soft Light), **-SOL** (Solite), **-UV** (Optivex UV Filter)*

All specifications subject to change without notice.

6" LED RECESSED WALL LIGHTER: REMODEL HOUSING





- High performance LED luminaire delivering over 4700 lumens in a smooth wide beam providing excellent uniformity; well suited for any wall lighting application
- Specification grade 6" housing; 16 gauge galvanized steel mounting frame
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Unique heat pipe/radiator-finned heat sink provides exceptional heat dissipation ensuring long life and consistent performance
- Constant tension pull-down head with vertical adjustment from 0° - 60° for aiming ease
- Locking mechanism features graduations for consistent aiming
- Quick-connect LED light engine enables easy installation and removal
- LED Drivers are fully accessible from below the ceiling and can be easily removed
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- System designed and rated for 50,000 hours at 70% lumen maintenance
- All R6W downlights are available for non-dimming and dimming applications
- cCSAus Certified to UL Standards. Suitable for damp locations.
- Energy Star certified. eldoLED dimming options are not Energy Star certified.
- Assembled in the USA.
- *Photometrics and LM-79 data on page 264; Dimming compatibility on page 223*

Luminaire	LED Series	Color Temp	Electrical	Dimming	Finish
R6WRM	**1** - 20W, 2200lm **2** - 28W, 3000lm **3** - 35W, 4100lm **4** - 41W, 4700lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming **D6**[3,4] - eldoLED ECOdrive, 0-10V, 1% Dimming **D7**[3,4] - eldoLED ECOdrive, DALI, 1% Dimming **D8**[4] - eldoLED SOLOdrive, 0-10V, 0.1% Dimming **D9**[4] - eldoLED SOLOdrive, DALI, 0.1% Dimming **DMX**[5] - eldoLED POWERdrive, DMX, 0.0% Dimming	**B** - Black **P** - White

Accessories

FA-19-(B, P) - Accessory Holder
FA-53-(B, P) - Snoot*
FA-54 - Honeycomb Louver*
LF49-** - Tempered Glass Lenses*
**FA-19 is required*

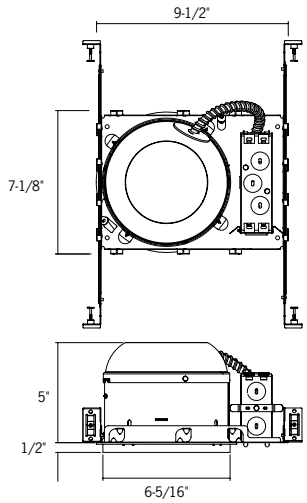
1. TRIAC and ELV Dimming for 120V Only.
2. D3 Lutron option only available in 120V.
3. Not available for use with LED Series 4.
4. eldoLED Drivers are programmed for linear curve dimming as standard. For logarithmic curve dimming, please consult factory.
5. Verify DMX driver and control system compatibility with factory prior to ordering.

***Color/Pattern Legend **-A** (Amber), **-B** (Blue), **-CL** (Clear), **-G** (Green), **-DPE** (Dichroic Peach), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow), **-73** (Spread Lens), **-LSV** (Linear Spread Lens, Vertical), **-LSH** (Linear Spread Lens, Horizontal), **-SL** (Soft Light), **-SOL** (Solite), **-UV** (Optivex UV Filter)*

All specifications subject to change without notice.

6" LED NEW CONSTRUCTION IC STOPAIRE® INTEGRATED RECESSED DOWNLIGHT

- Performance LED luminaire delivering up to 1200 lumens in a smooth wide beam
- For use in applications with direct contact with insulation materials
- Aluminum housing with galvanized steel mounting frame
- Prewired junction box with convenient screwdriver pry-outs: (6) 1/2", (1) 1/2"x3/4" concentric and (4) Romex pryouts. Spring-latch access plates.
- Quick-connect push-in wire connectors provided. Approved for through-circuit wiring. Max: (8) #12 AWG (4 in/4 out).
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- Precisely engineered optical system consists of an aluminum reflector and highly transmissive diffusion lens. The system provides a smooth uniform beam while eliminating view of LED array.
- A wide distribution is provided as standard. Accessory optical systems with different beam distributions are available, please consult factory
- System designed and rated for 50,000 hours at 70% lumen maintenance.
- All RL38 LED downlights are available for non-dimming and dimming applications
- Many trim options available to complement any design style, see page109
- cCSAus Certified to UL Standards. Suitable for damp locations.
- Conforms to Washington State Energy code (WSEC) for low air infiltration; Tested in accordance with ASTM E283 (2.0 CRM or less)
- Assembled in the USA.
- *Dimming compatibility on page 224*



Luminaire	LED Series	Color Temp	Dimming
RL38IC	**1** - 11W, 900lm **2** - 15W, 1200lm	**27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**MVD**[1] - Triac, ELV, 0-10V Dimming **12D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **MVD4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming

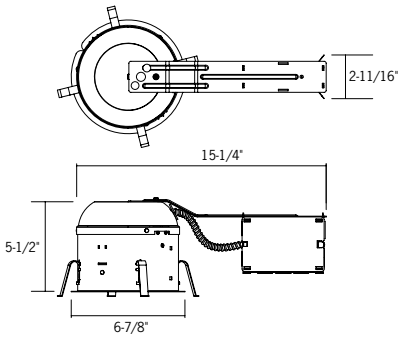
Accessories

Standard Hanger Bars Supplied with Housing
HB-30 - T-Bar Hanger Set

1. Triac and ELV Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V

All specifications subject to change without notice.

6" LED REMODEL IC STOPAIRE® INTEGRATED RECESSED DOWNLIGHT



- Performance LED luminaire delivering up to 1200 lumens in a smooth wide beam
- Aluminum housing and heat-sink with galvanized steel mounting arm and junction box
- For use in applications with direct contact with insulation materials
- Housing secured to ceiling by three (4) spring clamps
- Pre-wired junction box with convenient screwdriver pry-outs. (6) 1/2" and (1) 1/2" x 3/4" concentric pry-out and (4) Romex pry-outs
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- Precisely engineered optical system consists of an aluminum reflector and highly transmissive diffusion lens. The system provides a smooth uniform beam while eliminating view of LED array.
- A wide distribution is provided as standard. Accessory optical systems with different beam distributions are available. Please consult factory.
- System designed and rated for 50,000 hours at 70% lumen maintenance
- All RL38 LED downlights are available for non-dimming and dimming applications.
- Many trim options available to complement any design style, see page 109
- cCSAus Certified to UL Standards. Suitable for damp locations.
- Conforms to Washington State Energy code (WSEC) for low air infiltration; tested in accordance with ASTM E283 (2.0 CRM or less).
- Assembled in the USA
- *Dimming compatibility on page 224*

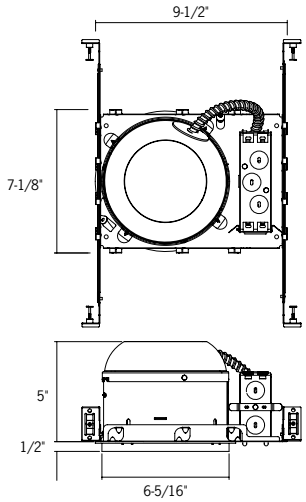
Luminaire	LED Series	Color Temp	Dimming
RL38ICR	**1** - 11W, 900lm **2** - 15W, 1200lm	**27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**MVD**[1] - Triac, ELV, 0-10V Dimming **12D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **MVD4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming

1. Triac and ELV Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V

All specifications subject to change without notice.

6" LED NEW CONSTRUCTION STOPAIRE® NON-IC INTEGRATED RECESSED DOWNLIGHT

- Performance LED luminaire delivering up to 1600 lumens in a smooth wide beam
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Aluminum housing with galvanized steel mounting frame
- Prewired junction box with convenient screwdriver pry-outs: (6) 1/2", (1) 1/2"x3/4" concentric and (4) Romex pryouts. Spring-latch access plates. Quick-connect push-in wire connectors provided. Approved for through-circuit wiring. Max: (8) #12 AWG (4 in/4 out).
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- Precisely engineered optical system consists of an aluminum reflector and highly transmissive diffusion lens. The system provides a smooth uniform beam while eliminating view of LED array.
- A wide distribution is provided as standard. Accessory optical systems with different beam distributions are available, please consult factory.
- System designed and rated for 50,000 hours at 70% lumen maintenance
- All RL38 LED downlights are available for non-dimming and dimming applications.
- Many trim options available to complement any design style, see page 109
- cCSAus Certified to UL Standards. Suitable for damp locations.
- Conforms to Washington State Energy code (WSEC) for low air infiltration, tested in accordance with ASTM E283 (2.0 CRM or less)
- Assembled in the USA
- *Dimming compatibility on page 224*



Luminaire	LED Series	Color Temp	Electrical	Dimming	Options
RL38SA	**1** - 11W, 900lm **2** - 15W, 1200lm **3** - 22W, 1600lm	**27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming	**CP**[3] - Chicago Plenum **ER**[4] - Factory Installed 7W/200mA Emergency Battery Backup [Remote Test Switch]

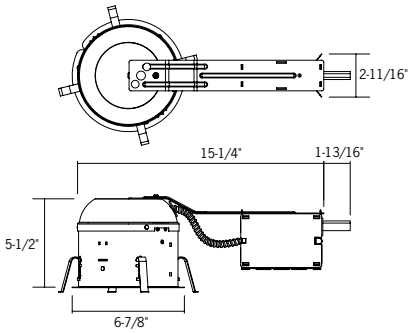
Accessories

Standard Hanger Bars Supplied with Housing
HB-30 - T-Bar Hanger Set

1. TRIAC and ELV Dimming for 120V only.
2. Lutron Hi-Lume dimming only available in 120V.
3. Chicago Plenum option is not available with D3 or D4 dimming. Chicago Plenum option cannot be used with Emergency Battery Backup option.
4. Emergency Battery Backup option: 640 Lumen nominal average for either Series 1, 2, or 3

All specifications subject to change without notice.

6" LED REMODEL STOPAIRE® NON-IC INTEGRATED RECESSED DOWNLIGHT



- Performance LED luminaire delivering up to 1600 lumens in a smooth wide beam
- Aluminum housing and heat-sink with galvanized steel mounting arm and junction box
- Requires minimum 3" clearance around luminaire from insulation material; thermal protection provided in case of improper insulation use
- Housing secured to ceiling by four (4) spring clamps
- Pre-wired junction box with convenient screwdriver pry-outs. (6) 1/2" and (1) 1/2" x 3/4" concentric pry-out and (4) Romex pry-outs
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 3-step MacAdam Ellipse tolerance
- Precisely engineered optical system consists of an aluminum reflectorand highly transmissive diffusion lens. The system provides a smooth uniform beam while eliminating view of LED array.
- A wide distribution is provided as standard. Accessory optical systems with different beam distributions are available. Please consult factory.
- System designed and rated for 50,000 hours at 70% lumen maintenance
- All RL38 LED downlights are available for non-dimming and dimming applications
- Many trim options available to complement any design style, see page 109
- cCSAus Certified to UL Standards. Suitable for damp locations.
- Conforms to Washington State Energy code (WSEC) for low air infiltration; tested in accordance with ASTM E283 (2.0 CRM or less)
- Assembled in the USA
- *Dimming compatibility on page 224*

Luminaire	LED Series	Color Temp	Electrical	Dimming
RL38SAR	**1** - 11W, 900lm **2** - 15W, 1200lm **3** - 22W, 1600lm	**27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V **27** - 277V	**D**[1] - Triac, ELV, 0-10V Dimming **D3**[2] - Lutron Hi-Lume 1% 2-Wire LED Driver (120V Forward Phase Only) **D4** - Lutron Hi-Lume 1% Eco-System LED Driver with Soft-On, Fade-to-Black Dimming

1. Triac and ELV Dimming for 120V only
2. Lutron Hi-Lume dimming only available in 120V

All specifications subject to change without notice.

CTR1903-P
Scoop Wall Wash

White beveled steel trim ring. Polyethylene sponge gaskets. (2) Butterfly spring clips, heat-treated steel. All steel construction. OD: 8-1/8", 2-1/2" x 4-3/4" Aperture

CTR1912-P
Albalite Shower Light Trim

Wet location listed. Beveled white steel trim ring. Polyethylene sponge gaskets. Flat opal Albalite glass. (2) Butterfly spring clips, heat treated steel. OD: 8-1/8", ID: 5"

CTR1913-P
Fresnel Shower Light Trim

Wet location listed. Beveled white steel trim ring. Polyethylene sponge gaskets. Flat, clear Fresnel glass lens. (2) Butterfly spring clips, heat treated steel. OD: 8-1/8", ID: 5"

CTR1916-P
Drop Opal Shower Light Trim: Glass lens, 1" drop, beveled white steel trim ring

CTR1916-PP
Drop Opal Shower Light Trim: Plastic lens, 1-1/2" drop, beveled high-heat ABS trim ring

Wet location listed. Polyethylene sponge gaskets. (2) Butterfly spring clips, heat treated steel. OD: 7-7/8", ID: 5"

CTR3001-B
Black Baffle, Black Trim

CTR3001-P
Black Baffle, White Trim

CTR3001-WHT
White Baffle, White Trim

White high heat rated ABS beveled trim ring. (2) Double coiled heat-treated steel spring clips. Tapered steel baffle. OD: 7-1/2"; ID: 5-3/4"

CTR3001H-P
Black Baffle, Matte White Trim

CTR3001H-WHT
White Baffle, Matte White Trim

Helical Phenolic Baffle. Steel Trim Ring. (2) Coiled spring clips. OD: 7-1/2"; ID: 5-3/4"

CTR3002-B-BLK
Black Specular Reflector, Black Trim

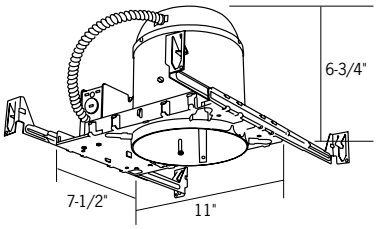
CTR3002-(BLK, CLR, PL)
Black, Clear Specular or Platinum Reflector, White Trim

CTR3002-WHT
White Multiplier, White Trim

White high heat rated ABS beveled trim ring. (2) Double coiled heat-treated steel spring clips. Tapered steel specular reflector on "BLK" finishes. Tapered aluminum specular reflector on "CLR" and "WHT" finishes. OD: 7-1/8"; ID: 5-3/4"

6" UNIVERSAL NEW CONSTRUCTION LED RECESSED DOWNLIGHTS

MEGAMAN® LAMP INCLUDED



Aperture Size: 6-5/16"
Ceiling Opening: 6-1/2"

- Megaman Lamp included
- White steel housing
- Requires minimum 3" clearance around luminaire from insulation material
- Dual extension bars are adjustable for 16" and 24" center joists. Nailer bar hangers for easy installation. Hanger bars may be extended to rest on T-bar ceilings.
- Adjustable socket mounting plate, vertical position
- Pre-wired junction box with convenient screwdriver knockouts: (6) 1/2", (1) 1/2" x 3/4" concentric and (4) Romex knockouts. Approved for through-branch (4 in/4 out) (8) #12 AWG wiring.
- Spring-latch access plates and quick connect push-in wires provided
- Suitable for damp locations
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data

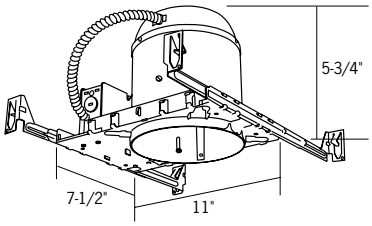
Housing	Lamp
RL38	**ML11-1527K** - 15W, 15°, 2700K
RL38-CP - Chicago Plenum	**ML11-1530K** - 15W, 15°, 3000K
	ML11-1535K - 15W, 15°, 3500K
	ML11-1540K - 15W, 15°, 4000K
	ML14-2527K - 18W, 25°, 2700K
	ML14-2530K - 18W, 25°, 3000K
	ML14-2535K - 18W, 25°, 3500K
	ML14-2540K - 18W, 25°, 4000K
	ML14-4527K - 18W, 45°, 2700K
	ML14-4530K - 18W, 45°, 3000K
	ML14-4535K - 18W, 45°, 3500K
	ML14-4540K - 18W, 45°, 4000K
	ML21-3527K - 20W, 35°, 2700K
	ML21-3530K - 20W, 35°, 3000K
	ML21-3535K - 20W, 35°, 3500K
	ML21-3540K - 20W, 35°, 4000K

Options	
CTR618	- 6" Round Line Voltage Adapter Plate
HB-30	- 30" T-Bar Hanger Set
RL-725-(B,P)	- Minimum Trim Ring for 6" Trim, 7-1/4" O.D.
RL-75-(B,P)	- Replacement Trim Ring for 6" Trim, 7-1/2" O.D.
RL-08-(B,P)	- Oversized Trim Ring for 6" Trim, 7-13/16" O.D.

All specifications subject to change without notice.

MEGAMAN® LAMP INCLUDED

- Megaman Lamp included
- Galvanized steel construction
- Dual extension bars are adjustable for 16" and 24" center joists. Nailer bar hangers for easy installation. Hanger bars may be extended to rest on T-bar ceilings. Locking screw for bar hangers.
- Adjustable socket mounting plate, vertical position
- Conforms to Washington State Energy code (WSEC) for low air infiltration
- Pre-wired junction box with convenient screwdriver knockouts: (4) 1/2", (1) 1/2" x 3/4" concentric and (4) Romex knockouts. Approved for through-branch (4 in/4 out) (8) #12 AWG wiring.
- Spring-latch access plates and quick connect push-in wires provided
- Suitable for damp locations
- Includes one (1) energy efficient, 15W, 18W, or 20W PAR38 LED lamp
- Color management system maintains color consistency over time and temperature
- Correlated Color Temperature of 2700K, 3000, and 3500K, Color Rendering Index of 82
- Correlated Color Temperature of 4000K, Color Rendering Index of 85
- Designed to last 25,000 hours
- RoHS compliant, contains no lead or mercury
- **15W PAR38 Lamp**:
  Lumen output = 1150 (77 Lumens per Watt)
  15° Beam spread, 13,000 CBCP
- **18W PAR38 Lamp**:
  Lumen output = 1400 (78 Lumens per Watt)
  25° Beam spread, 8,700 CBCP
  45° Beam spread, 2,950 CBCP
- **20W PAR38 Lamp**:
  Lumen output = 2100 (105 Lumens per Watt)
  35° Beam spread, 7,000 CBCP
- Dimmable to 10% with forward phase/TRIAC dimming. For optimal performance, use forward phase/TRIAC dimmer specifically designed for LED lamps. Dimming performance may vary due to field conditions, including but not limited to, power quality, installation and wiring, and variations in dimmer production. Please reference the dimmer manufacturer's instructions for dimmer installation and further information.
- Refer to photometrics section for lamp performance data



Aperture Size: 6-3/8"
Ceiling Opening: 6-1/2"

Housing	Lamp
RL38-ICESA	**ML11-1527K** - 15W, 15°, 2700K
	ML11-1530K - 15W, 15°, 3000K
	ML11-1535K - 15W, 15°, 3500K
	ML11-1540K - 15W, 15°, 4000K
	ML14-2527K - 18W, 25°, 2700K
	ML14-2530K - 18W, 25°, 3000K
	ML14-2535K - 18W, 25°, 3500K
	ML14-2540K - 18W, 25°, 4000K
	ML14-4527K - 18W, 45°, 2700K
	ML14-4530K - 18W, 45°, 3000K
	ML14-4535K - 18W, 45°, 3500K
	ML14-4540K - 18W, 45°, 4000K
	ML21-3527K - 20W, 35°, 2700K
	ML21-3530K - 20W, 35°, 3000K
	ML21-3535K - 20W, 35°, 3500K
	ML21-3540K - 20W, 35°, 4000K

Options	
CTR618	- 6" Round Line Voltage Adapter Plate
HB-30	- 30" T-Bar Hanger Set
RL-725-(B,P)	- Minimum Trim Ring for 6" Trim, 7-1/4" O.D.
RL-75-(B,P)	- Replacement Trim Ring for 6" Trim, 7-1/2" O.D.
RL-08-(B,P)	- Oversized Trim Ring for 6" Trim, 7-13/16" O.D.

6" UNIVERSAL NEW CONSTRUCTION LED RECESSED DOWNLIGHT TRIMS

CTR1901-B-CLR
Black Baffle, Clear Reflector, Black Trim Ring

CTR1901-CLR
Black Baffle, Clear Reflector

CTR1901-WHT
White Baffle, White Reflector

White high heat rated ABS beveled trim ring. Specular aluminum reflector. (3) Heat-treated steel spring reflector clips. OD: 7-1/2", ID: 5-5/8"

CTR3001-B
Black Baffle, Black Trim

CTR3001-P
Black Baffle, White Trim

CTR3001-WHT
White Baffle, White Trim

CTR3801-B
Black Baffle, Black Trim

CTR3801-P
Black Baffle, White Trim

CTR3801-WHT
White Baffle, White Trim

White high heat rated ABS beveled trim ring. (2) Double coiled heat-treated steel spring clips. Tapered steel baffle. OD: 7-1/2" (CTR3001), 7-3/4" (CTR3801); ID: 5-3/4"

CTR6001AT-(B, WHT)
Self flanged, air-tight, tapered baffle.
Black Baffle/Trim Ring or White Baffle/Trim Ring

OD: 7-1/2", ID: 5-3/4"

CTR3000-P
Open Trim

CTR3800-P

Open Trim
Painted white steel beveled trim ring. Two double coiled heat-treated steel spring clips. Polyethylene sponge gaskets. OD: 8", ID: 3-7/8"

CTR3007-P
Recessed Gimbal; Black Baffle, White Trim

CTR3007-WHT
Recessed Gimbal; White Baffle, White Trim

CTR3807-P
Recessed Gimbal; Black Baffle, White Trim

CTR3807-WHT
Recessed Gimbal; White Baffle, White Trim

23° Vertical adjustment. Flat, high heat ABS white trim ring. (3) Leaf reflector clips, spring steel, heat-treated. Steel baffle construction. Steel gimbal construction. (1) Steel, heat-treated lamp retaining spring. OD: 7-1/2"; ID: 4" (CTR3007), 4-3/4" (CTR3807)

CTR3002-B-BLK
Black Specular Reflector, Black Trim

CTR3002-BLK
Black Specular Reflector, White Trim

CTR3002-CLR
Clear Specular Reflector, White Trim

CTR3002-WHT
White Multiplier, White Trim

CTR3802-B-BLK
Black Specular Reflector, Black Trim

CTR3802-BLK
Black Specular Reflector, White Trim

CTR3802-CLR
Clear Specular Reflector, White Trim

CTR3802-WHT
White Multiplier, White Trim

White high heat rated ABS beveled trim ring. (2) Double coiled heat-treated steel spring clips. Tapered steel specular reflector on "BLK" finishes. Tapered aluminum specular reflector on "CLR" and "WHT" finishes. OD: 7-1/8"; ID: 5-3/4"

CTR1902-(CLR, WHT)
A-Lamp Multiplier, Clear or White Reflector

White high heat rated ABS beveled trim ring. Specular aluminum reflector. (3) Heat-treated steel spring pressure clips.
OD: 7-1/8", ID: 5-5/8"

CTR1903-P
Scoop Wall Wash

White beveled steel trim ring. Polyethylene sponge gaskets. (2) Butterfly spring clips, heat-treated steel. All steel construction.
OD: 8-1/8", 2-1/2" x 4-3/4" Aperture

CTR3008-P
Eyeball, White Trim

35° Vertical adjustment. Beveled steel trim ring. Polyethylene sponge gaskets. (2) Butterfly spring clips, heat-treated steel. Steel eyeball construction. OD: 8"; ID: 4"

CTR3009-WHT
Regressed Eyeball; White Baffle

30° Vertical adjustment. Flat, high-heat ABS white trim ring. (3) Leaf reflector clips: spring steel, heat-treated, black oxidation plated. White aluminum tapered baffle. White steel eyeball construction. OD: 7-1/2", ID: 4"

All specifications subject to change without notice.

6" UNIVERSAL NEW CONSTRUCTION LED RECESSED DOWNLIGHT TRIMS

CTR1912-P
Albalite Shower Light Trim

Wet location listed. Beveled white steel trim ring. Polyethylene sponge gaskets. Flat opal Albalite glass. (2) Butterfly spring clips, heat treated steel. OD: 8-1/8", ID: 5"

CTR1913-P
Fresnel Shower Light Trim

Wet location listed. Beveled white steel trim ring. Polyethylene sponge gaskets. Flat, clear Fresnel glass lens. (2) Butterfly spring clips, heat treated steel. OD: 8-1/8", ID: 5"

CTR1916-P
Drop Opal Shower Light Trim: Glass lens, 1" drop, beveled white steel trim ring

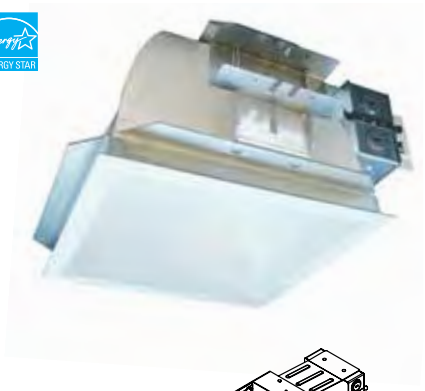
CTR1916-PP
Drop Opal Shower Light Trim: Plastic lens, 1-1/2" drop, beveled high-heat ABS trim ring

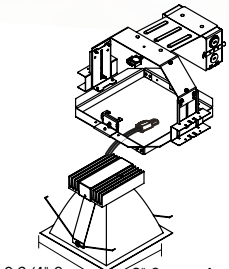
Wet location listed. Polyethylene sponge gaskets. (2) Butterfly spring clips, heat treated steel. OD: 7-7/8", ID: 5"

CTR62250-WHT
Self Flanged Heat Lamp

White steel trim. OD: 7-1/4", ID: 5-3/4"

8" SQUARE LED RECESSED DOWNLIGHT





- Commercial grade 8" square housing; Ceiling opening: 9-1/8" square
- Designed for new construction, solid or suspended ceilings, up to 7/8" thick
- Supplied with fully adjustable mounting brackets that will accept 1-1/2" C channel mounting bars
- Light engine consists of a single, high output multi-chip LED array enabling precise optical control
- Excellent color consistency with a 4-step MacAdam Ellipse tolerance
- Color temperature: 4000K; Consult factory for other color temperatures
- CRI: 80 minimum, 83 typical
- System designed and rated for 50,000 hours at 70% lumen maintenance
- Delivered Lumens: 3400 at 40 watts; Minimum efficacy: 85Lm/W
- Optional emergency battery pack with test switch is available
- Self flanged aluminum trim, painted white finish open reflector
- Energy Star Approved
- Suitable for damp locations

Housing	Driver
RL8SQLED40K	**12D** - 120V **27D** - 277V

Options

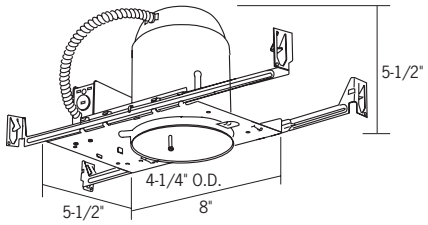
- No Battery Back-Up, Leave Blank
EBL - Factory Installed 7W/300mA Emergency Battery Back-Up with Remote Test Switch
EBLIS - Factory Installed 7W/300mA Emergency Battery Back-Up with Inside Test Switch

900 Lumens nominal delivered when in battery backup mode

All specifications subject to change without notice.

gift cards

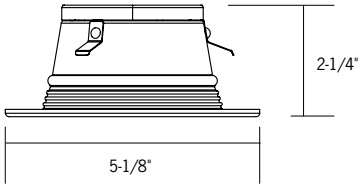
4" DEDICATED LED NEW CONSTRUCTION STOPAIRE® IC RATED RECESSED DOWNLIGHT HOUSING



- Compact 4" dedicated LED module downlight housing for new construction applications; may be used with drywall, plaster or suspended ceilings, 1/2" to 1-1/2" thick
- The standard new construction housing may be used in applications with direct contact with insulation materials
- Aluminum and galvanized steel construction
- Nailer bar hangers for easy installation, integral holding spikes for convenient mounting
- Dual extension bars adjustable for 16" and 24" center joists
- Hanger bars may be extended to rest on T-bar ceilings; optional clip-on T-bar hangers are also available
- Input Voltage: 120V AC, 60Hz
- Max. 13W LED retrofit trim module
- Pre-wired junction box with spring-latch access plates
- Approved for through-circuit wiring. Max (8) #12 AWG (4-in/4-out)
- Junction box has (6) 1/2" pry-outs, (1) 3/4" concentric pry-out and (4) Romex pry-outs
- Includes male IDEAL® 182 luminaire connector for connection to LED trim module
- Compatible with RF4 Series LED trim modules
- Suitable for damp locations

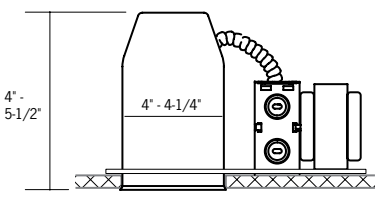
Housing		Options	
RL20L-ICSA	- New Construction	**HB-20**	- 20" T-Bar Hanger Set
RL20L-ICSA-R	- Remodel Version (Not Shown)	**HB-30**	- 30" T-Bar Hanger Set

4" LED RETROFIT TRIM MODULES



- 4" LED recessed downlight retrofit modules for use in new construction and retrofit light commercial and residential applications. Compatible with most 4" recessed downlights (refer to housing size compatibility at left).
- Reflector and trim ring are integral and fabricated of heavy gage aluminum
- The reflector is available in matte white or platinum haze finish. Both reflector options include the trim ring in matte white.
- E26 medium screw base or GU24 base harness adapters provide easy installation into new constructions or retrofit applications
- Friction clips secure module in housing
- Optical acrylic diffusion lens produces high lumen transmission and even illumination
- Multiple LED chips with excellent color consistency
- 13W, 800 Delivered Lumen output
- Available in 2700K and 3000K color temperatures
- Direct 120VAC design – no driver needed providing for a smaller, lighter design with less components
- Triac and ELV dimmable
- Suitable for use in wet locations
- Energy Star listed
- Housing Compatibility: Module will fit in housings with the dimensional space shown to the left. E26 socket, GU24 base or male IDEAL® 182 quick-connect connector are required.

Housing Compatibility

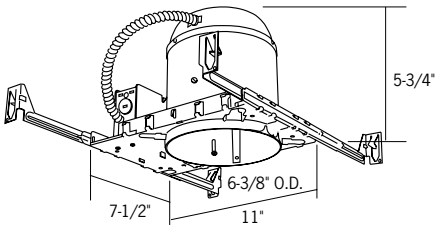


Module	Color Temp	CRI	Dimming	Finish
RF4L1	**27K** - 2700K **30K** - 3000K	**C** - 90 CRI	**E** - E26 Base Adapter **G** - GU24 Base Adapter	**PL** - Platinum Haze Reflector/ White Trim Ring **WHT** - White Reflector/ White Trim Ring

All specifications subject to change without notice.

6" DEDICATED LED NEW CONSTRUCTION STOPAIRE® IC RATED RECESSED DOWNLIGHT HOUSING

- Will work in ceiling thickness from 1/2" - 1-3/4"
- Aluminum and galvanized steel construction
- Dual Extension bars adjustable for 16" and 24" center joists (14-1/4" – 24-1/2")
- Nailer bar hangers with locking screw for easy installation. Hanger bars may be extended to rest on T-bar ceilings. Optional clip-on T-bar hangers also available.
- Input Voltage: 120V AC, 60Hz
- Max. 21W LED Retrofit trim module
- Prewired junction box with convenient screwdriver pry-outs: (4) 1/2", (1) 1/2" x 3/4" concentric and (4) Romex knockouts
- Spring-latch access plates
- Quick-connect push-in wire connectors provided
- Approved for through-circuit wiring. Max: (8) #12 AWG (4 in/4 out)
- Includes male IDEAL® 182 luminaire connector for connection to LED trim module
- Compatible with RF6L1 and RF6M1 LED Trim Modules
- Suitable for damp locations

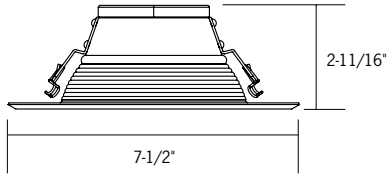


Housing	
RL38L-ICSA	- New Construction
RL38L-ICSA-R	- Remodel (Not Shown)

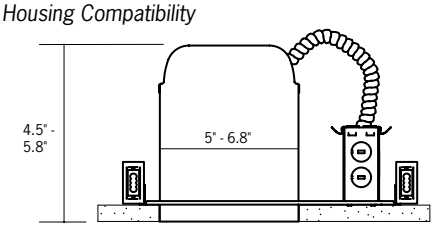
Options	
HB-30	- 30" T-Bar Hanger Set

6" LED RETROFIT TRIM MODULES

- 6" LED recessed downlight retrofit modules for use in new construction and retrofit light commercial and residential applications. Compatible with most 5" and 6" recessed downlights (refer to housing size compatibility at right).
- Reflector and trim ring are integral and fabricated of heavy gage aluminum
- The reflector is available in matte white or platinum haze finish. Both reflector options include the trim ring in matte white.
- E26 medium screw base or GU24 base harness adapters provide easy installation into new constructions or retrofit applications
- Nickel plated steel torsion springs secure module in housing
- Optical acrylic diffusion lens produces high lumen transmission and even illumination
- Multiple LED chips with excellent color consistency
- 15W, 1000 Delivered Lumen output
- Available in 2700K and 3000K color temperatures
- Direct 120VAC design – no driver needed providing for a smaller, lighter design with less components.
- Triac and ELV dimmable
- Suitable for use in wet locations
- Energy Star listed
- Housing Compatibility: Module will fit in housings with the following dimensional space. E26 socket, GU24 base or male IDEAL® 182 quick-connect connector are required.



Housing Compatibility



Module	Color Temp	CRI	Dimming
RF6L1	**27K** - 2700K **30K** - 3000K	**C** - 90 CRI	**E** - E26 Base Adapter **G** - GU24 Base Adapter

Finish	
PL	- Platinum Haze Reflector/ White Trim Ring
WHT	- White Reflector/ White Trim Ring

All specifications subject to change without notice.

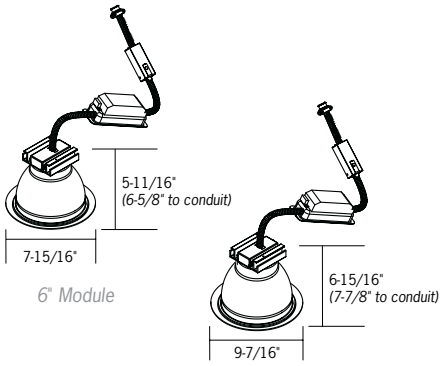
LED HARDWIRE RECESSED MODULES

Retrofit Module

New Contruction Module and Housing

- Available in 6" and 8" models; both in 3000K with 80CRI, typical. 34.5 Total input watts.
- Heavy gauge aluminum reflector in anodized clear finish with injection molded white plastic trim ring; available in medium or wide beam distributions
- Aluminum extruded heat sink facilitates heat dissipation to ensure consistent quality light output, color and life of solid state components
- Trim module and driver housing require a minimum of 3" clearance from insulation material; thermal protection provided in case of improper insulation use
- Optical acrylic diffusion lens provides high lumen transmission and even illumination
- 16 Multiple LED chips featuring excellent color consistency
- System designed and rated for 50,000 hours at 70% lumen maintenance
- Triac dimmable, 120V only
- 120/277V, Damp location listed
- *Dimming compatibility on page 219*

6" & 8" HARDWIRE RETROFIT MODULE



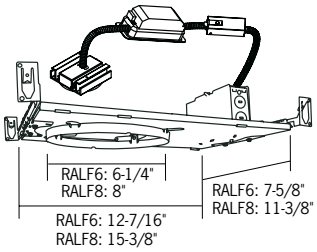
6" Module

8" Module

- Compatible with most 6" and 8" architectural incandescent, fluorescent and metal halide housings
- Light engine and driver supplied with flexible metal conduit for connection to 1/2" knock-out in existing housing junction box.
- Nickel plated spring steel friction clips are provided for retaining aluminum reflector in existing housing.
- 6" Housing Compatibility:
  RA61xxHEMV, RA62xxHEMV, RS61xxHEMV, RS62xxHEMV, RA61xxHEMVR, RA62xxHEMVR, RA61xxVEMV, RS61xxVEMV, RL6xxMH-E, RL6xxMH-M, RA6150VINC, RA6150HINC
- 8" Housing Compatibility:
  RA81xxHEMV, RA82xxHEMV, RS81xxHEMV, RS82xxHEMV, RA81xxVEMV, RS81xxVEMV, RL8xxMH-E, RL8xxMH-M, RA8300VINC, RA8300HINC

Module	Beam Type	Reflector Finish
RFTA63430K - 6" Retrofit Module **RFTA83430K** - 8" Retrofit Module	**MP22M** - Medium Beam Multiplier **MP22W** - Wide Beam Multiplier	**CLR** - Clear Haze

6" & 8" HARDWIRE NEW CONTRUCTION MODULE AND HOUSING



- Specification grade 6" and 8" New Construction non-IC housing; Galvanized steel construction
- Requires minimum 3" clearance around luminaire, trim module and driver from insulation material
- Nailer bars enable easy installation, optional clip-on T-bar hangers also available
- Convenient quick-connect flexible conduit system

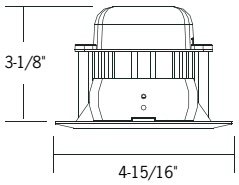
Housing
RALF6NC - 6" NC Housing **RALF8NC** - 8" NC Housing

Module	Beam Type	Reflector Finish
RFTA63430K - 6" Retrofit Module **RFTA83430K** - 8" Retrofit Module	**MP22M** - Medium Beam Multiplier **MP22W** - Wide Beam Multiplier	**CLR** - Clear Haze

All specifications subject to change without notice.

4" SOCKETED LED DOWNLIGHT MODULE

- Compatible with most 4" recessed housings
- Aluminum die-cast heat sink is designed to facilitate heat dissipation to ensure consistent quality light output, color and life of solid state components
- Available in 3000K with a CRI of 80, typical
- Reflector, trim ring and heat-sink are produced from a single piece aluminum die-cast
- Reflector and trim ring are painted a gloss white finish
- Optical acrylic diffusion lens produces high lumen transmission and even illumination
- E26 Screw base connector harness provides easy installation into new construction or retrofit applications
- Single, multi-die array features excellent color consistency; 9.5 total input watts
- System designed and rated for 50,000 hours at 70% lumen maintenance
- Triac Dimmable, 120V only
- 120V-277V, Wet location listed
- Housing Compatibility
  RL20, RL20-CP, RL20-IC, RL20-R, RL20-SA-R
- *Dimming compatibility on page 219*

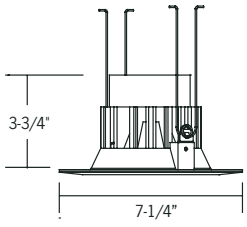


Module

RFT4E130K-P - Gloss White Reflector, 3000K, E26 Base

5" SOCKETED LED DOWNLIGHT MODULE

- Compatible with most 5"and 6" recessed housings
- Aluminum die-cast heat sink is designed to facilitate heat dissipation to ensure consistent quality light output, color and life of solid state components
- Available in 3000K with a CRI of 80, typical
- Baffle, trim ring, and heat-sink are produced from a single piece aluminum die-cast
- Baffle and trim ring are painted a gloss white finish
- Optical acrylic diffusion lens produces high lumen transmission and even illumination
- E26 Screw base connector harness provides easy installation into new construction or retrofit applications
- Eight (8) LED chips featuring excellent color consistency; 13.6 Total input watts
- System designed and rated for 50,000 hours at 70% lumen maintenance
- Triac dimmable, 120V only
- 120V-277V, Wet location listed
- Housing Compatibility
  RL530, RL530-R, RL530-ICSA, RL530-ICSA-R, RL30-IC, RL30-ICSA-R, RL30S-ICSA, RL30S-ICR, RL38, RL38-CP, RL38S, RL38-ICER, RL38S-R, RL38-ICESA
- *Dimming compatibility on page 219*



Module

RFT56E130K-P - Gloss White Baffle, 3000K, E26 Base

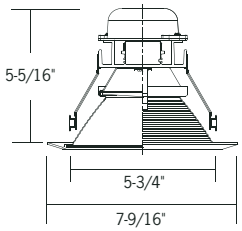
6" SOCKETED LED DOWNLIGHT MODULES

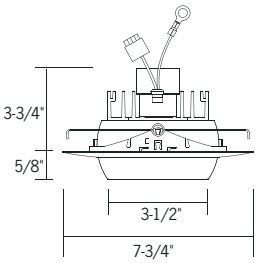
6" Matte Black Baffle

6" Matte White Baffle

6" Clear Haze Reflector

6" White Adjustable





- LED Trim module for use in new construction and retrofit light commercial and residential applications; offered in E26 or GU24 lamp bases
- GU24 Module also available with housing, see page 69
- Aluminum extruded heat sink facilitates heat dissipation, ensuring consistent quality light output, color, and life of solid state components
- Reflector and baffle trims are fabricated from heavy gauge aluminum; Reflector has an anodized clear haze finish and baffle is available in matte white or matte black painted finish. Injection molded plastic trim ring.
- Eyeball and trim ring are formed from steel: baffle is fabricated from heavy gauge aluminum, eyeball and trim ring are painted matte white. Baffle is available in either matte white or black painted finishes; 358° rotation and 30° of tilt adjustability.
- Total of eight (8) LEDs available in 3000K with a CRI of 80, typical
- 13.8 Total input watts
- Optical acrylic diffusion lens produces high lumen transmission and even illumination
- Lamp base connector harness provides easy installation into new construction applications, as well as fit retrofit applications
- Nickel plated steel torsion springs secure module in housing
- Excellent color consistency
- E26 Base Housing Compatibility
  RL30-IC, RL30-ICSA-R, RL38, RL38-CP, RL38-ICER, RL38-ICESA
- GU24 Base Housing Compatibility
  RL38G-ICESA
- 120V-277V, Wet location listed
- *Dimming compatibility on page 219*

E26 Base Modules

RFT6E-130K-P	- 6" Matte White Baffle
RFT6E-130K-P-B	- 6" Matte Black Baffle
RFT6E-130K-CLR	- 6" Clear Haze Reflector
RFT6E-ADJ-130K-P	- 6" Matte White Adjustable/White Baffle
RFT6E-ADJ-130K-P-B	- 6" Matte White Adjustable/Black Baffle

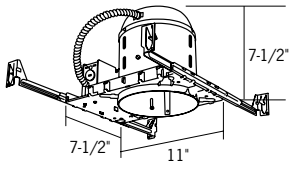
GU24 Base Modules

RFT6G-130K-P	- 6" Matte White Baffle
RFT6G-130K-P-B	- 6" Matte Black Baffle
RFT6G-130K-CLR	- 6" Clear Haze Reflector
RFT6G-ADJ-130K-P	- 6" Matte White Adjustable/White Baffle
RFT6G-ADJ-130K-P-B	- 6" Matte White Adjustable/Black Baffle

All specifications subject to change without notice.

6" GU24 BASE LED MODULE RECESSED DOWNLIGHT

- New construction housing, air-tight for insulated ceilings; compatible only with 6" RFT6G series retrofit modules
- Aluminum housing and galvanized steel plaster frame construction
- Nailer bars enable easy installation, may be extended to rest on T-bar ceilings; optional clip-on T-bar hangers also available
- Nickel plated steel torsion springs secure module in housing
- LED Module reflector and baffle trims are fabricated from heavy gauge aluminum; reflector has an anodized clear haze finish and baffle is available in matte white or matte black painted finish. Injection molded plastic trim ring.
- LED Module eyeball and trim ring are formed from steel: baffle is fabricated from heavy gauge aluminum, eyeball and trim ring are painted matte white. Baffle is available in either matte white or black painted finishes; 358° rotation and 30° of tilt adjustability.
- 13.8W Module available in 3000K with a CRI of 80, typical
- Module includes optical acrylic diffusion lens produces high lumen transmission and even illumination
- 120V, Damp location listed
- *Dimming compatibility on page 219*



Housing

RL38G-ICESA - 6" Line Voltage GU24 Base IC/StopAire® Housing

GU24 Base Modules

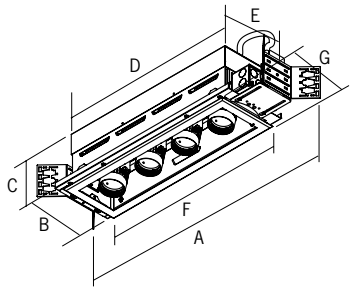
RFT6G-130K-P - 6" Matte White Baffle
RFT6G-130K-P-B - 6" Matte Black Baffle
RFT6G-130K-CLR - 6" Clear Haze Reflector
RFT6G-ADJ-130K-P - 6" Matte White Adjustable/White Baffle
RFT6G-ADJ-130K-P-B - 6" Matte White Adjustable/Black Baffle

All specifications subject to change without notice.

MINI O2 LED RECESSED MULTIPLE

2014 PROGRESS Report SELECTION

- High performance LED recessed downlight with single and multiple adjustable heads; single to four head units available
- Four head units available in two configurations: rectilinear and two-by-two square
- New construction housing design can also be used for remodel applications
- Housings available in painted matte black, matte white and matte silver finishes; may be used for trimmed or trimless applications
- Trimmed option available in painted matte black, white and silver finishes
- Series 1 delivers up to 1100 lumens with an input wattage rating of 10W
  Series 2 delivers up to 1400 lumens with an input wattage rating of 14W
- Four standard color temperature options are available: 2700K, 3000K, 3500K, and 4000K with two CRI options: standard, 83 typical, and high, 90+
- Each lamp head consists of a single, high lumen output multi-chip LED array; 10W - 56W Total input watts
- Spot (12°), Medium (29°), and Flood (37°) beam distributions
- Excellent color consistency within a 2-step MacAdam Ellipse tolerance
- Each lamp head features a constant tension design for tilt and rotation adjustability providing 370° rotation and 45° tilt adjustability inside housing. Tilt mechanism can also be locked into place.
- For increased adjustability; lamp head features a firm-feel detent pull-down mechanism which allows the head to tilt up to 90°.
- Dimming is available on all housings. Choose from standard TRIAC dimming, electronic low voltage (ELV) dimming and 0-10V dimming
- Accommodates ceiling thicknesses from 1/2" - 7/8"
- Each lamp head accepts up to two (2) LF16 60MM lenses or FA-16 60MM black honeycomb louvers with the FA-44 Snoot/Accessory holder, ordered separately
- 120V/277V, Damp location listed
- *Photometrics and LM-79 data on page 267; Dimming compatibility on page 219*



Model	Overall			Housing		Trim Edge = 1"		Ceiling Cut-Out	
	A	B	C	D	E	F	G		
	Length	Width*	Height	Length	Width	Length	Width	Length	Width
X1	15-1/2"	6-7/8"	6-3/4"	5-7/8"	5-1/4"	6-9/16"	6-9/16"	6-1/8"	5-1/2"
X2	20-1/4"	6-7/8"	6-3/4"	10-9/16"	5-1/4"	11-5/16"	6-9/16"	10-7/8"	5-1/2"
X3	24-7/8"	6-7/8"	6-3/4"	15-5/16"	5-1/4"	16"	6-9/16"	15-5/8"	5-1/2"
X4	29-5/8"	6-7/8"	6-3/4"	20"	5-1/4"	20-3/4"	6-9/16"	20-5/16"	5-1/2"
X22	20-1/4"	11-5/8"	6-3/4"	10-9/16"	9-15/16"	11-5/16"	11-5/16"	10-7/8"	10-1/4"

**Wing bracket (RL-KIT #3) width = 7-3/8"*

All specifications subject to change without notice.

Ordering Information

1 *Select luminaire, color temperature, dimming option, beam spread, lamps and finish. Consult factory when different beams, color temperatures, lumen packages, or multiple circuits (2-maximum) are required in a single multiple-head luminaire.*

Luminaire	Series	Color Temp	Electrical/Dimming	Beam	Lamps	Housing/Head Finish
RDA4L	**1** - 1100 Lumens **2** - 1400 Lumens	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 93+ CRI **30KC** - 3000K, 93+ CRI **35KC** - 3500K, 93+ CRI **40KC** - 4000K, 90+ CRI	**12** - 120V Non-Dimming **27** - 277V Non-Dimming **12D1** - 120V TRIAC (F. Phase) Dimming **12D2** - 120V 0-10V Dimming **27D2** - 277V 0-10V Dimming **12D5** - 120V ELV (R. Phase) Dimming	**S** - Spot **M** - Medium **F** - Flood	**X1** - 1 Head **X2** - 2 Heads **X3** - 3 Heads **X4** - 4 Heads **X22** - 4 Heads; 2X2	**BLK** - Matte Black **WHT** - Matte White **SL** - Satin Silver

2 *Select trim type*

Trim Type

Beveled Trim	Trimless
B - Matte Black Trim	**N** - Trimless
P - Matte White Trim	
S - Satin Silver Trim	

3 *Select options*

Options

CP[1] - Chicago Plenum
ER[2] - Factory Installed 7W/200mA Emergency Battery Backup, Remote Test Switch
EI[2] - Factory Installed 7W/200mA Emergency Battery Backup, Internal Test Switch

4 *Select accessories*

Accessories

HB-24 - 27" Flat Hanger Bars
HBC-24 - 25" C-Channel Hanger Bars
FA-16 60MM - 2-3/8" Dia. Black Honeycomb Louver
FA-44-(B, P, S) - 1" Snoot/Accessory Holder
LF16-(A, B, CL, G, LB, R, RO, Y, 73, LS, SL, SOL, UV*) 60MM
2-3/8" Dia. Tempered Glass Lenses; Requires FA-44 Snoot/Accessory Holder

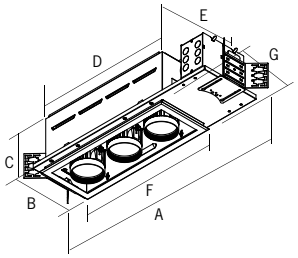
Note: When a Snoot, Louver, or Lens is desired, ensure the same quantity is ordered as the number of heads on the unit, e.g. a two-head unit would require two media be ordered.

*Color/Pattern Legend:
-A (Amber), **-B** (Blue), **-CL** (Clear), **-G** (Green), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow), **-73** (Spread Lens), **-LS** (Linear Spread Lens), **-SL** (Soft Light), **-SOL** (Solite), **-UV** (Optivex UV Filter)

1. Chicago Plenum is not available for use with Series 2. Cannot be used with the Emergency Battery Backup option.
2. Emergency Battery Backup: For use in new construction applications only - requires above ceiling access. Will only energize one (1) head on a multi-head unit - 400 lumen nominal average for either Series 1 or Series 2.

O3 LED RECESSED MULTIPLE

- High performance LED recessed downlight with single and multiple adjustable heads; single to four head units available
- Four head units available in two configurations: rectilinear and two-by-two square
- New construction housing design can also be used for remodel applications
- Housings available in painted matte black, matte white and satin silver finishes; may be used for trimmed or trimless applications
- Trimmed option available in painted matte black, white and silver finishes
- Series 05 delivers over 1000 lumens with an input wattage rating of 10W
  Series 1 delivers over 2000 lumens with an input wattage rating of 20W
  Series 2 delivers over 2800 lumens with an input wattage rating of 29W
- Four standard color temperature options are available: 2700K, 3000K, 3500K, and 4000K with two CRI options: standard, 83 typical, and high, 90+
- Each lamp head consists of a single, high lumen output multi-chip LED array
- Spot (11°), Medium (25°), and Flood (36°) beam distributions
- Excellent color consistency within a 2-step MacAdam Ellipse tolerance
- Each lamp head features a constant tension design for tilt and rotation adjustability providing 370° rotation and 45° tilt adjustability inside housing. Tilt mechanism can also be locked into place.
- For increased adjustability; lamp head features a firm-feel detent pull-down mechanism which allows the head to tilt up to 90°.
- Dimming: All RDA6L Series luminaires are available for non-dimming and dimming applications.
- Each lamp head accepts up to two (2) LF20 lenses or LA-45 black honeycomb louver with the FA-46 Snoot/Accessory holder, ordered separately
- Accommodates ceiling thicknesses from 1/2" - 1-1/4"
- 120V/277V, Damp location listed
- *Photometrics and LM-79 data on page 267-268; Dimming compatibility on page 225*



Model	Overall				Housing		Trim Edge = 1"		Ceiling Cut-Out	
	A		B	C	D	E	F	G		
	Length (Min-Max*)		Width	Height	Length	Width	Length	Width	Length	Width
X1	20-3/4"	22-3/4"	8-11/16"	8-1/4"	7-3/16"	6-7/8"	8"	8"	7-1/2"	7-1/8"
X2	27"	29"	8-11/16"	8-1/4"	13-3/8"	6-7/8"	14-3/16"	8"	13-5/8"	7-1/8"
X3	33-1/4"	35-1/4"	8-11/16"	8-1/4"	19-9/16"	6-7/8"	20-3/8"	8"	20"	7-1/8"
X4	39-1/4"	41-1/4"	8-11/16"	8-1/4"	25-3/4"	6-7/8"	26-9/16"	8"	26"	7-1/8"
X22	27"	29"	14-7/8"	8-1/4"	13-3/8"	13-1/8"	14-3/16"	14-3/16"	13-5/8"	13-3/8"

**Minimum and maximum extension of adjustable wing brackets*

All specifications subject to change without notice.

Ordering Information

1 *Select luminaire, color temperature, dimming option, beam spread, lamps and finish. Consult factory when different beams, color temperatures, lumen packages, or multiple circuits are required in a single multiple-head luminaire.*

Luminaire	Series	Color Temp	Electrical/Dimming	Beam	Lamps	Housing/Head Finish
RDA6L	**05** - 10W/ 1000Lm **1** - 20W/ 2000 Lm **2** - 29W/ 2800 Lm	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **27KC** - 2700K, 93+ CRI **30KC** - 3000K, 93+ CRI **35KC** - 3500K, 93+ CRI **40KC** - 4000K, 90+ CRI	**12D** - 120V Triac, ELV, 0-10V Dimming **27D** - 277V Triac, ELV, 0-10V Dimming **12D3** - Lutron HiLume Dimming	**S** - Spot **M** - Medium **F** - Flood	**X1** - 1 Head **X2** - 2 Heads **X3** - 3 Heads **X4** - 4 Heads **X22** - 4 Heads; 2X2	**BLK** - Matte Black **WHT** - Matte White **SL** - Satin Silver

2 *Select trim type*

Trim Type

Beveled Trim	Trimless
B - Matte Black Trim **P** - Matte White Trim **S** - Satin Silver Trim	**N** - Trimless

3 *Select options*

Options

CP[1] - Chicago Plenum
ER[2] - Factory Installed 7W/200mA Emergency Battery Backup, Remote Test Switch
EI[2] - Factory Installed 7W/200mA Emergency Battery Backup, Internal Test Switch

4 *Select accessories*

Accessories

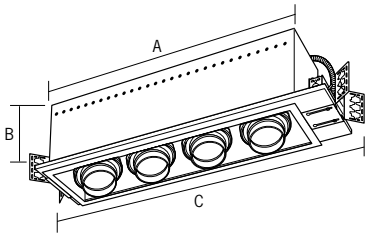
HB-24 - 27" Flat Hanger Bars
HBC-24 - 25" C-Channel Hanger Bars
LA-45 - 3-25/32" Dia. Black Honeycomb Louver
FA-46-(B, P, S) - 1" Snoot/Accessory Holder
LF20-(A, B, CL, G, LB, R, RO, Y, 73, LS, SL, SOL, UV*)
3-3/4" Dia. Tempered Glass Lenses; Requires FA-46 Snoot/Accessory Holder

Note: When a Snoot, Louver, or Lens is desired, ensure the same quantity is ordered as the number of heads on the unit, e.g. a two-head unit would require two media be ordered.
*Color/Pattern Legend:
-A (Amber), **-B** (Blue), **-CL** (Clear), **-G** (Green), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow), **-73** (Spread Lens), **-LS** (Linear Spread Lens), **-SL** (Soft Light), **-SOL** (Solite), **-UV** (Optivex UV Filter)

1. *Chicago Plenum is not available for use with Series 2. Cannot be used with the Emergency Battery Backup option.*
2. *Emergency Battery Backup: For use in new construction applications only - requires above ceiling access. Will only energize one (1) head on a multi-head unit - 800 lumen nominal average for either Series 1 or Series 2.*

OPTICA 18W LED RECESSED MULTIPLES

- High performance, dimmable LED track head available within a recessed housing for a clean ceiling; adjustable for light control
- Dimming option allows illumination down to 10%
- LEDs are available in four color temperatures: 2700K, 3000K, 3500K, and 4000K; each color temperature is available in three (3) beam distributions: spot, medium or flood
- Light engine comes with a standard snoot that provides excellent cutoff and glare control
- Lamps have 55° length x 40° width adjustability
- 7-28 LEDs, 18W- 72W total input watts
- 120V and 277V, Dry location listed
- *Dimming compatibility on page 219*



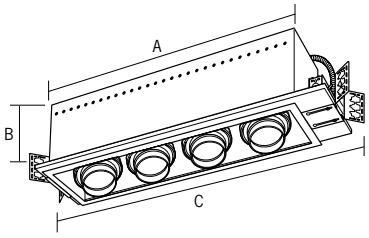
A = Housing Length
B = Overall Height
C = Overall Length
D = Cut-out Length
E = Cut-out Width

	A	B	C	D	E
1 lamp	8.81"	9.75"	18.34" - 20.84"	9.32"	7.25"
2 lamps	15.90"	9.75"	25.43" - 27.93"	16.41"	7.25"
3 lamps	23.00"	9.75"	32.53" - 35.03"	23.51"	7.25"
4 lamps	30.00"	9.75"	39.53" - 42.03"	30.51"	7.25"

Luminaire	Beam	Color Temp	Electrical	Dimming	Lamps	— Finish
RAN18L	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**12** - 120V **27** - 277V	**N** - Non-Dimming **D** - Triac Dimming (120V ONLY) **D2** - 0-10V Dimming (120V/277V)	**X1** - 1 Lamp **X2** - 2 Lamps **X3** - 3 Lamps **X4** - 4 Lamps	**B** - Black **P** - White **S** - Silver

OPTICA 27W LED RECESSED MULTIPLES

- High performance, dimmable LED track head available within a recessed housing for a clean ceiling; adjustable for light control
- Dimming option allows illumination down to 10%
- LEDs are available in four color temperatures: 2700K, 3000K, 3500K, and 4000K; each color temperature is available in three (3) beam distributions: spot, medium or flood
- Light engine comes with a standard snoot that provides excellent cutoff and glare control
- Lamps have 55° length x 40° width adjustability
- 7-28 LEDs, 27W-108W total input watts
- 120V and 277V, Dry location listed
- *Photometrics and LM-79 data on page 266; Dimming compatibility on page 219*



A = Housing Length
B = Overall Height
C = Overall Length
D = Cut-out Length
E = Cut-out Width

	A	B	C	D	E
1 lamp	8.81"	9.75"	18.34" - 20.84"	9.32"	7.25"
2 lamps	15.90"	9.75"	25.43" - 27.93"	16.41"	7.25"
3 lamps	23.00"	9.75"	32.53" - 35.03"	23.51"	7.25"
4 lamps	30.00"	9.75"	39.53" - 42.03"	30.51"	7.25"

Luminaire	Beam	Color Temp	Electrical	Dimming	Lamps	— Finish
RAN27L	**S** - Spot **M** - Medium **F** - Flood	**27** - 2700K **3** - 3000K **35** - 3500K **4** - 4000K	**12** - 120V **27** - 277V	**N** - Non-Dimming **D** - Triac Dimming (120V ONLY) **D2** - 0-10V Dimming (120V/277V)	**X1** - 1 Lamp **X2** - 2 Lamps **X3** - 3 Lamps **X4** - 4 Lamps	**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

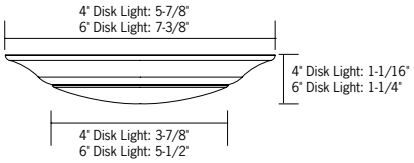
LED DISK LIGHT 154
LED ROUND FLUSH 154
ARCHITHIN SURFACE MOUNTS 155

CEILING MOUNT/SURFACE LIGHTING

LED SURFACE MOUNT DISK LIGHT

4" Disk Light

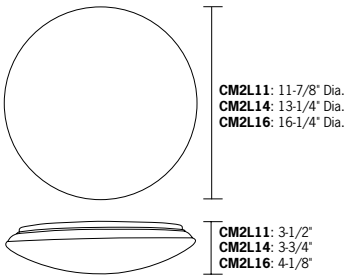
6" Disk Light



- Low profile LED surface mount disk lights provide the seamless look of traditional recessed downlights in a no maintenance energy efficient package
- The thin aesthetic design includes an opaque polycarbonate diffuser delivering soft, even illumination
- These LED disk lights are designed to surface mount onto 4" octagonal junction boxes; optional recess mount kits allow for retrofit into existing recessed downlights
- Multiple LED array for uniform illumination
- 4" Disk Light: 12.5W
  540 Lumen output (2700K)
  570 Lumen output (3000K)
- 6" Disk Light: 15W
  920 Lumen output (2700K)
  940 Lumen output (3000K)
  950 Lumen output (3500K)
- Direct 120VAC design – no driver needed
- 90 CRI For all color temperatures
- Compatible with most TRIAC and ELV dimmers
- cCSAus certified to UL standards, Suitable for wet location
- Energy Star Listed

Luminaire	Size	Color Temp	Recess Mount Kit (Optional)	Finish
CMR2	**4** - 4"/12.5W **6** - 6"/15W	**27KC** - 2700K, 90 CRI **30KC** - 3000K, 90 CRI **35KC** - 3500K, 90 CRI (6" Only)	**Leave Blank** - J-Box Mount **E** - Recess Mount Kit with E26 Adapter **G** - Recess Mount Kit with GU24 Adapter	**WHT** - Matte White

LED ROUND FLUSH CEILING MOUNT LUMINAIRE



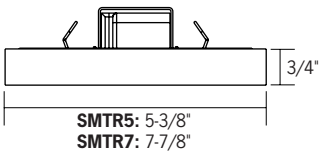
- Low profile, round ceiling mount luminaire provides general illumination
- Multiple LEDs illuminate the white acrylic diffuser providing a soft, luminous glow without shadows
- Swing latches allow for convenient installation and maintenance
- Multiple integrated LEDs
- Wattages/delivered lumens:
  CM2L11: 14W/1350Lm
  CM2L14: 22W/1700Lm
  CM2L16: 30W/2600Lm
- Available in 2700K and 3000K Color Temperatures, 90 CRI
- Integrated LED driver, 120VAC input
- Triac and ELV dimmable
- UL or cETLus listed to UL standards
- Energy Star certified

Luminaire	Size	Color Temp	Finish
CM2L	**1** - 11-7/8" Dia./14W **4** - 13-1/4" Dia./22W **6** - 16-1/4" Dia./30W	**27KC** - 2700K, 90 CRI **30KC** - 3000K, 90 CRI	**W** - White

All specifications subject to change without notice.

ARCHITHIN LED SURFACE MOUNT ROUND DOWNLIGHT

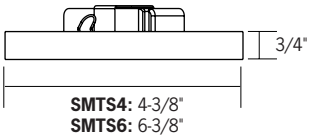
- Optical diffusion lens produces high lumen transmission and even illumination
- Edge-lit LED configuration for low glare light pattern
- 5" SMTR5, 80CRI: 11W, 800 Delivered Lumens
  5" SMTR5, 90CRI: 11W, 670 Delivered Lumens
- 7" SMTR7, 80CRI: 14W, 1030 Delivered Lumens
  7" SMTR7, 90CRI: 14W, 860 Delivered Lumens
- 2700K, 3000K, 3500K, and 4000K color temperature options; 80 or 90 CRI.
- Integrated driver options:
  120VAC input, TRIAC/ELV Dimming
  120-277VAC input with 0-10V Dimming
- cETLus listed. Suitable for wet locations (covered ceiling).



Luminaire	Color Temp	Driver	Finish
SMTR5 - 5" Round **SMTR7** - 7" Round	**27K** - 2700K, 80 CRI **30K** - 3000K, 80 CRI **35K** - 3500K, 80 CRI **40K** - 4000K, 80 CRI **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12D1** - 120V Triac Dimming Driver **MVD2** - 120-277V 0-10V Dimming Driver	**B** - Black **S** - Silver/Aluminum **W** - White

ARCHITHIN LED SURFACE MOUNT SQUARE DOWNLIGHT

- Optical diffusion lens produces high lumen transmission and even illumination
- Edge-lit LED configuration for low glare light pattern
- 4" SMTS4, 80CRI: 11W, 780 Delivered Lumens
  4" SMTS4, 90CRI: 11W, 650 Delivered Lumens
- 6" SMTS6, 80CRI: 14W, 1000 Delivered Lumens
  6" SMTS6, 90CRI: 14W, 840 Delivered Lumens
- 2700K, 3000K, 3500K, and 4000K color temperature options; 80 or 90 CRI.
- Integrated driver options:
  120VAC input, TRIAC/ELV Dimming
  120-277VAC input with 0-10V Dimming
- cETLus listed. Suitable for wet locations (covered ceiling).

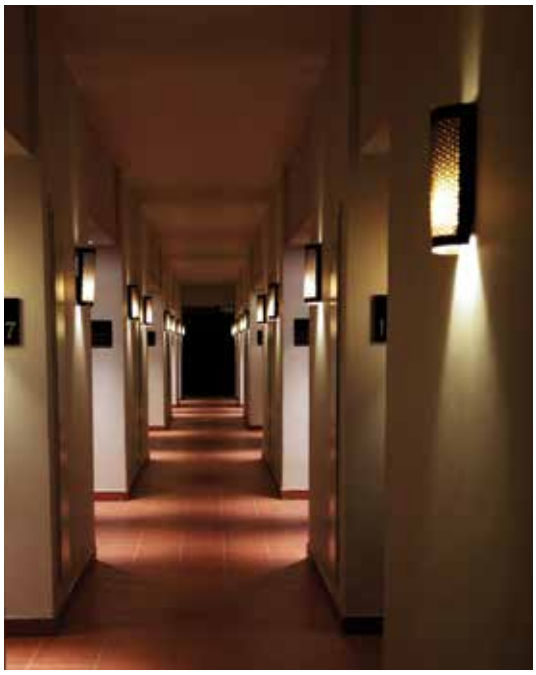


Luminaire	Color Temp	Driver	Finish
SMTS4 - 4" Square **SMTS6** - 6" Square	**27K** - 2700K, 80 CRI **30K** - 3000K, 80 CRI **35K** - 3500K, 80 CRI **40K** - 4000K, 80 CRI **27KC** - 2700K, 90+ CRI **30KC** - 3000K, 90+ CRI **35KC** - 3500K, 90+ CRI **40KC** - 4000K, 90+ CRI	**12D1** - 120V Triac Dimming Driver **MVD2** - 120-277V 0-10V Dimming Driver	**B** - Black **S** - Silver/Aluminum **W** - White

All specifications subject to change without notice.

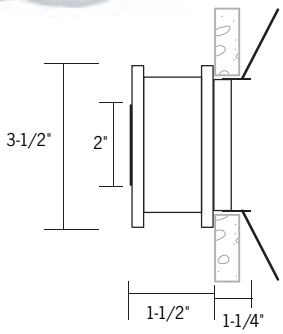
sirius® lighting ELARA 158
sirius® lighting TAIFUN 158
sirius® lighting PHANTOM 159
SCOOP WALL SCONCE 159
METRO WALL SCONCE 161
MOON WALL/CEILING SCONCE 161
QUADRIS WALL SCONCE 162

WALL SCONCES



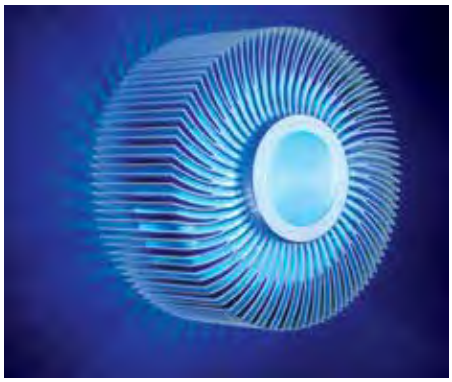
sirius® lighting ELARA

- 5W/700mA Constant current LED wall/ceiling sconce
- Surface mounted accent luminaire; frosted acrylic diffuser with brushed aluminum accents
- May be wall or ceiling mounted; allow 3-1/8" opening in ceiling/wall for installation
- 120V, Dry location listed
- Must be used with a 120V, 700mA secondary, Class II electronic driver to provide power to the LED luminaires
- See page 226 for LED drivers

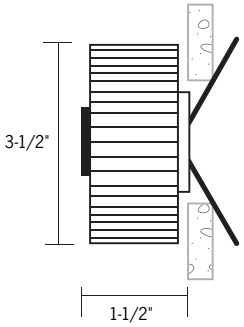


Luminaire	
SWS7103W	- Warm White LED

sirius® lighting TAIFUN



- 5W LED in Neutral White, Blue, Green, Red or Amber (included)
- Surface mounted accent luminaire constructed of extruded aluminum
- Curved aluminum fins provide decorative light striations
- ADA Compliant
- May be wall or ceiling mounted. Allow 2" opening in ceiling/wall for installation
- 120V, Dry location listed
- Must be used with a 120V, 700mA secondary, Class II electronic driver to provide power to the LED luminaires
- See page 226 for LED drivers
- *Photometrics and LM-79 data on page 270*



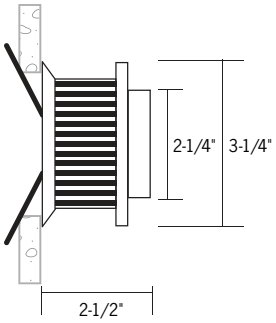
Luminaire	
SWS7101A	- Amber LED
SWS7101B	- Blue LED
SWS7101G	- Green LED
SWS7101R	- Red LED
SWS7101W	- Neutral White LED

Accessories	
SA57-P	- Surface Adaptor Plate Round cover plate for mounting sconce to 4" outlet box. White finish.

All specifications subject to change without notice.

sirius® lighting PHANTOM

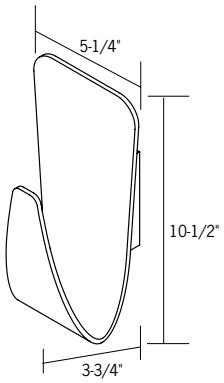
- 5W LED in Neutral White, Blue, Green, Red or Amber (included)
- Surface mounted accent luminaire constructed of extruded aluminum
- Aluminum beams provide decorative light striations
- ADA Compliant
- May be wall or ceiling mounted. Allow 2" opening in ceiling/wall for installation
- 120V, Dry location listed
- Must be used with a 120V, 700mA secondary, Class II electronic driver to provide power to the LED luminaires
- See page 226 for LED drivers
- *Photometrics and LM-79 data on page 270*



Luminaire	Accessories
SWS7102A - Amber LED **SWS7102B** - Blue LED **SWS7102G** - Green LED **SWS7102R** - Red LED **SWS7102W** - Neutral White LED	**SA57-P** - Surface Adaptor Plate Round cover plate for mounting sconce to 4" outlet box. White finish.

SCOOP LED WALL SCONCE

- Architectural LED Wall Sconce creates dramatic lighting for hallways, reception areas, individual rooms and offices
- Select from three color combinations to fit wide décor
- ADA compliant for use throughout your building design (5-1/4"W x 10-1/2"H x 3-3/4"D)
- 7.5W LED sconce, 3000K, 90CRI, 120-277 ELV Dimming
- Delivered lumens:
  Black/Gold: 425Lm
  White/White: 675Lm
  Silver/White: 675Lm
- Hardware included for mounting to octagonal junction box
- cETLus Certified to UL Standards

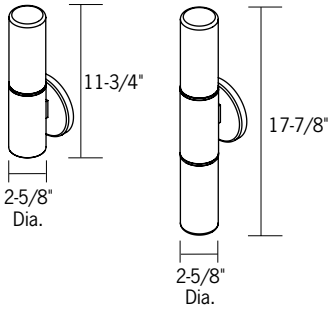


Luminaire	Size	Color Temp	Electrical	Finish
WS11	**1** - Small, 7.5W	**30KC** - 3000K, 90 CRI	**MVD** - 120-277V ELV Dimming	**B** - Black **S** - Silver **W** - White

All specifications subject to change without notice.

METRO LED WALL SCONCE

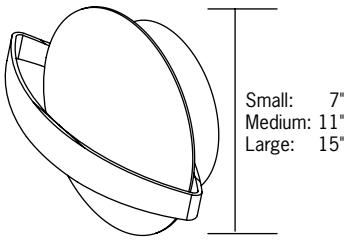
- Clean style complements classic or modern décor
- Brushed nickel finish in either single or double tube luminaire configurations
- The elegant white triplex glass softens the LED source to provide a beautiful uniform illumination
- The double tube Metro wall sconce can be mounted vertically or horizontally
- ADA compliant for use throughout your building design (3.5" D)
- 3000K, 80 CRI, 120-277 ELV Dimming
- WS201 Single LED: 9W, 590 Lumens
- WS202 Double LED: 9W, 620 Lumens
- Hardware included for mounting to octagonal junction box
- Suitable for dry or damp locations



Luminaire	Size	Color Temp	Dimming/Electrical	—	Finish
WS20	**1** - Single Tube **2** - Double Tube	**30K** - 3000K	**MVD** - 120-277V ELV Dimming		**NK** - Brushed Nickel

MOON LED WALL/CEILING SCONCE

- Architectural LED Wall Sconce/Ceiling luminaire creates dramatic accent lighting for hallways, reception areas, individual rooms and offices
- Small and Medium Sizes available in White on White. Large available in Black on Gold.
- Small: 7" Diameter
  Medium: 11" Diameter
  Large: 15" Diameter
- Small: 6.5W LED/575Lm (White/White version)
  Medium: 7.5W LED/620Lm (White/White version)
  Large: 16W LED/1325Lm (White/White version)
- 3000K, 90 CRI
- 120-277 ELV Dimming



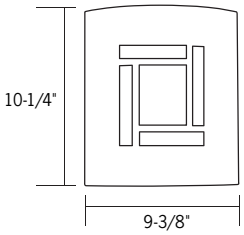
Luminaire	Size	Color Temp	Dimming/Electrical	—	Finish
WS15	**1** - Small, 7" Dia. **2** - Medium, 11" Dia. **3** - Large, 15" Dia.	**30KC** - 3000K 90 CRI	**MVD** - 120-277V ELV Dimming		**B** - Black/Gold* **P** - White/White

**B Finish only available in 15" Dia.*

All specifications subject to change without notice.

QUADRIS LED WET LOCATION WALL SCONCE

Horizontal | Vertical | Squares | Oval | Trio | Mosaic | Window

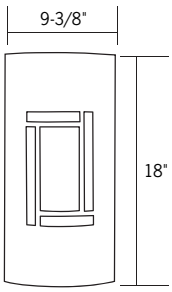


- Wet location listed, ADA compliant 12W 70 LED wall sconce
- 3000K White LEDs provide soft, luminous, decorative light
- Select from seven faceplate designs and four finishes
- Diffuser color is white
- Custom faceplate designs and finishes are available, consult factory
- 120V- 277V
- *Dimming compatibility on page 218*

Luminaire	Color Temp	Voltage/Dimming	Faceplate		Finish
WS075L	**30K** - 3000K	**12D1** - 120V Triac Dimming **MVD2** - 120 – 277V 0-10V Dimming	**1** - Horizontal **2** - Vertical **3** - Squares **4** - Oval	**5** - Trio **6** - Mosaic **7** - Window	**AB** - Antique Bronze **B** - Black **S** - Silver **W** - White

QUADRIS LED WET LOCATION TALL WALL SCONCE

Horizontal | Vertical | Squares | Oval | Trio | Mosaic



- Select from six different faceplate designs in four finishes
- Custom faceplate designs available; consult factory
- ADA compliant for use throughout your building space
- 98 White LEDs provide soft, luminous, decorative light; 16 total input watts
- Available in three (3) color temperatures
- Diffuser color is white
- Wet location listed
- *Dimming compatibility on page 218*

Luminaire	Color Temp	Voltage/Dimming	Faceplate		Finish
WS085L	**30K** - 3000K **35K** - 3500K **40K** - 4000K	**12D1** - 120V Triac Dimming **MVD2** - 120 – 277V 0-10V Dimming	**1** - Horizontal **2** - Vertical **3** - Squares	**4** - Oval **5** - Trio **6** - Mosaic	**AB** - Antique Bronze **B** - Black **S** - Silver **W** - White

All specifications subject to change without notice.

TAPELIGHT OVERVIEW 164
12V TAPELIGHT 166
24V TAPELIGHT 176

TAPELIGHT

LED TAPELIGHT OFFERING

12V
white light applications

V1 Standard Output (Page 168): 73Lm/Ft @ 0.70W/Ft
V2 High Output (Page 167): 130Lm/Ft @ 1.45W/Ft
V3 Super HIgh Output (Page 166): 440Lm/Ft @ 3.24W/Ft
V1 Standard Output Side Emitting (Page 170): 52Lm/Ft @ 0.60W/Ft
V2 High Output Side Emitting (Page 170): 103Lm/Ft @ 1.40W/Ft
V2 High Output Outdoor (Page 171): 109Lm/Ft @ 1.80W/Ft

12V
colored light applications

V1 Standard Output RGB (Page 169): 3.90W/Ft
V2 High Output Outdoor RGB (Page 171): 73Lm/Ft @ 1.80W/Ft

24V
white light applications

V1 Standard Output (Page 176): 260Lm/Ft @ 2.10W/Ft
V2 High Output (Page 177): 480Lm/Ft @ 3.80W/Ft

24V
colored light applications

V1 Standard Output RGBW (Page 178): 4.80W/Ft

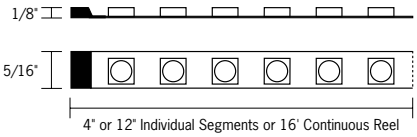
	12V Tapelight					
Tape	V1 Standard Output	V2 High Output	V3 Super High Output	V1 Standard Output Side Emitting	V2 High Output Side Emitting	V2 High Output Outdoor
Max. Distance Single Run	@60W 22ft	@60W 17ft	@60W 12ft	@60W 32ft	@60W 22ft	@60W 32.8ft
	24V Tapelight			**RGB Tapelight**		
Tape	V1 Standard Output	V2 High Output		V1 12V RGB	V1 24V RGBW	
Max. Distance Single Run	@96W 40ft	@96W 25ft		@60W 7ft	@96W 14ft	

KELVIN TEMPERATURE AVAILABILITY

Temperature/Color:	2200K	2700K	3000K	3500K	4000K	5000K	6000K	Blue	Green	Red	Yellow
12V V1 Standard Output	X		X		X		X	X	X	X	X
12V V2 High Output	X	X	X	X	X		X				
12V V3 Super High Output	X	X	X	X	X		X	X	X	X	X
12V V1 Standard Output Side Emitting		X	X	X	X						
12V V2 High Output Side Emitting		X	X	X	X						
12V V2 High Output Outdoor		X			X	X		X	X	X	X
24V V1 Standard Output		X	X	X	X						
24V V2 High Output		X	X	X	X						

All specifications subject to change without notice.

12V SUPER HIGH OUTPUT INDOOR LED TAPELIGHT



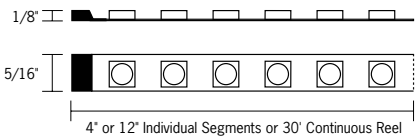
- High output LEDs provide excellent luminous intensities at low drive currents, resulting in low power consumption and consistent, stable performance, delivering 440 lumens (delivered lumens based on 1ft. of 3000K tape)
- 18 LEDs Per foot of tapelight, 3.24W/ft
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors; system is easy to install with no need for field soldering
- The TLT Super High Output tapelight series is available in six color temperatures: 2200K, 2700K, 3000K, 3500K, 4000K, and 6500K, as well as four colors: blue, green, red, and yellow. Colors are not available in Continuous Reel.
- TLT Series tapelight is dimmable using any of the TL series dimming controls
- **Available in 20' reels consisting of connected, individual 12" or 4" segments. Can also be purchased in individual segments.**
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 4" increments to provide optimal fit and flexibility for any installation.
- **SHO Tapelight is also available in 16' continuous reels** (without mid-connectors); includes one female and one male end connector per reel.
- Reel may be cut in 4" increments to provide optimal fit and flexibility for any installation. Use with output connector or female-to-female connector to power cut segment of tape.
- The TLT tapelight is easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces.
- For additional thermal heatsinking, protection of the LEDs and an overall cleaner aesthetic, using the aluminum mounting channel is recommended
- Five (5) year replacement guarantee when tape light is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- 12V, Suitable for dry or damp locations. Not suitable for wet locations.
- *Photometrics and LM-79 data on page 271; Dimming compatibility on page 227-228*

Tapelight	Color Temp		Length/Quantity	
TLT12V3	**22K** - 2200K	**B** - Blue*	**4**	- 4" Individual Segment
	27K - 2700K	**G** - Green*	**4R**	- 20' Reel of 4" Segments (60 pieces total)
	3K - 3000K	**R** - Red*		
	35K - 3500K	**Y** - Yellow*	**12**	- 12" Individual Segment
	4K - 4000K		**12R**	- 20' Reel of 12" Segments (20 pieces total)
	6K - 6500K		**16CR**	- 16' Continuous Reel

**Not available in Continuous Reel*

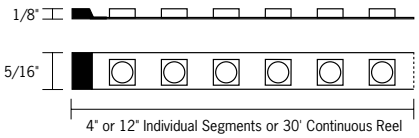
All specifications subject to change without notice.

- High output LEDs provide excellent luminous intensities at low drive currents, resulting in low power consumption and consistent, stable performance, delivering 135 lumens (Delivered lumens based on 1ft. of 3000K tape).
- 18 LEDs Per foot of tapelight, 1.44W/ft
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors. System is easy to install with no need for field soldering.
- The TLT High Output tapelight series is available in five color temperatures including 2200K, 2700K, 3000K, 3500K, 4000K, and 6500K.
- TLT Series tapelight is dimmable using any of the TL series dimming controls.
- **Available in 20' reels consisting of connected, individual 12" or 4" segments. Can also be purchased in individual segments.**
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 2" increments to provide optimal fit and flexibility for any installation.
- **High Output Tapelight is also available in 30' continuous reels** (without mid-connectors) and includes one female and one male end connector per reel.
- Continuous Reel may be cut in 2" increments to provide optimal fit and flexibility for any installation. Use with output connector or female-to-female connector to power cut segment of tape
- Easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces.
- For additional thermal heatsinking, protection of the LEDs and an overall cleaner aesthetic, using the aluminum mounting channel is recommended
- Five (5) year replacement guarantee when tapelight is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- 12V, Suitable for dry or damp locations. Not suitable for wet locations
- *Photometrics and LM-79 data on page 271; Dimming compatibility on page 227-228*



Tapelight	Color Temp	Length/Quantity
TLT12V2	**22K** - 2200K	**4** - 4" Individual Segment
	27K - 2700K	**4R** - 20' Reel of 4" Segments (60 pieces total)
	3K - 3000K	
	35K - 3500K	**12** - 12" Individual Segment
	4K - 4000K	**12R** - 20' Reel of 12" Segments (20 pieces total)
	6K - 6500K	
		30CR - 30' Continuous Reel

12V STANDARD OUTPUT INDOOR LED TAPELIGHT



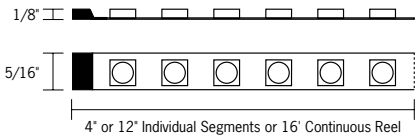
- High quality LEDs provide excellent luminous intensities at low drive currents, resulting in low power consumption and consistent, stable performance, delivering 65 lumens (Delivered lumens based on 1ft. of 3000K tape)
- 18 LEDs Per foot of tapelight, 0.73W/ft
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors. System is easy to install with no need for field soldering.
- The TLT Standard Output tapelight series is available in 2200K, 3000K, 4000K, 6500K, Blue, Green, Red and Yellow. Colors are not available in Continuous Reel.
- TLT Series tapelight is dimmable using any of the TL series dimming controls
- **Available in 20' reels of connected, individual 12" or 4" segments. Can also be purchased in individual segments.**
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 2" increments to provide optimal fit and flexibility for any installation.
- **Standard Output Tapelight is also available in 30' continuous reels** (without mid-connectors); includes one female and one male end connector per reel.
- Continuous Reel may be cut in 2" increments to provide optimal fit and flexibility for any installation. Use with output connector or female-to-female connector to power cut segment of tape.
- Easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces
- For additional thermal heat sinking, protection of the LEDs and an overall cleaner aesthetic, using the aluminum mounting channel is recommended
- Five (5) year replacement guarantee when tapelight is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- 12V, Suitable for dry or damp locations. Not suitable for wet locations.
- *Photometrics and LM-79 data on page 271; Dimming compatibility on page 227-228*

Tapelight	Color Temp	Length/Quantity
TLT12V1	**22K** - 2200K **B** - Blue*	**4** - 4" Individual Segment
	3K - 3000K **G** - Green*	**4R** - 20' Reel of 4" Segments (60 pieces total)
	4K - 4000K **R** - Red*	**12** - 12" Individual Segment
	6K - 6500K **Y** - Yellow*	**12R** - 20' Reel of 12" Segments (20 pieces total)
		30CR - 30' Continuous Reel

**Not available in Continuous Reel*

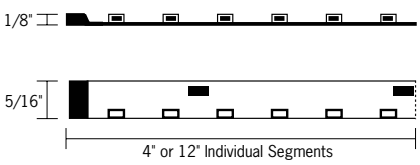
All specifications subject to change without notice.

- LEDs with individual Red, Green and Blue diodes in each, can be programmed to mix and produce many colors of the visible spectrum. Provides excellent luminous intensities at low drive currents resulting in low power consumption, low heat and consistent, stable performance.
- 18 LEDs Per foot of tapelight, 3.9W/ft
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors. System is easy to install with no need for field soldering.
- RGB Series tapelights can be programmed for various color changing effects as well as smooth dimming using any of the TL series dimming and RGB controls.
- **Available in 20' reels consisting of connected, individual 12" or 4" segments.** Can also be purchased in individual segments.
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 4" increments to provide optimal fit and flexibility for any installation.
- **RGB Tapelight is also available in 16' continuous reels** (without mid-connectors), includes one female and one male end connector per reel.
- Continuous Reel may be cut in 4" increments to provide optimal fit and flexibility for any installation. Use with output connector or female-to-female connector to power cut segment of tape.
- Easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces
- For additional thermal heat sinking, protection of the LEDs and an overall cleaner aesthetic, using the aluminum mounting channel is recommended
- Five (5) year replacement guarantee when tapelight is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- 12V, Suitable for dry or damp locations. Not suitable for wet locations.
- *Dimming compatibility on page 227-228*



Tapelight	Color Temp	Length/Quantity
TLT12V1	**RGB** - Color Changing RGB	**4** - 4" Individual Segment **4R** - 20' Reel of 4" Segments (60 pieces total) **12** - 12" Individual Segment **12R** - 20' Reel of 12" Segments (20 pieces total) **16CR** - 16' Continuous Reel

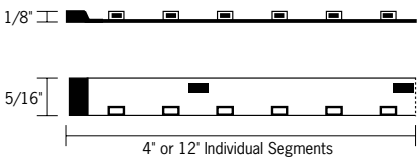
12V HIGH OUTPUT INDOOR SIDE EMITTING LED TAPELIGHT



- Side emitting tape provides one directional light in a low profile
- High output LEDs provide excellent luminous intensities at low drive currents, resulting in low power consumption and consistent, stable performance, delivering 103 lumens/1.4W (Delivered lumens based on 1ft. of 3000K tape).
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors. System is easy to install with no need for field soldering.
- The TLS High Output tapelight series is available in four color temperatures including 2700K, 3000K, 3500K, and 4000K.
- TLS Series tapelight is dimmable using any of the TL series dimming controls.
- **Available in 20' reels consisting of connected, individual 12". Can also be purchased in individual segments.**
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 2" increments to provide optimal fit and flexibility for any installation.
- Easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces
- 12V, Suitable for dry or damp locations. Not suitable for wet locations.
- Five (5) year replacement guarantee when tapelight is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- *Photometrics and LM-79 data on page 272; Dimming compatibility on page 227-228*

Tapelight	Color Temp	Length/Quantity
TLS12V2	**27K** - 2200K	**4** - 4" Individual Segment
	3K - 3000K	**12** - 12" Individual Segment
	35K - 3500K	**12R** - 20' Reel of 12" Segments (20 pieces total)
	4K - 4000K	

12V STANDARD OUTPUT INDOOR SIDE EMITTING LED TAPELIGHT



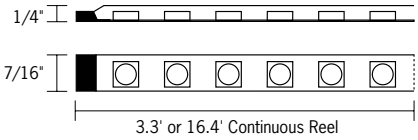
- Side emitting tape provides one directional light in a low profile
- High quality LEDs provide excellent luminous intensities at low drive currents, resulting in low power consumption and consistent, stable performance, delivering 52 lumens/0.6W (Delivered lumens based on 1ft. of 3000K tape).
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors. System is easy to install with no need for field soldering.
- The TLS High Output tapelight series is available in four color temperatures including 2700K, 3000K, 3500K, and 4000K.
- TLS Series tapelight is dimmable using any of the TL series dimming controls.
- **Available in 20' reels consisting of connected, individual 12". Can also be purchased in individual segments.**
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 2" increments to provide optimal fit and flexibility for any installation.
- Easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces
- 12V, Suitable for dry or damp locations. Not suitable for wet locations.
- Five (5) year replacement guarantee when tapelight is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- *Photometrics and LM-79 data on page 272; Dimming compatibility on page 227-228*

Tapelight	Color Temp	Length/Quantity
TLS12V1	**27K** - 2200K	**4** - 4" Individual Segment
	3K - 3000K	**12** - 12" Individual Segment
	35K - 3500K	**12R** - 20' Reel of 12" Segments (20 pieces total)
	4K - 4000K	

All specifications subject to change without notice.

12V HIGH OUTPUT OUTDOOR LED TAPELIGHT KIT

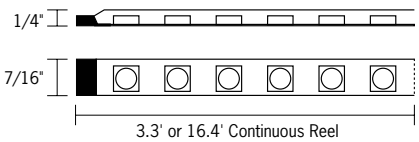
- Flexible, low voltage, wet location, linear LED accent lighting system provides energy-efficient illumination for outdoor applications, **delivering 109 lumens**[1]. Not submersible. **IP65 Rated**.
- Kits consists of (1) 16.4' or 3.3' reel, a tube of silicone sealant, end caps, and clear acrylic mounting clips with screws. Accessories on pages 96-98.
- Available in three color temperatures: Warm White (3000K), Neutral White (4000K), Cool White (5000K), as well as single colors: blue, green, red, and amber. 9 LEDs Per foot, 1.8W/ft.
- Cuttable every 4" or three (3) LEDs, at cut lines only. **One cut per reel only.** Once cut, use enclosed silicone sealant and end cap to create a water-tight seal. Cutting the tape terminates conductivity of the tape on the non-powerfeed end.
- 5' input power connector with water tight plug is attached to the tape and connects into the wet rated, plug-and-play power supply or 2-way splitter. For applications requiring lengths longer than 5', the connector can be field modified. Must use appropriate components that comply with local codes (weather-proof connectors, cord covers, enclosures, etc. if outdoors).
- 36W and 60W plug-and-play power supplies are available, as well as a 2-way power feed splitter. Power supply and splitter sold separately.
- TLTO Series tapelight is dimmable utilizing our 0-10V or wall plate TL dimming modules
- TLTO tapelight can be mounted using the self-stick adhesive backing, the enclosed acrylic mounting clips with screws, or the tape can be adhered to the aluminum mounting channels and installed with appropriate mounting clips. Channels and channel mounting clips sold separately.
- 12V, Wet location listed. Three (3) year replacement guarantee.
- *Dimming compatibility on page 227-228*



Tapelight Kit	Color Temp		Length/Quantity
TLTO12V2	**WW** - 2700K **NW** - 4000K **CW** - 5000K	**A** - Amber **B** - Blue **G** - Green **R** - Red	**3CR** - 3.3' Continuous Reel **16CR** - 16.4' Continuous Reel

12V HIGH OUTPUT RGB OUTDOOR LED TAPELIGHT KIT

- Flexible, low voltage, wet location, linear LED accent lighting system provides energy-efficient illumination for outdoor applications, **delivering 73 lumens**. Not submersible. **IP65 Rated**.
- Kits consist of (1) 16.4' or 3.3' reel, a tube of silicone sealant, end caps, clear acrylic mounting clips with screws, and (1) RGB remote. Accessories on pages 96-98.
- LEDs with individual Red, Green, and Blue diodes in each, can be programmed to mix and produce many colors of the visible spectrum. 9 LEDs Per foot, 1.8W/ft.
- Cuttable every 4" or (3) LEDs, at cut lines only. **One cut per reel only.** Once cut, use enclosed silicone sealant and end cap to create a water-tight seal. Cutting the tape terminates conductivity of the tape on the non-powerfeed end.
- Includes 31" connector from tape to RGB controller, 5' cord from controller to input power connector. 5' input power connector with water tight plug is attached to the tape and connects into the wet rated, plug-and-play power supply or 2-way splitter. For applications requiring lengths longer than 5', the connector can be field modified. Must use appropriate components that comply with local codes (weather-proof connectors, cord covers, enclosures, etc. if outdoors).
- 36W and 60W plug-and-play power supplies are available, as well as a 2-way power feed splitter. Power supply and splitter sold separately.
- TLTO RGB Tapelight can be programmed for various color changing effects using the RGB controller. Also compatible with DMX 512 systems.
- TLTO Series tapelight is dimmable utilizing our 0-10V or wall plate TL dimming modules
- TLTO tapelight can be mounted using the self-stick adhesive backing, the enclosed acrylic mounting clips with screws, or tape can be adhered to aluminum mounting channels and installed with the appropriate mounting clips. Channels and channel mounting clips sold separately.
- 12V, Wet location listed. Three (3) year replacement guarantee.
- *Dimming compatibility on page 227-228*



Tapelight Kit	Color Temp	Length/Quantity
TLTO12V2	**RGB** - Color Changing RGB	**3CR** - 3.3' Continuous Reel **16CR** - 16.4' Continuous Reel

All specifications subject to change without notice.

12V TAPELIGHT ACCESSORIES

Indoor Power Supplies and Accessories

24W Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Plug-in unit measures 3-1/4" L x 1-3/4" W x 1-1/4" D; system length: 6'.
TLP12VP24

36W Desktop Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 4" L x 2" W x 1-1/4" D; system length: 10'.
TLP12VP36

60W Desktop Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 4-1/2" L x 2" W x 1-1/4" D; system length: 12'.
TLP12VP60

Plug-and-Play Power Supply Extension
Includes male and female plug connectors.
TLCEXT48 - 48"
TLCEXT96 - 96"

Plug-and-Play 2-Way Splitter
Includes (1) male and (2) female connectors. Approximately 2' long.
TLCS2

Plug-and-Play 3-Way Splitter
Includes (1) male plug connector and (3) female plug connectors. Approximately 2' long.
TLCS3

Hardwire Female Connector
6" Connector includes a wire pigtail end and a female plug connector on the other end. Used to add plug and play female connector to hard-wire power supplies.
TLCCF

Hardwire Male Connector
6" Connector includes a wire pigtail end and a male plug connector on the other end. Used for easy plug in connection to plug and play power supply and wire end can be connected to RGB controller at the screw terminals.
TLCCM

Plug-In Power Connectors

Input Power Connector
Includes (1) male plug connector and (1) male connector.
TLCIP12 - 12"
TLCIP19 - 19" with 5-3/4" flex tape lead

Output Power Connector
Includes (1) male plug connector and (1) female flex tape connector; 12".
TLCOP12

Outdoor Power Supplies and Accessories

36W Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 7-1/8" L x 2" W x 1-5/8" D; system length: 7'.
TLPO12VP36

60W Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 7-1/8" L x 2" W x 1-5/8" D; system length: 7'.
TLPO12VP60

Plug-and-Play 2-Way Splitter
Includes (1) male and (2) female connectors. Approximately 22" long.
TLCOS2

Universal Power Supplies

Hardwire Power Supply
120VAC/12VDC or 277V/12VDC. Includes stripped and tinned wire pigtails on the input and output sides. Must be maintained within an enclosure that meets local building codes and NEC (supplied by others). 2' Wire leads.
TLP12VHW20 - 120V/20W;
4-3/4" L x 1-3/16" W x 1" D
TLP12VHW60 - 120V/60W;
6-1/2" L x 1-3/4" W x 1-1/4" D
TLP12VHW60277 - 120/277V/60W;
6-1/2" L x 1-3/4" W x 1-1/4" D

Hardwire Class II Enclosed Driver
120VAC/12VDC. Dimmable Class 2 driver. Compact self-enclosed driver with two (2) knockouts. Auto Reset and short circuit protection.
TLP12VHW20-ENC - 120V/20W;
6-3/4"L x 2-5/8"W x 1-1/4"D
TLP12VHW60-ENC - 120V/60W;
6-3/4"L x 2-5/8"W x 1-1/4"D

Hardwire Power Connectors

Input Power Connector
Includes wire pigtail end and (1) male connector.
TLCIP12HW - 12"
TLCIP19HW - 19" with 5-3/4" flex tape lead

Output Power Connector
12" Output power connector. Includes wire pigtail end and (1) female flex tape connector.
TLCOP12HW

RGB Input Power Connector
Includes wire pigtail end and (1) male flex tape connector. Use with RGB Controller, LED Power Repeater and DMX 512 CV Decoder.
TLCIP12HWRGB - 12"

RGB Output Power Connector
Includes wire pigtail end and (1) female flex tape connector. Use with RGB Controller, LED Power Repeater and DMX 512 CV Decoder.
TLCOP12HWRGB - 12"

All specifications subject to change without notice.

Controllers

LED Power Repeater
Enables synchronized control of multiple runs from one controller. Not UL listed for outdoor use. 4-3/4" L x 1-1/2" W x 1-1/2" D.
TLPRPT

DMX 512 CV Decoder
Designed to convert universal DMX 512 signal to PWM signal when used with a DMX 512 console (by others). Can control single color, white, or RGB LEDs. Not UL listed for outdoor use. 6-3/16" L x 3-1/8" W x 1-5/8" D.
TLPINT

0-10V Dimming Module
For use with standard 0-10V dimmers. Dimming down to 15%. Not UL listed for outdoor use. Not compatible with RGB tapelight. 4-3/4" L x 1-1/2" W x 1-1/2" D.
TLPDIM10V

Wall Plate Dimmer
Allows adjustment of the brightness of the LEDs using the knob adjustment or the IR remote control. Dimming down to 1%. Not UL listed for outdoor use. Not compatible with RGB tapelight. 3-7/16" square x 2-1/4" deep.
TLPDIMWP

RGB Controller with RF Remote Control
12V/24V. Pre-programmed functions include: color strobe, 3-channel color change and gradual brightness change. Includes two (2) programmable presets. Not compatible with outdoor tapelight. 8-3/8" L x 1-5/8" W x 1-3/16" D.
TLPRGBRF

Replacement RGB Outdoor Remote Control
Included with RGB outdoor tapelight kit; control for RGB outdoor tapelight. 3-1/4" L x 2" W x 1/4" D.
TLPORGBRMT

Linear Connectors

Bridge Connector
Bridges gap(s) where LEDs are not necessary. 6" and 12" Lengths are field cuttable every inch.
TLCM2 - 2"
TLCM6 - 6"
TLCM12 - 12"

Cross Connector
Connects up to four (4) TLT segments. May be cut to create 2-way "L" connection or 3-way "T" connection.
TLCX

Female-to-Female Connector
1" Connector with two (2) female ends.
TLCFF

RGB Bridge Connector
Bridges gap(s) where LEDs are not necessary. 6" and 12" Lengths are field cuttable every inch.
TLCM2RGB - 2"
TLCM12RGB - 12"
TLCM6RGB - 6"

RGB Cross Connector
Connects up to four (4) TLT segments. May be cut to create 2-way "L" connection or 3-way "T" connection.
TLCXRGB

RGB Female-to-Female Connector
1" Connector with two (2) female ends.
TLCFFRGB

IR Controllers

Switch, LED Tapelight IR Cabinet
Allows on/off switching functionality for use with cabinet doors. 36W MAX. 1-1/2" L x 1-3/16" W x 5/16" H
TLPICB

Switch, LED Tapelight IR Wireless Waving
Allows wireless on/off switching functionality by waving an object within the IR field. 36W MAX. 1-1/2" L x 1-3/16" W x 5/16" H
TLPIWV

Dimmer, LED Tapelight Touch
Allows adjustment of the brightness of the LEDs by touching the controller housing. 36W Max. Not compatible with RGB tapelight. 1-1/2" L x 1-3/16" W x 5/16" H
TLPIDM

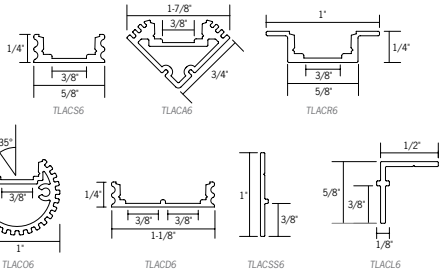
TAPELIGHT ACCESSORIES

Mounting Accessories

Aluminum Mounting Channels

Provides excellent heat sinking and protection to the LEDs while ensuring a clean, straight run. Outdoor/wet listed tapelight is not compatible with channel end caps or diffusion lenses.

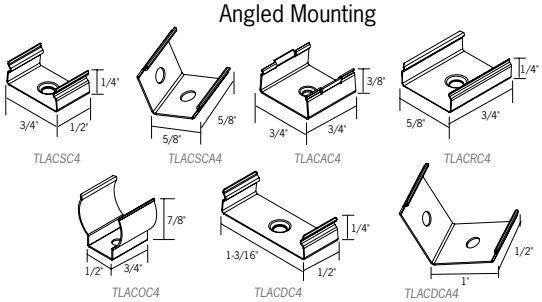
TLACS6 - 6' Standard Channel, Aluminum
TLACS6-B - 6' Standard Channel, Black
TLACA6 - 6' 45° Angled Channel, Aluminum
TLACA6-B - 6' 45° Angled Channel, Black
TLACR6 - 6' Recessed Channel, Aluminum
TLACR6-B - 6' Recessed Channel, Black
TLACO6 - 6' Round Channel, Aluminum
TLACO6-B - 6' Round Channel, Black
TLACD6 - 6' Double Wide Channel, Aluminum
TLACD6-B - 6' Double Wide Channel, Black
TLACSS6 - 6' Side Emitting Standard Channel, Aluminum, Available Q3
TLACSS6-B - 6' Side Emitting Standard Channel, Black, Available Q3
TLACL6 - 6' Side Emitting "L" Channel, Aluminum, Available Q3
TLACL6-B - 6' Side Emitting "L" Channel, Black, Available Q3



Mounting Channel Mounting Clips

(4) Mounting clips and (4) Philips head screws per package. 24" Between clips recommended for most applications.

TLACSC4 - Standard Channel Mounting
TLACSCA4 - Standard Channel, Angled Mounting
TLACAC4 - Angled Channel Mounting
TLACRC4 - Recessed Channel Mounting
TLACOC4 - Round Channel Mounting
TLACDC4 - Double Wide Channel Mounting
TLACDCA4 - Double Wide Channel, Angled Mounting



Outdoor Mounting Clips

Included with wet listed/outdoor tapelight kit. Four (4) mounting clips and eight (8) Philips head screws per package. 24" Between clips is recommended for most applications.

TLAOMC4

Mounting Channel End Caps

Creates a clean finish to the mounting channel. Set of two (2) end caps; one open, one closed. Outdoor/wet listed tapelight is not compatible with channel end caps.

TLACSE2 - Standard Channel End Caps, Grey
TLACSE2-B - Standard Channel End Caps, Black
TLACAE2 - Angled Channel End Caps, Grey
TLACAE2-B - Angled Channel End Caps, Black
TLACRE2 - Recessed Channel End Caps, Grey
TLACRE2-B - Recessed Channel End Caps, Black
TLACOE2 - Round Channel End Caps, Grey
TLACOE2-B - Round Channel End Caps, Black
TLACDE2 - Double Wide Channel End Caps, Grey
TLACDE2-B - Double Wide Channel End Caps, Black

Outdoor/Wet Listed Tapelight End Caps

Included with wet listed/outdoor tapelight kit. Use with silicone sealant to create a water tight seal after tape is cut. Set of two (2) end caps.

TLAOEC2

Outdoor/Wet Listed Tapelight Silicone Sealant

Included with wet listed/outdoor tapelight kit. For securing end caps to end of tapelight to create a water-tight seal.

TLAOSG

Acrylic Diffusion Lens

For use with mounting channel. Provides extra protection for the LEDs as well as diffusion to reduce glare. Outdoor/wet listed tapelight is not compatible with diffusion lenses. 6' L x 1/2" W.

TLALC6 - Clear Lens
TLALF6 - Frosted Lens

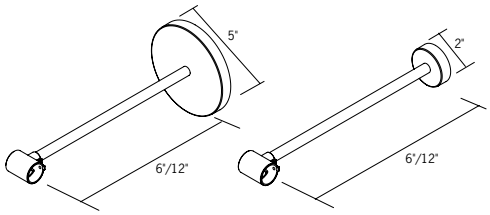
Wall Mount Bracket

For use with round mounting channel. Field cuttable stem, with lockable aiming. Stem sold separately. Bracket kit includes mounting canopy, elbow and mounting hardware. Not approved for ceiling mount.

TLPWM2 - 2" Wall Mount Bracket, Aluminum
TLPWM2-B - 2" Wall Mount Bracket, Black
TLPWM5 - 5" Wall Mount Bracket, Aluminum
TLPWM5-B - 5" Wall Mount Bracket, Black
TLPWMC2 - 2" Center Support Wall Mount Bracket, Aluminum
TLPWMC2-B - 2" Center Support Wall Mount Bracket, Black
TLPWMC5 - 5" Center Support Wall Mount Bracket, Aluminum
TLPWMC5-B - 5" Center Support Wall Mount Bracket, Black

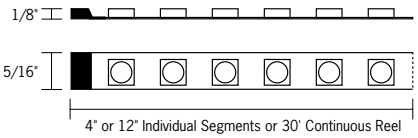
Stems

WMSTEM6 - 6" Stem, Aluminum
WMSTEM6-B - 6" Stem, Black
WMSTEM12 - 12" Stem, Aluminum
WMSTEM12-B - 12" Stem, Black



All specifications subject to change without notice.

24V STANDARD OUTPUT INDOOR LED TAPELIGHT

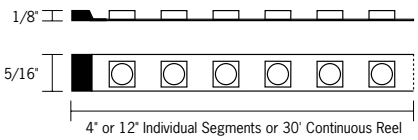


- Standard output LEDs provide excellent luminous intensities at low drive currents, resulting in low power consumption and consistent, stable performance, delivering 260 lumens (Delivered lumens based on 1ft. of 3000K tape).
- 2.1W/ft
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors. System is easy to install with no need for field soldering.
- The TLT High Output tapelight series is available in five color temperatures including 2200K, 2700K, 3000K, 3500K, 4000K, and 6500K.
- TLT Series tapelight is dimmable using any of the TL series dimming controls.
- **Available in 20' reels consisting of connected, individual 12" or 4" segments. Can also be purchased in individual segments.**
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 2" increments to provide optimal fit and flexibility for any installation.
- **High Output Tapelight is also available in 30' continuous reels** (without mid-connectors) and includes one female and one male end connector per reel.
- Continuous Reel may be cut in 2" increments to provide optimal fit and flexibility for any installation. Use with output connector or female-to-female connector to power cut segment of tape
- Easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces.
- For additional thermal heatsinking, protection of the LEDs and an overall cleaner aesthetic, using the aluminum mounting channel is recommended
- Five (5) year replacement guarantee when tapelight is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- 24V, Suitable for dry or damp locations. Not suitable for wet locations
- *Dimming compatibility on page 227-228*

Tapelight	Color Temp	Length/Quantity
TLT24V1	**22K** - 2200K	**4** - 4" Individual Segment
	27K - 2700K	**4R** - 20' Reel of 4" Segments (60 pieces total)
	3K - 3000K	
	35K - 3500K	**12** - 12" Individual Segment
	4K - 4000K	**12R** - 20' Reel of 12" Segments (20 pieces total)
	6K - 6500K	
		30CR - 30' Continuous Reel

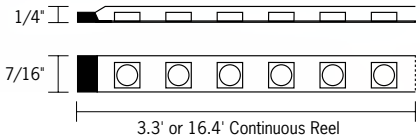
All specifications subject to change without notice.

- High output LEDs provide excellent luminous intensities at low drive currents, resulting in low power consumption and consistent, stable performance, delivering 480 lumens (delivered lumens based on 1ft. of 3000K tape)
- 3.8W/ft
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors; system is easy to install with no need for field soldering
- The TLT Super High Output tapelight series is available in six color temperatures: 2200K, 2700K, 3000K, 3500K, 4000K, and 6500K.
- TLT Series tapelight is dimmable using any of the TL series dimming controls
- **Available in 20' reels consisting of connected, individual 12" or 4" segments. Can also be purchased in individual segments.**
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 4" increments to provide optimal fit and flexibility for any installation.
- **HO 24V Tapelight is also available in 30' continuous reels** (without mid-connectors); includes one female and one male end connector per reel.
- Reel may be cut in 2" increments to provide optimal fit and flexibility for any installation. Use with output connector or female-to-female connector to power cut segment of tape.
- The TLT tapelight is easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces.
- For additional thermal heatsinking, protection of the LEDs and an overall cleaner aesthetic, using the aluminum mounting channel is recommended
- Five (5) year replacement guarantee when tape light is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- 24V, Suitable for dry or damp locations. Not suitable for wet locations.
- *Dimming compatibility on page 227-228*



Tapelight	Color Temp	Length/Quantity
TLT24V2	**22K** - 2200K	**4** - 4" Individual Segment
	27K - 2700K	**4R** - 20' Reel of 4" Segments (60 pieces total)
	3K - 3000K	
	35K - 3500K	**12** - 12" Individual Segment
	4K - 4000K	**12R** - 20' Reel of 12" Segments (20 pieces total)
	6K - 6500K	
		30CR - 30' Continuous Reel

24V STANDARD OUTPUT RGBW INDOOR LED TAPELIGHT



- Flexible, low voltage linear LED accent lighting system
- LEDs with individual Red, Green, Blue, and White diodes in each, can be programmed to mix and produce many colors of the visible spectrum
- Provides excellent luminous intensities at low drive currents resulting in low power consumption, low heat and consistent, stable performance
- Modular “plug and play” system features a wide range of power supplies, controllers and connectors. System is easy to install with no need for field soldering.
- RGBW Series tapelights can be programmed for various color changing effects as well as smooth dimming using any of the TL series dimming and RGBW controls
- Available in 20' reels consisting of connected, individual 12" or 4" segments. Can also be purchased in individual segments.
- Each segment includes male and female connector ends for continuous linear installations. Each 12" segment can also be cut (on the cut lines) in 4" increments to provide optimal fit and flexibility for any installation.
- RGBW Tapelight is also available in 16' continuous reels (without mid-connectors), includes one female and one male end connector per reel. Continuous Reel may be cut in 4" increments to provide optimal fit and flexibility for any installation.
- Use with output connector or female-to-female connector to power cut segment of tape
- The TLT tapelight is easy to install using the 3M double sided adhesive on each segment; tape can be directly mounted to most surfaces
- For additional thermal heatsinking, protection of the LEDs and an overall cleaner aesthetic, using the aluminum mounting channel (standard, recessed, or angled) is recommended
- The aluminum mounting channel is easily installed utilizing the appropriate set of mounting clips
- This product is covered by ConTech's full replacement guarantee after date of purchase: Five (5) year replacement guarantee when tape light is installed using the aluminum mounting channel; Three (3) year replacement guarantee when installed without the aluminum mounting channel
- cCSAus Certified to UL standards
- Suitable for dry or damp locations; not suitable for wet locations

Tapelight	Color Temp	Length/Quantity
TLT24V1	**RGBW** - RGB Color Changing	**4** - 4" Individual Segment **4R** - 20' Reel of 4" Segments (60 pieces total) **12** - 12" Individual Segment **12R** - 20' Reel of 12" Segments (20 pieces total) **16CR** - 16' Continuous Reel

All specifications subject to change without notice.

24V TAPELIGHT ACCESSORIES

Plug-In Power Supplies and Accessories

24V Plug-and-Play Power Supplies
120VAC/24VDC. Includes AC wall plug and female power output plug for easy installation. Plug-in unit measures 3-1/4" L x 1-3/4" W x 1-1/4" D; system length: 6'. For use with 24V Tapelight only.
TLP24VP36 - 36W/24V Plug-and-Play Power Supply
TLP24VP60 - 60W/24V Plug-and-Play Power Supply
TLP24VP96 - 96W/24V Plug-and-Play Power Supply

Plug-and-Play Power Supply Extension
Includes male and female plug connectors. For use with 12V or 24V LED Tapelight.
TLCEXT48 - 48"
TLCEXT96 - 96"

Plug-and-Play 2-Way Splitter
Includes (1) male and (2) female connectors. Approximately 2' long. For use with 12V or 24V LED Tapelight.
TLCS2

Plug-and-Play 3-Way Splitter
Includes (1) male plug connector and (3) female plug connectors. Approximately 2' long. For use with 12V or 24V LED Tapelight.
TLCS3

Input Power Connector
Includes (1) male plug connector and (1) male connector. For use with 12V or 24V LED Tapelight.
TLCIP12 - 12"
TLCIP19 - 19" with 5-3/4" flex tape lead

Output Power Connector
Includes (1) male plug connector and (1) female flex tape connector; 12". For use with 12V or 24V LED Tapelight.
TLCOP12

Hardwire Power Supplies and Accessories

24V Hardwire Power Supply
120VAC/24VDC. Includes stripped and tinned wire pigtails on the input and output sides. Must be maintained within an enclosure that meets local building codes and NEC (supplied by others). 1' Wire leads. Class II. For use with 24V LED Tapelight only.
TLP24VHW20 - 120V/20W; 5-3/4" L x 1-1/2" W x 1-1/4" D
TLP24VHW60 - 120V/60W; 6-1/3" L x 1-3/4" W x 1-1/4" D
TLP24VHW96 - 120V/96W; 8-3/4" L x 2-2/3" W x 1-1/2" D

24V Hardwire Class II Enclosed Driver
120VAC/24VDC. Dimmable Class 2 driver. Compact self-enclosed driver with two (2) knockouts. Auto Reset and short circuit protection. 120V Dimming only, not compatible with low voltage. For use with 24V LED Tapelight only.
TLP24VHW60-ENC - 120V/20W; 6-3/4"L x 2-2/3"W x 1-1/4"D
TLP24VHW96-ENC - 120V/60W; 6-3/4"L x 2-2/3"W x 1-1/4"D

Input Power Connector
Includes wire pigtail end and (1) male connector. For use with 12V or 24V LED Tapelight.
TLCIP12HW - 12"
TLCIP19HW - 19"

Output Power Connector
12" Output power connector. Includes wire pigtail end and (1) female flex tape connector. For use with 12V or 24V LED Tapelight.
TLCOP12HW

RGBW Input Power Connector
Includes wire pigtail end and (1) male flex tape connector. Use with RGBW Controller, LED Power Repeater and DMX 512 CV Decoder.
TLCIP12HWRGBW - 12"

RGBW Output Power Connector
Includes wire pigtail end and (1) female flex tape connector. Use with RGBW Controller, LED Power Repeater and DMX 512 CV Decoder.
TLCOP12HWRGBW - 12"

Hardwire Female Connector
6" Connector includes a wire pigtail end and a female plug connector on the other end. Used to add plug and play female connector to hardwire power supplies. For use with 12V or 24V LED Tapelight.
TLCCF

Hardwire Male Connector
6" Connector includes a wire pigtail end and a male plug connector on the other end. Used for easy plug in connection to plug and play power supply and wire end can be connected to RGB controller at the screw terminals. For use with 12V or 24V LED Tapelight.
TLCCM

All specifications subject to change without notice.

Linear Connectors

Bridge Connector
Bridges gap(s) where LEDs are not necessary. 6" and 12" Lengths are field cuttable every inch. For use with 12V or 24V LED Tapelight.
TLCM2 - 2"
TLCM6 - 6"
TLCM12 - 12"

RGBW Bridge Connector
Bridges gap(s) where LEDs are not necessary. 6" and 12" Lengths are field cuttable every inch. For use with 24V LED Tapelight only.
TLCM2RGBW - 2"
TLCM6RGBW - 6"
TLCM12RGBW - 12"

Cross Connector
Connects up to four (4) TLT segments. May be cut to create 2-way "L" connection or 3-way "T" connection. For use with 12V or 24V LED Tapelight.
TLCX

RGBW Cross Connector
Connects up to four (4) TLT segments. May be cut to create 2-way “L” connection or 3-way “T” connection. For use with 24V LED Tapelight only.
TLCXRGBW

Female-to-Female Connector
1" Connector with two (2) female ends. For use with 12V or 24V LED Tapelight. For use with 12V or 24V LED Tapelight.
TLCFF

RGBW Female-to-Female Connector
1" Connector with two (2) female ends. For use with 24V LED Tapelight only.
TLCFFRGB

Controllers

LED Power Repeater
Enables synchronized control of multiple runs from onecontroller. 5-5/16" L x 1-3/4" W x 1-1/8" D. For use with 24V RGBW LED Tapelight only.
TLPRPTW

DMX 512 CV Decoder
Designed to convert universal DMX 512 signal to PWM signal when used with a DMX 512 console (by others). Can control single color, white, or RGBW LEDs. Not UL listed for outdoor use. 6-3/16" L x 3-1/8" W x 1-5/8" D. For use with 12V or 24V LED Tapelight.
TLPINT

RGBW Touch Controller
Dial Touch Controller, select color by color wheel. Speed and brightness control. Pre-selected modes. 6-7/8" L x 1-3/4" W x 1-3/16" D. For use with 12V or 24V LED Tapelight. 20AMP Max.
TLPRGBWTC

RGBW 28-Key Remote Controller
28-Key RF Remote for color, speed, and brightness control. Seven (7) programmable scenes. 6-7/8" L x 1-3/4" W x 1-3/16" D. For use with 12V or 24V LED Tapelight. 20AMP Max.
TLPRGBWRF

0-10V Dimming Module
For use with standard 0-10V dimmers. Dimming down to 15%. Not UL listed for outdoor use. For use with 12V or 24V LED Tapelight. 4-3/4" L x 1-1/2" W x 1-1/2" D.
TLPDIM10V

Wall Plate Dimmer
Allows adjustment of the brightness of the LEDs using the knob adjustment or the IR remote control. Dimming down to 1%. Not UL listed for outdoor use. For use with 12V or 24V LED Tapelight. 3-7/16" square x 2-1/4" deep.
TLPDIMWP

Switch, LED Tapelight IR Cabinet
Allows on/off switching functionality for use with cabinet doors. For use with 12V or 24V LED Tapelight. 36W MAX. 1-1/2” L x 1-3/16” W x 5/16” H
TLPICB

Switch, LED Tapelight IR Wireless Waving
Allows wireless on/off switching functionality by waving an object within the IR field. For use with 12V or 24V LED Tapelight. 36W MAX. 1-1/2” L x 1-3/16” W x 5/16” H
TLPIWV

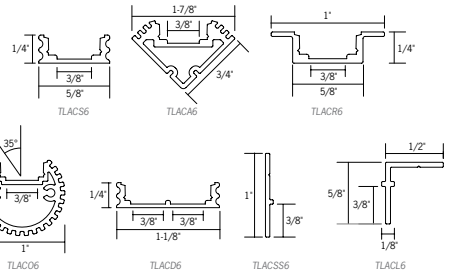
Dimmer, LED Tapelight Touch
Allows adjustment of the brightness of the LEDs by touching the controller housing. 36W Max. For use with 12V or 24V LED Tapelight, not compatible with RGBW Tapelight.
1-1/2” L x 1-3/16” W x 5/16” H
TLPIDM

Mounting Accessories

Aluminum Mounting Channels

Provides excellent heat sinking and protection to the LEDs while ensuring a clean, straight run. Outdoor/wet listed tapelight is not compatible with channel end caps or diffusion lenses.

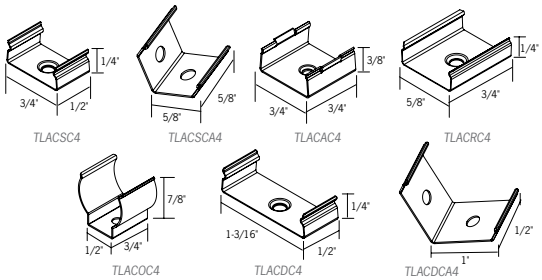
TLACS6 - 6' Standard Channel, Aluminum
TLACS6-B - 6' Standard Channel, Black
TLACA6 - 6' 45° Angled Channel, Aluminum
TLACA6-B - 6' 45° Angled Channel, Black
TLACR6 - 6' Recessed Channel, Aluminum
TLACR6-B - 6' Recessed Channel, Black
TLACO6 - 6' Round Channel, Aluminum
TLACO6-B - 6' Round Channel, Black
TLACD6 - 6' Double Wide Channel, Aluminum
TLACD6-B - 6' Double Wide Channel, Black



Mounting Channel Mounting Clips

(4) Mounting clips and (4) Philips head screws per package. 24" Between clips recommended for most applications.

TLACSC4 - Standard Channel Mounting
TLACSCA4 - Standard Channel, Angled Mounting
TLACAC4 - Angled Channel Mounting
TLACRC4 - Recessed Channel Mounting
TLACOC4 - Round Channel Mounting
TLACDC4 - Double Wide Channel Mounting
TLACDCA4 - Double Wide Channel, Angled Mounting



Mounting Channel End Caps

Creates a clean finish to the mounting channel. Set of two (2) end caps; one open, one closed. Outdoor/wet listed tapelight is not compatible with channel end caps.

TLACSE2 - Standard Channel End Caps, Grey
TLACSE2-B - Standard Channel End Caps, Black
TLACAE2 - Angled Channel End Caps, Grey
TLACAE2-B - Angled Channel End Caps, Black
TLACRE2 - Recessed Channel End Caps, Grey
TLACRE2-B - Recessed Channel End Caps, Black
TLACOE2 - Round Channel End Caps, Grey
TLACOE2-B - Round Channel End Caps, Black
TLACDE2 - Double Wide Channel End Caps, Grey
TLACDE2-B - Double Wide Channel End Caps, Black

Acrylic Diffusion Lens

For use with mounting channel. Provides extra protection for the LEDs as well as diffusion to reduce glare. Outdoor/wet listed tapelight is not compatible with diffusion lenses. 6' L x 1/2" W.

TLALC6 - Clear Lens
TLALF6 - Frosted Lens

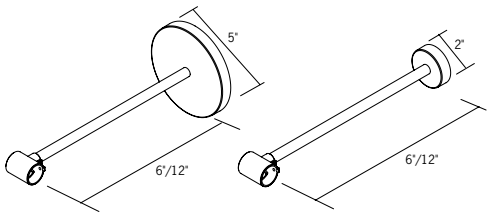
Wall Mount Bracket

For use with round mounting channel. Field cuttable stem, with lockable aiming. Stem sold separately. Bracket kit includes mounting canopy, elbow and mounting hardware. Not approved for ceiling mount.

TLPWM2 - 2" Wall Mount Bracket, Aluminum
TLPWM2-B - 2" Wall Mount Bracket, Black
TLPWM5 - 5" Wall Mount Bracket, Aluminum
TLPWM5-B - 5" Wall Mount Bracket, Black
TLPWMC2 - 2" Center Support Wall Mount Bracket, Aluminum
TLPWMC2-B - 2" Center Support Wall Mount Bracket, Black
TLPWMC5 - 5" Center Support Wall Mount Bracket, Aluminum
TLPWMC5-B - 5" Center Support Wall Mount Bracket, Black

Stems

WMSTEM6 - 6" Stem, Aluminum
WMSTEM6-B - 6" Stem, Black
WMSTEM12 - 12" Stem, Aluminum
WMSTEM12-B - 12" Stem, Black



All specifications subject to change without notice.

ACCENT LUMINAIRES BY sirius® lighting 185
PUCK LIGHTS 188
STEP AND MARKER LIGHTS 191
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DISPLAY LIGHTING 195
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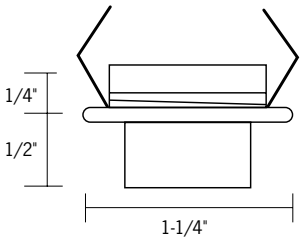
ACCENT/DISPLAY LIGHTING

sirius® lighting DIANA

- LED recessed luminaire with a 2W/350mA Constant Current chip
- Opal optic shade
- (1) 2W White LED
- Available in two color temperatures
- Must be used with a 120V, 350mA secondary, Class II electronic driver to provide power to the LED luminaire
- 120V, Dry location listed
- See page 226 for LED drivers
- *Photometrics and LM-79 data on page 261*



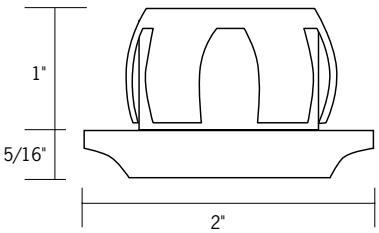
Luminaire		Finish
MT30121 - 5500K **MT30126** - 3000K (Platinum Only)	—	**C** - Chrome **PL** - Platinum

All specifications subject to change without notice.

sirius® lighting VENUS

SR2000

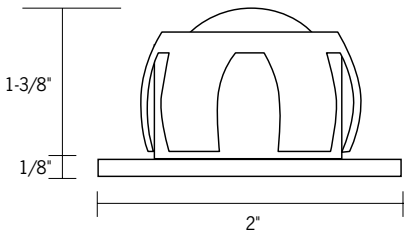
SR2003



- LED recessed luminaire
- (1) 5W LED; 700mA Constant Current recessed LED luminaire
- Two color temperatures and two beam spreads
- Must be used with a 120V, 700mA secondary, Class II, constant current LED Driver to provide power to the LED luminaires
- See page 226 for LED drivers

Luminaire	—	Finish
SR2000 - 36º, 5500K **SR2001** - 36º, 3000K **SR2002** - 20º, 5500K **SR2003** - 20º, 3000K		**PL** - Platinum

sirius® lighting ERIS



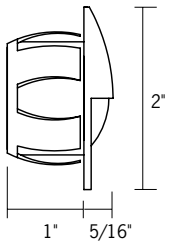
- Recessed adjustable LED luminaire
- (1) 5W/700mA Constant Current Recessed LED luminaire
- Available with a 30° beam and in two color temperatures: 3000K (Warm) and 5500K (Cool)
- High output LED with extra long life: 50,000 hours (dependent on surrounding temperatures)
- Must be used with a 120V, 700mA secondary, Class II, constant current LED Driver to provide power to the LED luminaires
- 120V, Dry location listed
- See page 226 for LED drivers

Luminaire	—	Finish
SR2008 - 5500K **SR2009** - 3000K		**C** - Chrome

All specifications subject to change without notice.

sirius® lighting SMILE

- Recessed LED step/accent luminaire
- (1) 5W/700mA Constant Current luminaire
- Available with a white, forward throw LED
- ADA compliant
- Must be used with a 120V, 700mA secondary, Class II, electronic LED Driver to provide power to the LED luminaires
- 120V, Dry location listed
- See page 226 for LED drivers



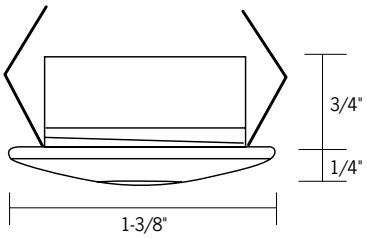
Luminaire	—	Finish
SR2006		**C** - Chrome **PL** - Platinum

sirius® lighting PLUTON

- Recessed LED accent luminaire
- (1) 5W/700mA Constant Current luminaire
- 20° lens
- Available with white or blue LEDs
- Must be used with a 120V,700mA secondary, Class II, electronic LED Driver to provide power to the LED luminaires
- 120V, Dry location listed
- See page 226 for LED drivers

SR2004

SR2005

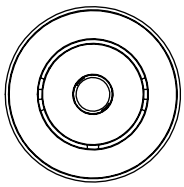


Luminaire	—	Finish
SR2004 - White LED **SR2005** - Blue LED		**PL** - Platinum

All specifications subject to change without notice.

2W LED PUCK LIGHT

- Fully adjustable single 1W LED light source
- Die cast aluminum housing
- Two light distributions: 20° (spot) and 40° (flood)
- Two color temperatures: 5000K (cool white) and 3000K (warm white)
- Powder-coat finish offered in Silver or White
- No infrared or ultraviolet radiation
- Resistant to shock and vibration
- Must be used with a 120V, 350mA secondary Class II electronic LED driver to provide power to the LED luminaire
- 120V, Dry location listed
- See page 226 for LED drivers



OD: 2", Depth: 15/16"

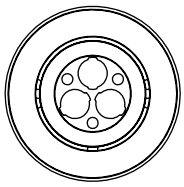
Luminaire	Beam	Color Temp	Finish
PA1 - Single Light Adjustable	**F** - 40° Flood **S** - 20° Spot	**30K** - 3000K **50K** - 5000K	**P** - White **S** - Silver

Accessories

PLE(2, 4, 6) - Plug-and-play extensions
PLE-CL - Closed loop plug
PASC1 - Surface collar for PA1, white (-P) or silver (-S) finish
18-2 SOL CL2P - 18-2 Class II Plenum Wire (Sold in Foot Increments)

4W LED PUCK LIGHT

- Fully adjustable three (3) lamp, 4W LED light source
- Die cast aluminum housing
- Two light distributions: 20° (spot) and 40° (flood)
- Two color temperatures: 5000K (cool white) and 3000K (warm white)
- Powder-coat finish offered in Silver or White
- No infrared or ultraviolet radiation
- Resistant to shock and vibration
- Must be used with a 120V, 350mA secondary Class II electronic LED driver to provide power to the LED luminaire
- 120V, Dry location listed
- See page 226 for LED drivers



OD: 2-1/4", Depth: 1-1/16"

Luminaire	Beam	Color Temp	Finish
PA3 - Three Light Adjustable	**F** - 40° Flood **S** - 20° Spot	**30K** - 3000K **50K** - 5000K	**P** - White **S** - Silver

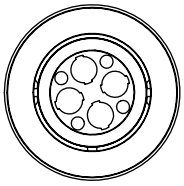
Accessories

PLE(2, 4, 6) - Plug-and-play extensions
PLE-CL - Closed loop plug
PASC3 - Surface collar for PA3, white (-P) or silver (-S) finish
18-2 SOL CL2P - 18-2 Class II Plenum Wire (Sold in Foot Increments)

All specifications subject to change without notice.

5W LED PUCK LIGHT

- Fully adjustable four lamp, 5W LED light source
- Die cast aluminum housing
- Two light distributions: 20° (spot) and 40° (flood)
- Two color temperatures: 5000K (cool white) and 3000K (warm white)
- Powder-coat finish offered in Silver or White
- No infrared or ultraviolet radiation
- Resistant to shock and vibration
- Must be used with a 120V, 350mA secondary Class II electronic LED driver to provide power to the LED luminaire
- 120V, Dry location listed
- See page 226 for LED drivers



OD: 2-1/2", Depth: 1-1/4"

Luminaire	Beam	Color Temp	Finish
PA4 - Four Light Adjustable	**F** - 40° Flood **S** - 20° Spot	**30K** - 3000K **50K** - 5000K	**P** - White **S** - Silver

Accessories

PLE(2, 4, 6) - Plug-and-play extensions
PLE-CL - Closed loop plug
PASC4 - Surface collar for PA4, white (-P) or silver (-S) finish
18-2 SOL CL2P - 18-2 Class II Plenum Wire (Sold in Foot Increments)

ACCESSORIES FOR LED PUCK LIGHTS

PLE2
Two lamp plug-and-play with 78" extension

PLE4
Three lamp plug-and-play with 78" extension; includes two (2) closed loop plugs

PLE6
Six lamp plug-and-play with 78" extension; includes three (3) closed loop plugs

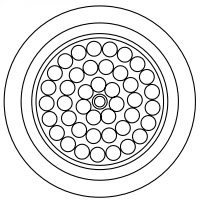
PLECL
Closed loop plug for odd lamp configurations

18-2 SOL CL2P
18-2 Class II Plenum Wire (Sold in Foot Increments)

PASC1-(P,S) - Surface collar for PA1; 2-1/8" Diameter, 1-1/4" H White or Silver Finish
PASC3-(P,S) - Surface collar for PA3; 2-3/8" Diameter, 1-7/16" H White or Silver Finish
PASC4-(P,S) - Surface collar for PA4; 2-5/8" Diameter, 1-5/8" H White or Silver Finish

All specifications subject to change without notice.

3W LED SURFACE MOUNT PUCK LIGHT



- Low profile surface mount puck light
- Delivers soft diffused lighting
- Comes with interchangeable clear and frosted lenses
- Easy to install with lug and play connectors
- Each puck includes 36" cord with female connector
- Dimming available, consult factory
- 42 LEDs (3W total)
- Three color temperatures: Cool White (5000K), Neutral White (4000K), Warm White (3000K)
- Lumen Output: 250 Lm (clear lens), 200 Lm (frosted lens)
- To be used with Plug and Play Power Supply 120VAC/12VDC
- For hardwire applications, please consult factory
- Surface mount with included center mount screw
- Suitable for dry locations

Luminaire	Color Temp	Finish
SMP - Surface Mount Puck	**30K** - 3000K	**B** - Black
	40K - 4000K	**P** - White
	60K - 6000K	**S** - Silver

PLUG-IN POWER SUPPLIES AND ACCESSORIES

24W Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Plug-in unit measures 3-1/4" L x 1-3/4" W x 1-1/4" D; system length: 6'.
TLP12VP24

36W Desktop Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 4" L x 2" W x 1-1/4" D; system length: 10'.
TLP12VP36

60W Desktop Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 4-1/2" L x 2" W x 1-1/4" D; system length: 12'.
TLP12VP60

Plug-and-Play Power Supply Extension
Includes male and female plug connectors.
TLCEXT48 - 48"
TLCEXT96 - 96"

Plug-and-Play 2-Way Splitter
Includes (1) male and (2) female connectors. Approximately 2' long.
TLCS2

Plug-and-Play 3-Way Splitter
Includes (1) male plug connector and (3) female plug connectors. Approximately 2' long.
TLCS3

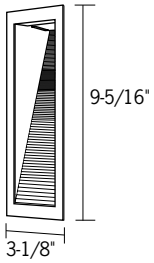
All specifications subject to change without notice.

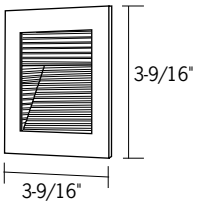
LED STEP LIGHTS

- Energy efficient luminaires offer both safety and style
- Square step features a die cast aluminum housing; rectangular step features a steel housing and sandblasted glass lens
- Corrugated steel reflector
- Must be used with a 120V, 350mA secondary, Class II, electronic LED Driver to provide power to the LED luminaires
- Damp location listed
- 1W LED in Cool White, Blue, and Warm White, 1.2 Total input watts; P1RC available in Cool and Warm White only
- 120V, Damp location listed
- See page 226 for LED drivers

P1RC-CW

P1ST-B





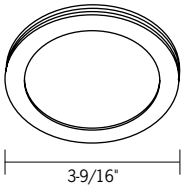
Luminaire		Color Appearance	Accessories
P1RC - Rectangular Step Light **P1ST** - Square Step Light	—	**B** - Blue* **CW** - Cool White **WW** - Warm White **P1ST Only*	**18-2 SOL CL2P** - 18-2 Class II Plenum Wire (Sold in Foot Increments)

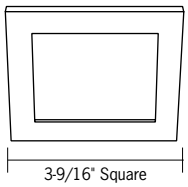
LED MARKER LIGHTS

- Energy efficient marker lights that can make any space unique
- Die cast aluminum housing
- Sandblasted glass lens
- 1W LED in Cool White, Red, Blue, Green and Amber, 1.2 Total input watts
- Must be used with a 120V, 350mA secondary, Class II, electronic LED Driver to provide power to the LED luminaires
- See page 226 for LED drivers

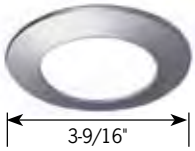
P1LR-R

P1SQ-G





Luminaire		Color Appearance
P1LR - 1W Round Marker **P1SQ** - 1W Square Marker	—	**A** - Amber **B** - Blue **CW** - Cool White **G** - Green **R** - Red



Accessories

P1TR - Cove Trim Face Plate with Soft Curving Edges. **For P1LR only.**

18-2 SOL CL2P - 18-2 Class II Plenum Wire (Sold in Foot Increments)

All specifications subject to change without notice.

2W ECLIPSE LED STEP LIGHTS

SC

LH

FO

LV

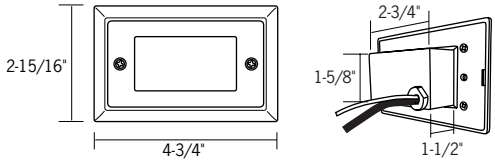
- Commercial grade compact LED Steplights provide maintenance free illumination in excess of 50,000 hours
- Suitable for interior or exterior applications
- Compact size and integral driver for simple wiring and easy installation into 2" x 4" junction boxes
- Durable, die-cast aluminum faceplate
- Four different faceplate options provide excellent cutoff, including a high-impact polycarbonate diffusion lens
- Faceplate designs are available in Black, Brushed Nickel and White finishes
- LED light module consists of (12) LEDs in Cool or Warm White with integral LED driver circuit
- Dimming not available
- Product is IP65 rated, includes a 2" x 4" gasket for exterior applications and for eliminating light leak
- cETLus listed; suitable for wet locations

Luminaire	Color Temp	Faceplate	—	Finish
STPE	**CW** - Cool White (6000K) **WW** - Warm White (3000K)	**FO** - Flat Open Lens **LH** - Louver, Horiztonal **LV** - Louver, Vertical **SC** - Scoop		**B** - Black **NK** - Brushed Nickel **P** - White

All specifications subject to change without notice.

LED ACCENT STEP LIGHT

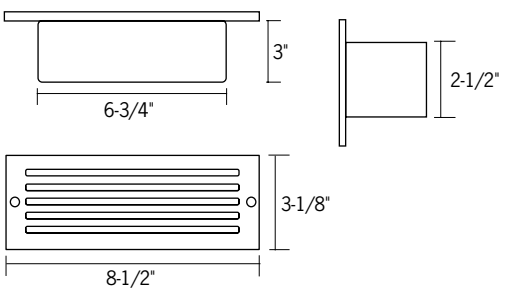
- 2W Interior or exterior compact LED step light available in Warm White (3000K, 25mA) and Amber (125mA)
- Seven faceplate designs, three finishes
- Constructed of high impact, weather resistant polycarbonate
- Durable, die-cast metal faceplate
- Integral driver design for easy installation; no need for remote driver
- Fits into standard 2" x 4" Junction Box
- 120V-277V/60Hz Operation
- IP65 Rated
- Wet location listed
- *Photometrics and LM-79 data on page 269-270*



Luminaire	Color Temp	Faceplate		Finish
STPL	**AM** - Amber **WW** - Warm White (3000K)	**LH** - Louver, Horizontal **LV** - Louver, Vertical **MH** - Mesh, Horizontal **MV** - Mesh, Vertical **VH** - Visor, Horizontal **VV** - Visor, Vertical **LS** - Lens	—	**BR** - Bronze **NK** - Brushed Nickel **P** - White

LED ACCENT STEP LIGHT

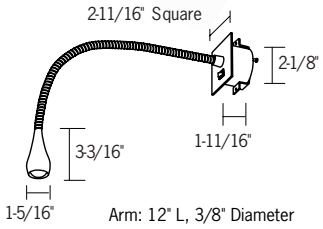
- 3W interior or exterior LED brick-size step light available in Warm White (3000K, 70mA) and Amber (125mA)
- Three faceplate designs, three finishes
- Constructed of high impact, weather resistant polycarbonate
- Durable, die-cast metal faceplates
- Integral driver design for easy installation; no need for remote driver
- Mounts into black die-cast housing: 3-1/8"H x 8-1/2"W x 3-1/4"D
- 120-277V/60Hz Operation
- IP65 Rated
- Wet location listed
- *Photometrics and LM-79 data on page 269*



Luminaire	Color Temp	Faceplate		Finish
STPB	**AM** - Amber **WW** - Warm White (3000K)	**LH** - Louver, Horizontal **LS** - Lens **VH** - Visor, Horizontal	—	**BR** - Bronze **NK** - Brushed Nickel **P** - White

All specifications subject to change without notice.

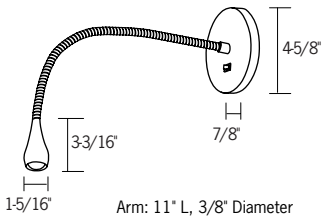
HEADBOARD MOUNT LED BED LIGHT



- 3W Single LED display light with 12" flexible gooseneck arm for precise aiming of light
- Superior versatility, color rendering and efficiency
- Die cast faceplate and head; heavy duty articulated metal arm
- ADA toggle switch
- Can be mounted into furniture and head boards: luminaire recesses into the furniture, bracket for rear mounting included
- Resistant to shock and vibration
- 700mA Constant Current driver, cord and plug included
- Primary voltage 100-240V, 50/60HZ
- Available in Antique Bronze and Brushed Nickel finishes
- 120V, Dry location listed
- *Photometrics and LM-79 data on page 245*

Luminaire	Color Temp	Finish
BL3SC	**WW** - Warm White	**AB** - Antique Bronze **NK** - Brushed Nickel

JUNCTION BOX MOUNT LED BED LIGHT



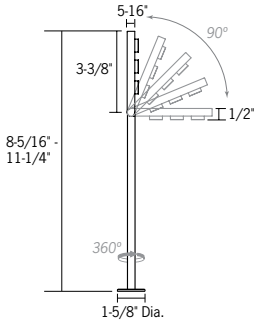
- 3W Single LED display light with 11" flexible gooseneck arm for precise aiming of light
- Ideal for bedlight applications where a tightly focused, non-disruptive light source is required
- Designed for Junction Box Wall Mount applications
- Decorative round canopy with ADA compliant on/off switch
- 700mA Constant current driver (included) is mounted to wall mount bracket
- Energy efficient, warm white LED provides ideal light output and CRI without IR or UV radiation
- Available in Antique Bronze and Brushed Nickel finishes
- 120V, Dry location listed
- *Photometrics and LM-79 data on page 245*

Luminaire	Color Temp	Finish
BL3JM	**WW** - Warm White	**AB** - Antique Bronze **NK** - Brushed Nickel

All specifications subject to change without notice.

LED FLEXIBLE HEAD DISPLAY LIGHT

- 6W LED display light with adjustable lamp head
- Perfect for showcasing jewelry, watches or other luxury items
- Available in two sizes
- Luminaire swivels 360-degrees plus
- Flexible head adjusts to a 45-degree angle
- Three (3) LED chips, 5W total, 25-degree beam spread
- 3000K and 5000K color temperatures
- Class II, 500mA constant current LED driver, 100-240V input, 20W max, cord & plug, with 4-way splitter
- Aluminum luminaire in a brushed silver finish
- 120V, Dry location listed

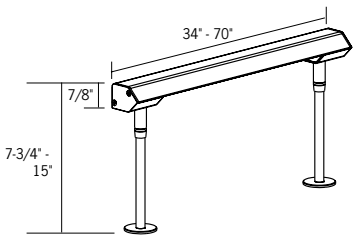


Luminaire	Color Temp	Height	—	Finish
DL1000	**30K** - 3000K **50K** - 5000K	**9** - 8-5/16" **12** - 11-1/4"		**S** - Silver

Power Supply
DL500CP20 - 20W 500mA 100-240V Cord & Plug with 4-Way Splitter

LED LINEAR STRIP LIGHT

- Linear LED display light, surfaced mounted with stems
- Display case lighting for jewelry, watches or other luxury items
- Four (4) linear sizes: 34", 46", 58", and 70"
- Multiple stem heights in nominal sizes: 7", 11", and 15"; two stems per luminaire, one electrical and one non-electrical.
- Aluminum stems and luminaire in a brushed silver finish.
- 3000K and 5000K color temperatures
- 54-126 LEDs, 21.6 - 50.4 total input watts
- 120V, Dry location listed
- LED driver: Constant voltage 24VDC, 100-240V input, cord & plug: 50W for 34", 46" and 58" luminaires, 75W for 70" luminaire



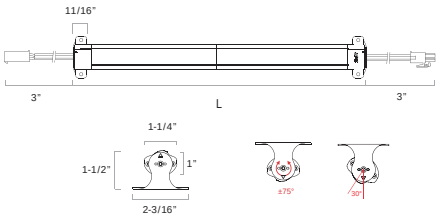
Luminaire	Color Temp	Extrusion	—	Finish
DL34-1 - 34" Long **DL46-1** - 46" Long **DL58-1** - 58" Long **DL70-1** - 70" Long	**3K** - 3000K **5K** - 5000K	**E1** - Extrusion		**S** - Silver

Stem Set
DL-STEMKIT-7 - 6.84" **DL-STEMKIT-11** - 10.34" **DL-STEMKIT-15** - 14.09"

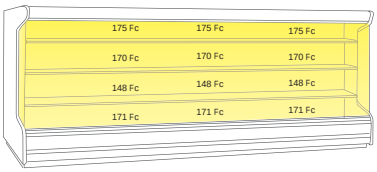
Power Supply
DL24VP50 - 50W 100-240V Constant Voltage 24VDC Cord & Plug; Used with DL34, DL46 and DL58 Only
DL24VP75 - 75W, 100-240V, Constant Voltage 24VDC, Cord & Plug; Used with DL70 Only

All specifications subject to change without notice.

SUPERMARKET LED MEDIUM TEMP DISPLAY CASE LIGHTING



Typical application;
designed for canopy light applications in multi-deck refrigerated cases



- Extruded aluminum alloy, aluminum finish
- Anti-glare design
- Marked adjustment bracket for easy, permanent aiming
- 50,000 Hour lifetime to L70
- Available in 3000K and 4000K
- Mounting hardware included
- Available in two (2) wattages: 21W (2100Lm) and 28W (2800Lm)
- 24V DC Input; Driver sold separately
- 72" Plug-and-play luminaire to driver wiring included
- Universal input voltage
- Independent power supply for constant voltage LED lamp
- Class II protection against electric shock from direct and indirect contact
- SELV/UL 8750 Class 2 output
- Open circuit, short circuit, overload, and over temperature protection
- Auto restart after fault conditions removal
- No load power consumption ≤ 0.3W
- Efficiency ≥ 88% (AC230V, full load)
- Rated input voltage: AC100 - 240V, 50/60Hz (power factor measure at AC230V and full load)
- cULus Listed
- NSF Rated
- IP65 Rating (for damp locations)
- DLC Listed

Luminaire	Color Temp
FORGE-35 - 21W/2100Lm **FORGE-47** - 28W/2800Lm	**30KSS** - 3000K, 85 CRI **40KSS** - 4000K, 85 CRI

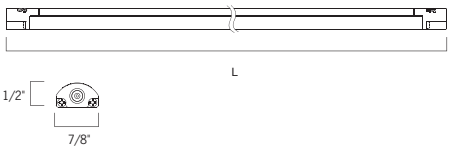
Accessories

12-7524L-2VF12*
DC24V Constant Output Voltage Driver,96W Load, 0.95 PF. Includes 4X Splitter with 6" Cord.

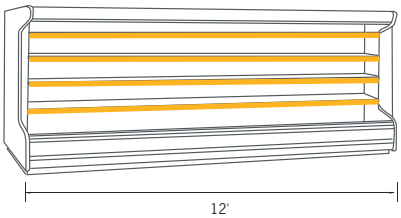
**Consult factory for higher capacity drivers*

All specifications subject to change without notice.

- Extruded aluminum alloy, aluminum finish available in three (3) lenghts: 11" (2.5W/250Lm), 34" (7.5W/720Lm) and 46" (10W/960Lm)
- 110° Wide flood beam angle distribution
- 50,000 Hour lifetime to L70
- Available in 3000K and 4000K
- Mounting hardware included
- 24V DC Input
- 9Ft. (total) IP64 Rated Plug-and-play luminaire to driver wiring included
- Universal input voltage: 120-277V
- Independent power supply for constant voltage LED lamp
- 9" Lead input and two (2) 1/4" DC power jack outputs
- Class II protection against electric shock from direct and indirect contact
- SELV/UL 8750 Class 2 output
- Open circuit, short circuit, overload, and over temperature protection
- Auto restart after fault conditions removal
- No load power consumption 0.3W
- Efficiency 88% (AC230V, full load)
- cULus Listed
- NSF Rated
- IP65 Rating (for damp locations)
- DLC Listed



Typical application;
designed for under shelf applications in multi-deck refrigerated cases



Luminaire	Color Temp/Output	Beam Angle	—	Finish
FROZEN-11 - 10.8" **FROZEN-34** - 33.5" **FROZEN-46** - 45.5"	**30K** - 3000K, 90 CRI **40K** - 4000K, 90 CRI	**110** - 110°		**S** - Silver

Accessories

9-9624DL-26*
DC24V Constant Output Voltage Driver,
0-96W Load, 0.95 PF.

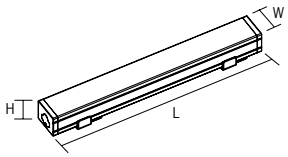
**Consult factory for higher capacity drivers*

HC-FOZ
End-to-End Connector

SC-FOZ-12
Bridge Connector

All specifications subject to change without notice.

STANDARD OUTPUT LED LINEAR ACCENT LIGHT

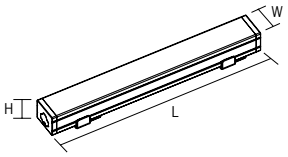


MODEL	L	W	H
LPL112	12-1/4"	1-1/8"	15/16"
LPL124	24-1/4"	1-1/8"	15/16"
LPL133	32-3/4"	1-1/8"	15/16"

- 120V Triac dimmable
- 250 Lumens/4W per foot
- Integral driver in each unit
- Superior versatility, color rendering and efficiency
- Resistant to shock and vibration
- No infrared or ultraviolet radiation
- Thin profile; less than 1" in depth
- Bronze or white finish with frosted lens
- Available in 3 lengths; other lengths available, consult factory
- Each unit includes an End-to-End connector and 0-90 degree **adjustable** mounting clips
- Assorted flexible connections allow for continuous row applications as well as applications with bends and corners
- Linkable to 400W max.
- Optional remote surface mount junction box for hardwire applications
- CCT: 3000K; other color temperatures available, consult factory
- CRI: 80+
- 12": 4W/250lm
- 24": 8W/500lm
- 33": 10W/675lm
- 120V, Dry location listed

Luminaire	Wattage/Length	Color Temp	—	Finish
LPL1	**12** - 4W, 12-1/4" **24** - 8W, 24-1/4" **33** - 10W, 32-3/4"	**30K** - 3000K		**BR** - Bronze **P** - White

HIGH OUTPUT LED LINEAR ACCENT LIGHT



MODEL	L	W	H
LPL212	12-1/4"	1-1/8"	15/16"
LPL224	24-1/4"	1-1/8"	15/16"

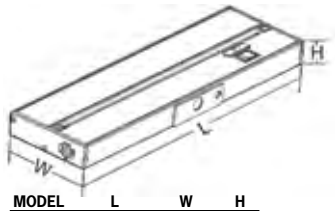
- 120V Triac dimmable
- 500 Lumens/8W per foot
- Integral driver in each unit
- Superior versatility, color rendering and efficiency
- Resistant to shock and vibration
- No infrared or ultraviolet radiation
- Thin profile; less than 1" in depth
- Bronze, silver or white finish with frosted lens
- Available in two (2) lengths; other sizes available, consult factory
- Each unit includes an End-to-End connector and 0-90 degree **adjustable** mounting clips
- Assorted flexible connections allow for continuous row applications as well as applications with bends and corners
- Linkable to 400W max
- Optional remote surface mount junction box for hardwire applications
- CCT: 3000K; other color temperatures available, consult factory
- CRI: 80+
- 12": 8W/500lm/20LEDs
- 24": 16W/1000lm/40LEDs
- 120V, Dry location listed

Luminaire	Wattage/Length	Color Temp	—	Finish
LPL2	**12** - 8W, 12-1/4" **24** - 16W, 24-1/4"	**30K** - 3000K		**BR** - Bronze **P** - White

All specifications subject to change without notice.

LED DIMMABLE UNDERCABINET LIGHT

- 120V/277V Triac dimmable
- Integral driver in each unit
- Superior versatility, color rendering and efficiency
- Resistant to shock and vibration
- No infrared or ultraviolet radiation
- Thin profile; less than 1" in depth
- Bronze or white finish with frosted lens
- Each unit includes one End-to-End connector and 6ft. power cord
- Hardwire and plug-and-play power connectors sold separately
- Assorted flexible connections allow for continuous row applications as well as applications with bends and corners
- Linkable to 200W max
- Integral ON/OFF switch, along with High/Low switch
- Selectable switch allows selection of three (3) different color temperatures: 2700K, 3000K, and 4000K; CRI: 90
- 12": 5W/250Lm - 300Lm
- 18": 8W/380Lm - 450Lm
- 24": 12W/850Lm - 900Lm
- 32": 16W/950Lm - 1050Lm
- Built in LED driver and large knockout plate in the back makes for effortless installation
- *Photometrics and LM-79 data on page 260*



MODEL	L	W	H
LPU212	12-1/16"	3-5/8"	1"
LPU218	18-1/16"	3-5/8"	1"
LPU224	24-1/16"	3-5/8"	1"
LPU232	32-1/16"	3-5/8"	1"

Luminaire	Length	Voltage	—	Finish
LPU2	**12** - 12-1/16" **18** - 18-1/16" **24** - 24-1/16" **32** - 32-1/16"	**1** - 120V **2** - 277V		**BR** - Bronze **P** - White

LINEAR ACCENT ACCESSORIES

- For use with the LPL and LPU Series

LPACE-(B, P)
End-to-End Connector.
Finish: Black, White

LPAC*-(B, P)
Jumper Cable available in 6" (LPAC6), 12" (LPAC12), 24" (LPAC24), and 72" (LPAC72).
Finish: Black, White

LPAHW72-(B, P)
72" 3-Wire Hardwire Power Connector. Finish: Black, White

LPAOCC-(BR, P)
Occupancy Sensor.
8"L x 3-5/8"W x 1"H.
Finish: Bronze, White

LPAPL72-(B, P)
72" Plug-and-Play Power Connector. Finish: Black, White

LPAMC-(BR, P)
Adjustable Mounting Bracket
LPL Series only.

LPAJB-(BR, P)
Junction Box: 6-1/4"L x 3-5/8"W x 1"H. Finish: Bronze, White
LPL Series only.

All specifications subject to change without notice.

EXIT & EMERGENCY LIGHTING

EMERGENCY LIGHTING CODES

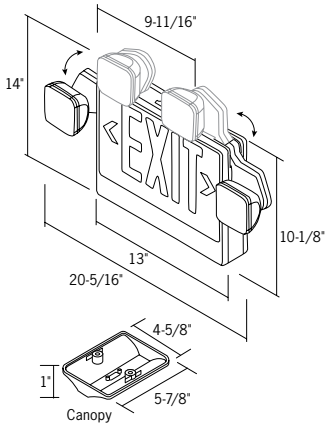
National, state and local codes guide emergency lighting applications. These codes and basic requirements are established mainly by the National Electrical Code (NFPA 70) and the Life Safety Code (NFPA 101).

At a minimum:

- Code requires at least 90 minutes of continuous illumination from an emergency lighting source
- Emergency lighting must be operational within 10 seconds of the loss of normal power
- Emergency lighting units must provide an average of at least one foot-candle of initial illumination at floor level along the path of egress. The minimum amount of illumination at floor level along the path of egress is 0.1 foot-candle.
- Emergency lighting must provide a max-to-min illuminance ratio that is less than or equal to 40:1 along the path of egress
- Changes in egress path direction are to be clearly marked

For complete national code details, review the National Electrical Code (NFPA 70) and the Life Safety Code (NFPA 101). Additional illumination standards may be required in your area. Be sure to check with your local code authority for current regulations.

REMOTE CAPABLE LED EXIT/LED EMERGENCY LIGHT COMBINATION



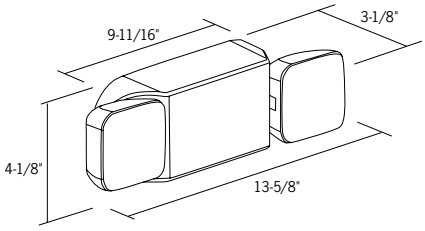
- Injection molded thermoplastic ABS housing
- UL 94V-0 Flame rating
- Miniature, rectangular lamp head
- Innovative, snap together design allows for fast and easy installation
- Replaceable directional chevron inserts are easily removed and reinserted
- Letters are 6" high with a 3/4" stroke; single or double face configuration
- Wall or ceiling mount; simple twist and lock tightly secures housing to canopy
- 120/277VAC dual voltage operation
- Push button test switch and charge light indicator
- LED emergency heads each deliver 200 lumens at 2.5W each
- Lead-Calcium battery (6V, 4.5Ah) delivers more than 90 minutes capacity to emergency heads
- Can be used to energize four (4) REL1L remote single head units; six (6) REL1L remote single heads can be energized by adding a second lead-calcium (6V, 4.5Ah) battery
- Can be used to energize two (2) REL2L remote dual head units; three (3) REL2L remote dual heads can be energized by adding a second lead-calcium (6V, 4.5Ah) battery
- Maximum distance remote heads can be located from unit is 65 feet
- 24 Hour recharge after 90 minute discharge
- Low voltage battery disconnection prevents deep discharge damage to the battery
- UL listed for damp location; meets UL924

Fixture	—	Finish
EXR2HGLEML - Remote Capable LED Exit/LED Emergency Light Combination, Green Lettering **EXR2HRLEML** - Remote Capable LED Exit/LED Emergency Light Combination, Red Lettering		**B** - Black **P** - White

All specifications subject to change without notice.

REMOTE CAPABLE DUAL ADJUSTABLE LED EMERGENCY LIGHT WITH BATTERY BACK-UP

- Injection molded thermoplastic ABS housing
- UL 94V-0 Flame rating
- Innovative, snap-together design allows for fast and easy installation
- Two fully adjustable, glare free, rectangular shaped lamp heads
- Compact design
- Wall or ceiling mount
- Easily removable mounting knock-outs and J-box pattern on back panel
- 120/277VAC dual voltage operation
- Push button test switch and charge light indicator
- LED emergency heads each deliver 200 lumens at 2.5W each
- Lead-Calcium battery (6V, 4.5Ah) delivers more than 90 minutes capacity to emergency heads
- Can be used to energize four (4) REL1L remote single heads units or two (2) REL2L remote dual head units
- Maximum distance REL1L remote single heads can be from unit is 65 feet; maximum distance REL2L remote dual heads can be from unit is 42 feet
- 24 hour recharge after 90 minute discharge
- Low voltage battery disconnection prevents deep discharge damage to the battery
- UL listed for dry locations; meets UL924

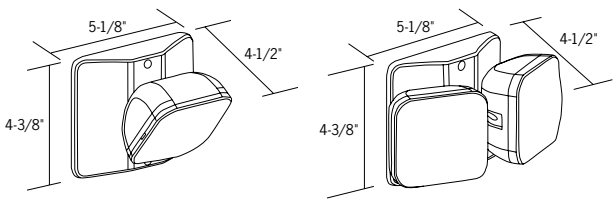


Lamp Heads: 3-3/8" x 3-3/16"

Fixture	—	Finish
EL2HALEDEM		**B** - Black **P** - White

REMOTE LED EMERGENCY LIGHT: SINGLE OR DUAL HEAD

- Injection molded thermoplastic ABS housing
- Fully adjustable rectangular, glare-free, single or dual heads
- REL1L delivers 200 lumens @ 1.75W
- REL2L delivers 200 lumens @ 2.5W
- Compatible with EXR2HGLEML, EXR2HRLEML and EL2HALEDEM
- UL listed for dry location; meets UL924

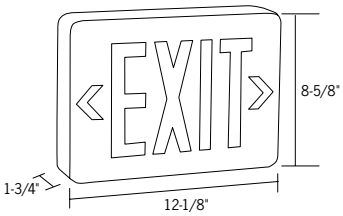


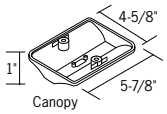
Lamp Heads: 3-3/8" x 3-3/16"

Fixture	—	Finish
REL1L - Single Head Remote LED Emergency Light **REL2L** - Dual Head Remote LED Emergency Light		**B** - Black **P** - White

All specifications subject to change without notice.

LED EXIT SIGN; OPTIONAL BATTERY BACK-UP

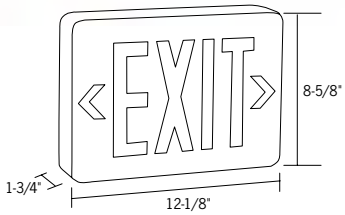


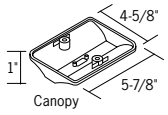


- Injection-molded thermoplastic housing
- UL 94V-0 flame rating
- Innovative, snap-together design allows for fast installation
- Replaceable directional chevron inserts are easily removed and reinserted
- Letters are 6" in height with a 3/4" stroke; single or double face configuration.
- Universal (wall, side or ceiling) mounting; Simple twist and lock action tightly secures housing to canopy
- 120/277 VAC dual voltage operation
- Low energy consumption: 2.1W @ 120V; Battery back-up model: 2.4W@120V
- LEDs mounted on print circuit board.
- LED lamps operate in normal (AC input) modes.
- ULus listed; meets UL924 and NFPA101

Fixture	—	Finish
EX0HRLED - Red LED Exit Sign		**B** - Black
EX0HGLED - Green LED Exit Sign		**P** - White

COMPACT LED EXIT SIGN WITH BATTERY BACK-UP





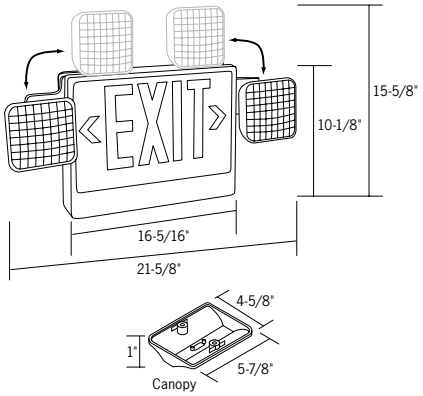
- Injection-molded thermoplastic housing
- UL 94V-0 flame rating
- Innovative, snap-together design allows for fast installation
- Replaceable directional chevron inserts are easily removed and reinserted
- Letters are 6" in height with a 3/4" stroke
- Single or double face configuration
- LED Indicator light and test switch
- Universal (wall, side or ceiling) mounting; Simple twist and lock action tightly secures housing to canopy
- 120/277 VAC dual voltage operation; 60Hz, 0.023A
- Low energy consumption: 2W @ 120V
- Nickel-Cadmium battery delivers more than 90 minutes of emergency power
- After 90 minutes discharge, the battery needs 24 hours to recharge to full capacity
- Low voltage battery disconnection prevents deep discharge damage to the battery
- Expected LED life of up to 10 years
- ULus listed, Suitable for damp locations
- Meets UL924 and NFPA101
- For use in 10°C (min) - 40°C (max) ambient temperature

Fixture	—	Finish
EXREM - Red LED Exit Sign		**B** - Black
		P - White

All specifications subject to change without notice.

LED EXIT/EMERGENCY LIGHT COMBINATION WITH BATTERY BACK-UP

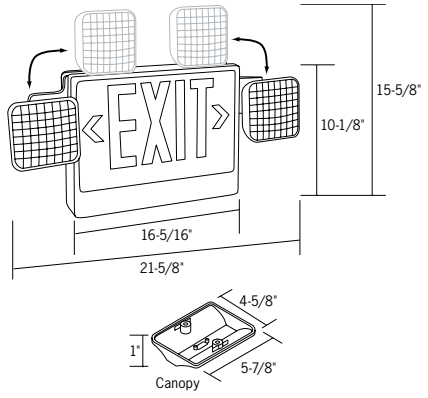
- Injection molded thermoplastic housing
- UL 94V-0 flame rating
- Innovative, snap-together design allows for fast installation
- Replaceable directional chevron inserts are easily removed/reinserted
- Letters are 6" high with a 3/4" stroke; single or double face configuration
- Two fully adjustable glare-free square shape light heads for emergency light
- Expected LED life of up to 10 years
- Wall or ceiling mount; simple twist and lock action tightly secures housing to canopy
- 120/277 VAC dual voltage operation
- Low energy consumption: 3.8W @ 120V operation, 15W at emergency operation
- LED indicator light and push button test switch
- LEDs mounted on print circuit board (for Exit sign).
- LED lamps operate in normal (AC input) and emergency (DC input) modes
- (2) 6V 5.4W DC T5 wedge base lamps for emergency mode
- Lead-Calcium battery (6V 4.5Ah) delivers minimum 90 min. discharge
- Low voltage battery disconnection prevents deep discharge damage to the battery
- ULus listed; meets UL924 and NFPA101



Fixture	—	Finish
EX2HRLEDEM - Red LED Exit Combo with Battery Back-up **EX2HGLEDEM** - Green LED Exit Combo with Battery Back-up		**B** - Black **P** - White

LED EXIT/EMERGENCY LIGHT COMBINATION WITH REMOTE CAPABILITIES

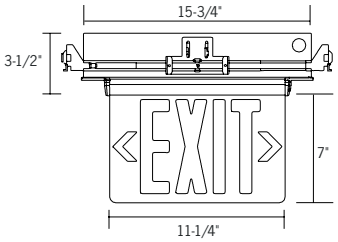
- Injection molded thermoplastic housing
- UL 94V-0 flame rating
- Innovative, snap-together design allows for fast installation
- Replaceable directional chevron inserts are easily removed/reinserted
- Letters are 6" high with a 3/4" stroke; single or double face configuration
- Two fully adjustable glare-free square shape light heads for emergency light
- Wall or ceiling mount; simple twist and lock action tightly secures housing to canopy
- 120/277 VAC dual voltage operation
- Powers (1) 6V/10W or (2) 6V/6W remote heads
- Low energy consumption: 3.8W @ 120V operation, 15W @ emergency operation
- LED indicator light and push button test switch
- LEDs mounted on print circuit board (for Exit sign)
- LED lamps operate in normal (AC input) and emergency (DC input) modes
- (2) 6V 5.4W DC T5 wedge base lamps for emergency mode
- Low voltage battery disconnection prevents deep discharge damage to the battery
- Expected LED life of up to 10 years
- ULus listed; meets UL924 and NFPA101



Fixture	—	Finish
EXR2HRLEDEM - Red LED Exit Combo with Battery Back-up **EXR2HGLEDEM** - Green LED Exit Combo with Battery Back-up		**B** - Black **P** - White

All specifications subject to change without notice.

ADJUSTABLE RECESSED/SURFACE WALL/CEILING MOUNT LED EDGE-LIT EXIT SIGN WITH BATTERY BACK-UP

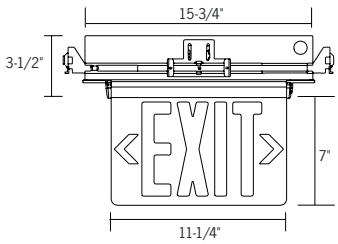


Recessed Ceiling Mount

- Steel housing and aluminum trim plate
- Etched clear acrylic faceplate, clear acrylic faceplate with mirrored background, or white edge-lit faceplate
- Removable directional indicators (chevrons)
- Letters are 6" high with a 3/4" stroke; single or double face configuration
- Recessed or surface, ceiling, wall and end mount installation
- For new construction, lay-in ceilings, or where accessibility about the ceiling is available
- Adjustable bar hangers for suspended ceiling mount
- Fixture maintenance can be done from below the ceiling
- 120/277 VAC Dual voltage operation (50/60Hz, 24mA/11mA)
- Low energy consumption - only 3W @ 120V
- LED indicator light and test switch
- LED lamps operate in normal (AC input) and emergency (DC input) modes
- Nickel-Cadmium battery (4.8V 300mA) delivers more than 3 hours capacity to emergency lamps; NICAD battery, Unitech Battery Ltd., PN# AAA300 (4.8V, 300mA)
- 24-hour recharge after 90 minute discharge
- Low voltage battery disconnection prevents deep discharge damage to the battery
- ETL listed. Indoor use only. Suitable for damp locations. Meets UL924 and NFPA101.

Fixture	Faceplate	Lettering	Emergency Battery	Faceplate Color	— Finish
REXA	**DF** - Double Face **SF** - Single Face	**G** - Green **R** - Red	**EM** - Battery Back-up	- Clear Acrylic Faceplate Leave Blank (SF Only) **C** - Clear Acrylic Faceplate with Mirrored Background **W** - White Faceplate	**B** - Black **P** - White

MULTI-FACE ADJUSTABLE RECESSED OR SURFACE MOUNT LED EDGE-LIT EXIT SIGN WITH BATTERY BACK-UP



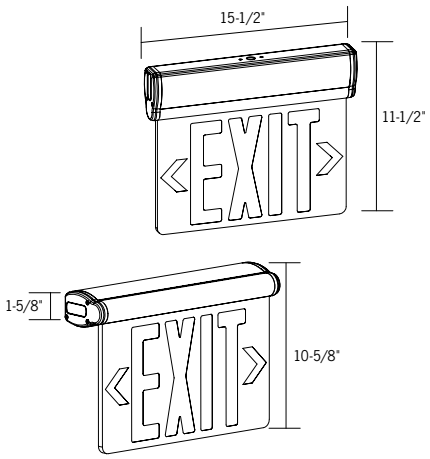
- Steel recessed housing, aluminum extrusion and aluminum trim plate
- Available in white, black and silver painted finishes
- Removable directional indicators (chevrons)
- Edge-lit Panels: Single face panel is clear acrylic, Double face panel is clear acrylic with mirrored background
- Letters are 6" high with a 3/4" stroke
- Recessed or surface, ceiling, wall and end mount installation
- For new construction, lay-in ceilings, or where accessibility above the ceiling is available
- 120/277 VAC Dual voltage operation (50/60Hz, 24mA/11mA)
- Low energy consumption - only 3W at 120V
- LED indicator light and test switch
- LED lamps operate in normal (AC input) and emergency (DC input) modes
- Nickel-Cadmium battery (4.8V 300mA) delivers more than 3 hours capacity to emergency lamps
- 24-hour recharge after 90 minute discharge
- Low voltage battery disconnection prevents deep discharge damage to the battery
- Expected LED life of up to 10 years
- ETL listed. Indoor use only. Suitable for damp locations. Meets UL924 and NFPA101.

Fixture	Faceplate	Lettering	Emergency Battery	— Finish
REXA	**MF** - Multi-Face	**G** - Green **R** - Red	**EM** - Battery Back-up	**B** - Black **P** - White **S** - Silver

All specifications subject to change without notice.

EXIT
EXIT

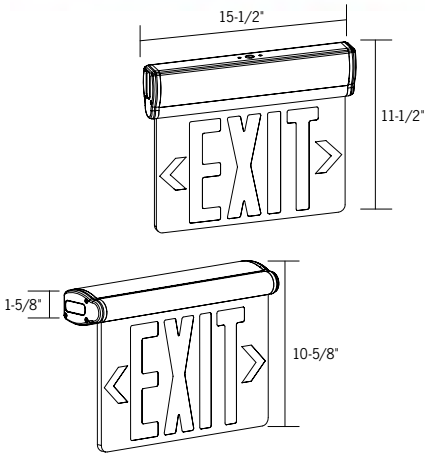
NEW YORK APPROVED LED EDGE-LITE EXIT SIGN WITH BATTERY BACKUP



- Compact, decorative design
- Aluminum housing with high grade acrylic panel
- Exit pivots of wall, ceiling, sloped ceiling, or high ceiling with tilt angle
- Letters are 8" high with 1" stroke
- Single or double face configuration
- Provided with plastic canopy for universal (wall, side or ceiling) mounting
- Available for pendant mounting
- 120/277 VAC dual voltage operation
- Low energy consumption
- LED indicator light and test switch
- LED lamps operate in normal (AC input) and emergency (DC input) modes
- Nickel-Cadmium battery delivers more than 90 minute capacity to emergency lamps
- 24-hour recharge after 90 minute discharge
- Low voltage battery disconnection prevents deep discharge damage to the battery
- ULus listed; meets UL924 and NFPA101
- Suitable for dry locations

Fixture		Finish
RENASFREMC	- Single Face Red Letter, Battery Backup, Clear Acrylic Faceplate	**B** - Black **P** - White **S** - Silver UNLook
RENADFREMM	- Double Face Red Letter, Battery Backup, Clear Acrylic Faceplate with Mirrored Background	

NEW YORK APPROVED LED EDGE-LITE EXIT SIGN



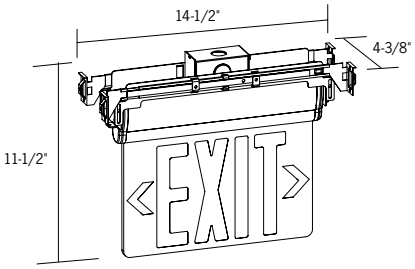
- Compact, decorative design
- Aluminum housing with high grade acrylic panel
- Exit pivots of wall, ceiling, sloped ceiling, or high ceiling with tilt angle
- Letters are 8" high with 1" stroke
- Single or double face configuration
- Provided with plastic canopy for universal (wall, side or ceiling) mounting
- Available for pendant mounting
- 120/277 VAC dual voltage operation
- Low energy consumption
- LED indicator light and test switch
- LED lamps operate in normal (AC input) mode
- ULus listed; meets UL924 and NFPA101
- Suitable for dry locations

Fixture		Finish
RENBSFRC	- Single Face Red Letter, Clear Acrylic Faceplate	**B** - Black **P** - White **S** - Silver UNLook
RENBDFRM	- Double Face Red Letter, Clear Acrylic Faceplate with Mirrored Background	

All specifications subject to change without notice.

NEW YORK APPROVED ADJUSTABLE RECESSED/SURFACE WALL/CEILING MOUNT LED EDGE-LIT EXIT SIGN WITH BATTERY BACK-UP

- Steel recessed housing, aluminum extrusion and aluminum trim plate available in white and black painted finishes, and silver UNLook
- Single or double face configuration
- Removable directional indicators (chevrons); Red letters are 8" high with a 1" stroke
- Expected LED life of up to 10 years
- Recessed or surface, ceiling, wall and end mount installation for new construction, lay-in ceilings, or where accessibility above the ceiling is available
- Adjustable bar hangers for suspended ceiling mount
- Fixture maintenance can be done from below the ceiling
- 120/277 VAC Dual voltage operation (50/60Hz, 24mA/11mA)
- Low energy consumption - only 3W at 120V
- LED indicator light and test switch
- LED lamps operate in normal (AC input) and emergency (DC input) modes
- Nickel-Cadmium battery (4.8V 300mA) delivers more than 3 hours capacity to emergency lamps (90 minutes minimum requirement)
- 24-hour recharge after 90 minute discharge
- Low voltage battery disconnection prevents deep discharge damage to the battery
- ULus listed. Indoor use only. Suitable for damp locations
- Meets UL924, NED NFPA70 and NFPA101



Fixture		Finish
RENCSFREMC	- Single Face Red Letter, Battery Backup, Clear Acrylic Faceplate	**B** - Black **P** - White **S** - Silver UNLook
RENCDFREMM	- Double Face Red Letter, Battery Backup, Clear Acrylic Faceplate with Mirrored Background	

LAMP ORDERING GUIDE

MEGAMAN®

Bare lamp photometrics pages 172-177

MR16 12V LED Lamps

ER3308DLN-SP-GU5.3-2700K-12V	8W MR16 LED Lamp: 12° Beam Distribution, 2700K CCT, GU5.3 Base
ER3308DLN-SP-GU5.3-3000K-12V	8W MR16 LED Lamp: 12° Beam Distribution, 3000K CCT, GU5.3 Base
ER3308DLN-SP-GU5.3-3500K-12V	8W MR16 LED Lamp: 12° Beam Distribution, 3500K CCT, GU5.3 Base
ER3308DLN-SP-GU5.3-4000K-12V	8W MR16 LED Lamp: 12° Beam Distribution, 4000K CCT, GU5.3 Base
ER3308DLN-FL-GU5.3-2700K-12V	8W MR16 LED Lamp: 24° Beam Distribution, 2700K CCT, GU5.3 Base
ER3308DLN-FL-GU5.3-3000K-12V	8W MR16 LED Lamp: 24° Beam Distribution, 3000K CCT, GU5.3 Base
ER3308DLN-FL-GU5.3-3500K-12V	8W MR16 LED Lamp: 24° Beam Distribution, 3500K CCT, GU5.3 Base
ER3308DLN-FL-GU5.3-4000K-12V	8W MR16 LED Lamp: 24° Beam Distribution, 4000K CCT, GU5.3 Base
ER3308DDG-WFL-GU5.3-2700K-12V	8W MR16 LED Lamp: 36° Beam Distribution, 2700K CCT, GU5.3 Base
ER3308DDG-WFL-GU5.3-3000K-12V	8W MR16 LED Lamp: 36° Beam Distribution, 3000K CCT, GU5.3 Base
ER3308DDG-WFL-GU5.3-3500K-12V	8W MR16 LED Lamp: 36° Beam Distribution, 3500K CCT, GU5.3 Base
ER3308DDG-WFL-GU5.3-4000K-12V	8W MR16 LED Lamp: 36° Beam Distribution, 4000K CCT, GU5.3 Base
ER3308DR9LN-FL-GU5.3-3000K-12V	8W MR16 LED Lamp: 24° Beam Distribution, 3000K CCT, GU5.3 Base, 92+ CRI
ER3308DR9DG-WFL-GU5.3-3000K-12V	8W MR16 LED Lamp: 36° Beam Distribution, 3000K CCT, GU5.3 Base, 92+ CRI

A19 LED Lamps

LG4509D-E26-2700K-120V	9W A19 LED Lamp: 2700K CCT, 800 Lumens, E26 Base
LG4509D-E26-3000K-120V	9W A19 LED Lamp: 3000K CCT, 800 Lumens, E26 Base
LG4509D-E26-3500K-120V	9W A19 LED Lamp: 3500K CCT, 800 Lumens, E26 Base
LG4509D-E26-4000K-120V	9W A19 LED Lamp: 4000K CCT, 800 Lumens, E26 Base
LG4509D-GU24-2700K-120V	9W A19 LED Lamp: 2700K CCT, 800 Lumens, GU24 Base
LG4509D-GU24-3000K-120V	9W A19 LED Lamp: 3000K CCT, 800 Lumens, GU24 Base
LG4509D-GU24-3500K-120V	9W A19 LED Lamp: 3500K CCT, 800 Lumens, GU24 Base
LG4509D-GU24-4000K-120V	9W A19 LED Lamp: 4000K CCT, 800 Lumens, GU24 Base

A21 LED Lamps

LG7511D-E26-2700K-120V	11W A21 LED Lamp: 2700K CCT, 1100 Lumens, E26 Base
LG7511D-E26-3000K-120V	11W A21 LED Lamp: 3000K CCT, 1100 Lumens, E26 Base
LG7511D-E26-3500K-120V	11W A21 LED Lamp: 3500K CCT, 1100 Lumens, E26 Base
LG7511D-E26-4000K-120V	11W A21 LED Lamp: 4000K CCT, 1100 Lumens, E26 Base

PAR16 LED Lamps

LR2307DDG-WFL-GU10-2700K-120V	7W PAR16 LED Lamp: 25° Beam Distribution, 2700K CCT, GU10 Base
LR2307DDG-WFL-GU10-3000K-120V	7W PAR16 LED Lamp: 25° Beam Distribution, 3000K CCT, GU10 Base
LR2307DDG-WFL-GU10-4000K-120V	7W PAR16 LED Lamp: 25° Beam Distribution, 4000K CCT, GU10 Base

PAR20 LED Lamps

LR0308D-50H45D-E26-2700K-120V	7W PAR20 LED Lamp: 45° Beam Distribution, 2700K CCT, E26 Base
LR0308D-50H45D-E26-4000K-120V	7W PAR20 LED Lamp: 45° Beam Distribution, 4000K CCT, E26 Base
LR2907DDG-WFL-E26-2700K-120V	7W PAR20 LED Lamp: 30° Beam Distribution, 2700K CCT, E26 Base
LR2907DDG-WFL-E26-3000K-120V	7W PAR20 LED Lamp: 30° Beam Distribution, 3000K CCT, E26 Base
LR2907DDG-WFL-E26-3500K-120V	7W PAR20 LED Lamp: 30° Beam Distribution, 3500K CCT, E26 Base
LR2907DDG-WFL-E26-4000K-120V	7W PAR20 LED Lamp: 30° Beam Distribution, 4000K CCT, E26 Base
LR5110DHR-75H35D-E26-2700K-120V	10W PAR20 LED Lamp: 35° Beam Distribution, 2700K CCT, E26 Base
LR5110DHR-75H35D-E26-3000K-120V	10W PAR20 LED Lamp: 35° Beam Distribution, 3000K CCT, E26 Base
LR5110DHR-75H35D-E26-3500K-120V	10W PAR20 LED Lamp: 35° Beam Distribution, 3500K CCT, E26 Base
LR5110DHR-75H35D-E26-4000K-120V	10W PAR20 LED Lamp: 35° Beam Distribution, 4000K CCT, E26 Base

PAR30S LED Lamps

LR5210.5DDG-WFL-E26-2700K-120V	10.5W PAR30S LED Lamp: 35° Beam Distribution, 2700K CCT, E26 Base
LR5210.5DDG-WFL-E26-3000K-120V	10.5W PAR30S LED Lamp: 35° Beam Distribution, 3000K CCT, E26 Base
LR5210.5DDG-WFL-E26-3500K-120V	10.5W PAR30S LED Lamp: 35° Beam Distribution, 3500K CCT, E26 Base
LR5210.5DDG-WFL-E26-4000K-120V	10.5W PAR30S LED Lamp: 35° Beam Distribution, 4000K CCT, E26 Base
LR1411D-60H25D-E26-2700K-120V	11W PAR30S LED Lamp: 25° Beam Distribution, 2700K CCT, E26 Base
LR1411D-60H25D-E26-4000K-120V	11W PAR30S LED Lamp: 25° Beam Distribution, 4000K CCT, E26 Base

PAR30 Long Neck LED Lamps

LR5510.5D-WFL-E26-2700K-120V	10.5W PAR30LN LED Lamp: 35° Beam Distribution, 2700K CCT, E26 Base
LR5510.5D-WFL-E26-3000K-120V	10.5W PAR30LN LED Lamp: 35° Beam Distribution, 3000K CCT, E26 Base
LR5510.5D-WFL-E26-3500K-120V	10.5W PAR30LN LED Lamp: 35° Beam Distribution, 3500K CCT, E26 Base
LR5510.5D-WFL-E26-4000K-120V	10.5W PAR30LN LED Lamp: 35° Beam Distribution, 4000K CCT, E26 Base
LR0215D-75H25D-E26-2700K-120V	15W PAR30LN LED Lamp: 25° Beam Distribution, 2700K CCT, E26 Base
LR0215D-75H25D-E26-4000K-120V	15W PAR30LN LED Lamp: 25° Beam Distribution, 4000K CCT, E26 Base

All specifications subject to change without notice.

PAR38 LED Lamps

LR3218D-250H25D-E26-2700K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 2700K CCT, E26 Base
LR3218D-250H25D-E26-3000K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 3000K CCT, E26 Base
LR3218D-250H25D-E26-3500K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 3500K CCT, E26 Base
LR3218D-250H25D-E26-4000K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 4000K CCT, E26 Base
LR3218D-250H25D-GU24-2700K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 2700K CCT, GU24 Base
LR3218D-250H25D-GU24-3000K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 3000K CCT, GU24 Base
LR3218D-250H25D-GU24-3500K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 3500K CCT, GU24 Base
LR3218D-250H25D-GU24-4000K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 4000K CCT, GU24 Base
LR3218D-250H45D-E26-2700K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 2700K CCT, E26 Base
LR3218D-250H45D-E26-3000K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 3000K CCT, E26 Base
LR3218D-250H45D-E26-3500K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 3500K CCT, E26 Base
LR3218D-250H45D-E26-4000K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 4000K CCT, E26 Base
LR3218D-250H45D-GU24-2700K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 2700K CCT, GU24 Base
LR3218D-250H45D-GU24-3000K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 3000K CCT, GU24 Base
LR3218D-250H45D-GU24-3500K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 3500K CCT, GU24 Base
LR3218D-250H45D-GU24-4000K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 4000K CCT, GU24 Base
LR3615DHR-SP-E26-2700K-120V	15W PAR38 LED Lamp: 10° Beam Distribution, 2700K CCT, E26 Base
LR3615DHR-SP-E26-3000K-120V	15W PAR38 LED Lamp: 10° Beam Distribution, 3000K CCT, E26 Base
LR3615DHR-SP-E26-3500K-120V	15W PAR38 LED Lamp: 10° Beam Distribution, 3500K CCT, E26 Base
LR3615DHR-SP-E26-4000K-120V	15W PAR38 LED Lamp: 10° Beam Distribution, 4000K CCT, E26 Base
LR3620DHR-WFL-E26-2700K-120V	20W PAR38 LED Lamp: 35° Beam Distribution, 2700K CCT, E26 Base
LR3620DHR-WFL-E26-3000K-120V	20W PAR38 LED Lamp: 35° Beam Distribution, 3000K CCT, E26 Base
LR3620DHR-WFL-E26-3500K-120V	20W PAR38 LED Lamp: 35° Beam Distribution, 3500K CCT, E26 Base
LR3620DHR-WFL-E26-4000K-120V	20W PAR38 LED Lamp: 35° Beam Distribution, 4000K CCT, E26 Base
LR0925D-70M25D-E26-2700K-120V	25W PAR38 LED Lamp: 25° Beam Distribution, 2700K CCT, E26 Base
LR0925D-70M25D-E26-4000K-120V	25W PAR38 LED Lamp: 25° Beam Distribution, 4000K CCT, E26 Base
LR0925D-70M45D-E26-2700K-120V	25W PAR38 LED Lamp: 45° Beam Distribution, 2700K CCT, E26 Base
LR0925D-70M45D-E26-4000K-120V	25W PAR38 LED Lamp: 45° Beam Distribution, 4000K CCT, E26 Base
LR3218DR9-150H25D-E26-3000K-120V	18W PAR38 LED Lamp: 25° Beam Distribution, 3000K CCT, E26 Base, 92+ CRI
LR3218DR9-150H45D-E26-3000K-120V	18W PAR38 LED Lamp: 45° Beam Distribution, 3000K CCT, E26 Base, 92+ CRI

BR20 LED Lamps

LR2809.5D-E26-2700K-120V	9.5W BR20 LED Lamp: 2700K CCT, E26 Base
LR2809.5D-E26-3000K-120V	9.5W BR20 LED Lamp: 3000K CCT, E26 Base
LR2809.5D-E26-3500K-120V	9.5W BR20 LED Lamp: 3500K CCT, E26 Base
LR2809.5D-E26-4000K-120V	9.5W BR20 LED Lamp: 4000K CCT, E26 Base

BR30 LED Lamps

LR2510D-E26-2700K-120V	10W BR30 LED Lamp: 2700K CCT, E26 Base
LR2510D-E26-3000K-120V	10W BR30 LED Lamp: 3000K CCT, E26 Base
LR2510D-E26-3500K-120V	10W BR30 LED Lamp: 3500K CCT, E26 Base
LR2510D-E26-4000K-120V	10W BR30 LED Lamp: 4000K CCT, E26 Base
LR2512D-E26-2700K-120V	12W BR30 LED Lamp: 2700K CCT, E26 Base
LR2512D-E26-3000K-120V	12W BR30 LED Lamp: 3000K CCT, E26 Base
LR2512D-E26-3500K-120V	12W BR30 LED Lamp: 3500K CCT, E26 Base
LR2512D-E26-4000K-120V	12W BR30 LED Lamp: 4000K CCT, E26 Base
LR2515D-E26-2700K-120V	15W BR30 LED Lamp: 2700K CCT, E26 Base
LR2515D-E26-3000K-120V	15W BR30 LED Lamp: 3000K CCT, E26 Base
LR2515D-E26-3500K-120V	15W BR30 LED Lamp: 3500K CCT, E26 Base
LR2515D-E26-4000K-120V	15W BR30 LED Lamp: 4000K CCT, E26 Base
LR2515D-GU24-2700K-120V	15W BR30 LED Lamp: 2700K CCT, GU24 Base
LR2515D-GU24-3000K-120V	15W BR30 LED Lamp: 3000K CCT, GU24 Base
LR2515D-GU24-3500K-120V	15W BR30 LED Lamp: 3500K CCT, GU24 Base
LR2515D-GU24-4000K-120V	15W BR30 LED Lamp: 4000K CCT, GU24 Base
LR2515W-E26-2700K-120V	15W BR30 LED Dim-to-Warm Lamp: 2700K/1800K CCT, E26 Base

BR40 LED Lamps

LR2718D-E26-2700K-120V	18W BR40 LED Lamp: 2700K CCT, E26 Base
LR2718D-E26-3000K-120V	18W BR40 LED Lamp: 3000K CCT, E26 Base
LR2718D-E26-3500K-120V	18W BR40 LED Lamp: 3500K CCT, E26 Base
LR2718D-E26-4000K-120V	18W BR40 LED Lamp: 4000K CCT, E26 Base

Candelabra LED Lamps

B10CLV-6M-WH-DIM-27	4.2W Candelabra LED Lamp: 2700K CCT, 286 Lumens, E12 Base
LC1503.2DCS-E12-27K	3.2W Candelabra LED Lamp: 2700K CCT, 250 Lumens, E12 Base
LC2303.2DCS	3.2W Candelabra LED Lamp: 2700K CCT, 250 Lumens, E26 Base

Continued

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12V AR111 LED Lamps

ER2712DV2-75H24D-G53-2700K-12V	12W AR111 LED Lamp: 24° Beam Spread, 2700K CCT, G53 Base
ER2712DV2-75H24D-G53-3000K-12V	12W AR111 LED Lamp: 24° Beam Spread, 3000K CCT, G53 Base
ER2712DV2-75H24D-G53-4000K-12V	12W AR111 LED Lamp: 24° Beam Spread, 4000K CCT, G53 Base
ER2912DV2-75H45D-G53-2700K-12V	12W AR111 LED Lamp: 45° Beam Spread, 2700K CCT, G53 Base
ER2912DV2-75H45D-G53-3000K-12V	12W AR111 LED Lamp: 45° Beam Spread, 3000K CCT, G53 Base
ER2912DV2-75H45D-G53-4000K-12V	12W AR111 LED Lamp: 45° Beam Spread, 4000K CCT, G53 Base

Filament Lamps

LG6903DGD-E26-2200K-120V	3W G40 LED Filament Lamp: 2200K CCT, 210 Lumens, E26 Base
LG6903DGD-GU24-2200K-120V	3W G40 LED Filament Lamp: 2200K CCT, 210 Lumens, GU24 Base
LG7003DGD-E26-2200K-120V	3W ST19 LED Filament Lamp: 2200K CCT, 210 Lumens, E26 Base
LG7003DGD-GU24-2200K-120V	3W ST19 LED Filament Lamp: 2200K CCT, 210 Lumens, GU24 Base
LG6105.5DCS-E26-2700K-120V	5.5W A19 LED Filament Lamp: 2700K CCT, 450 Lumens, E26 Base
LG6105.5DCS-GU24-2700K-120V	5.5W A19 LED Filament Lamp: 2700K CCT, 450 Lumens, GU24 Base

Crown Lamps

LS0505D-BRASS-E26-2700K-120V	5W A19 LED Brass Crown Lamp: 2700K CCT, 200 Lumens, E26 Base
LS0505D-SILVER-E26-2700K-120V	5W A19 LED Silver Crown Lamp: 2700K CCT, 200 Lumens, E26 Base

GX53 Base Lamps

LR2205D-GX53-2700K-120V	5W LED Lamp: 2700K CCT, GX53 Base
LR1305-30D-GX53-2700K-120V	5W LED Lamp: 30° Beam Spread, 2700K CCT, GX53 Base

MEGAMAN® LAMP DIMMING

- Megaman lamps are designed to dim to 1%, however, 10% dimming is published because of variables with field conditions and equipment.
- 0-10V Dimming is being driven by the fixture; consult fixture manufacturer for additional guidance.
- In most instances, upgrades of installations with professional dimming systems (churches and auditoriums) require programming and/or hardware changes to ensure long-term success with LED lamps.

120V

- TRIAC/Incandescent OK
- TRIAC and LED specific much better! Incorporates a low-end trim adjustment - available from many control mfgs.

12V

- Electronic Low Voltage Fixture = ELV Dimmer. Confirm operating range of transformer within the fixture.
- Magnetic Low Voltage Fixture = MLV Dimmer. Typically excellent compatibility with no minimum load issues.

TRACK LIGHTING 214

SYMPHONY MINI-TRACK 214

PENDANT LIGHTING 218

WALL SCONCES 218

RECESSED LIGHTING 219

ACCENT LIGHTING
- Non - Dimming Drivers 226
- Dimming Drivers 226
- Tapelight 227

LED DRIVERS & DIMMERS

TRACK DIMMING COMPATIBILITY

Testing has been performed on these dimmers, however, this does not imply any warranty of compatibility or performance.

O3 LED Track Luminaire Series: CTL8251, CTL8252, CTL8253, and CTL8254 Standard Dimming Option

Compatible with most Electronic Low Voltage and Triac (Incandescent) Dimmers

Electronic Low Voltage (ELV)
Lutron Faedra
Lutron NovaT
Leviton Acenti
Leviton Vizia

Triac (Incandescent)
Lutron Skylark
Lutron Maestro
Lutron Diva
Leviton True Torch
Leviton Trimatron
Leviton SureSlide
Leviton Illumitech
Cooper Aspire

O3 LED Track Luminaire Series: CTL8251, CTL8252 and CTL8253 D3 Dimming Option
Stealth LED Wall Lighter Series: CTL181 and CTL182 D3 Dimming Option

Utlizes the Lutron HiLume A-Series Dimming Driver

Compatible Lutron Dimming Controls
The following is a general list of compatible Lutron HiLume dimming controls. For specific Lutron part numbers, please refer to www.lutron.com or contact Contech Lighting Technical Support

Lutron NovaT®
Lutron Maestro Wireless®
Lutron RadioRA® 2 1000W
Lutron RadioRA 2 Adaptive Dimmer
Lutron Grafik Eye QS
Lutron RadioRA 600W
Lutron Radio RA 1000W
Lutron HomeWorks QS Adaptive Dimmer
Lutron HomeWorks QS WPM
Lutron Grafik Eye 3000
Lutron HomeWorks QS 600W
Lutron HomeWorks QS 1000W
Lutron HomeWorks 600W Dimmer
Lutron HomeWorks 1000W Dimmer
Lutron GP Panels
Lutron RPM-4U Module
Lutron RPM-4A Module
Lutron Stanza®
Lutron HomeWorks WPM

Optica and LED Cylinder Luminaire Series: CTL802818L, CTL802927L, CTL8001, CTL8002, LIR8001, LIR8002

Compatible with most Electronic Low Voltage and Triac (Incandescent) Dimmers

Electronic Low Voltage (ELV)
Lutron Faedra
Lutron NovaT
Leviton Acenti

Triac (Incandescent)
Lutron Skylark
Lutron Maestro
Leviton True Torch
Leviton SureSlide
Leviton Illumitech
Cooper Aspire
Leviton Trimatron

LED Linear Wall Lighter Luminaire Series: CTL170 and CTL171

Compatible with most Electronic Low Voltage and Triac (Incandescent) Dimmers

Electronic Low Voltage (ELV)
Lutron Skylark
Lutron Maestro
Lutron NovaT
Leviton Illumatech
Lutron Diva
Leviton Sureslide
Leviton Vizia

Triac (Incandescent)
Lutron Skylark
Lutron Diva
Leviton Illumatech

Eclipse LED Track Luminaire Series: CTL8081H, CTL8070, CTL8071, CTL8072, and CTL8073

Compatible with most Triac (Incandescent) Dimmers

Triac (Incandescent)
Lutron Skylark
Lutron Diva
Leviton SureSlide
Lutron Toggler
Leviton Illumatech

TRANSFORMER/DRIVER MATRIX FOR MCT-3LED LUMINAIRE & MRL-3LED PENDANTS

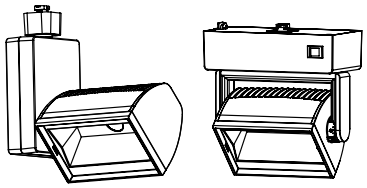
This matrix is designed to provide multiple options to powering the MCT-3LED Symphony Track luminaire and MRL-3LED Symphony Track pendants. All transformers and drivers must be installed according to National Electrical Code and local building codes. Due to minimum wattage requirements of many electronic transformers, ConTech offers a low wattage Electronic Transformer option, as well as Magnetic Transformers and Drivers.

MOUNTING OPTION	# OF LUMINAIRES/ TOTAL WATTAGE	ELECTRONIC TRANSFORMER	MAGNETIC TRANSFORMER	DRIVER
Mono-Point (MLA-18 or MLA-19)	1 Luminaire/Up to 4.7W	RS1260MLED	LVT-150	LED10CV12
Symphony Track	Up to (2) Luminaires/ Total of 9.4W	RS1260M	LED LVT-150	LED10CV12
Symphony Track	Up to (3) Luminaires/ Total of 14.1W	RS1260M	LED LVT-150	LED25 12V
Symphony Track	Up to (4) Luminaires/ Total of 18.8W	RS1260M	LED LVT-150	LED25 12V
Symphony Track	5 - 10 Luminaires/ Total of 23.5W - 47W	LRT-181, MLA-60	LVT-1200-C-24, LVT-150, LVT-300, LVT-300 277V, LVT-300-24, LVT-500-C, LVT-600-24, LVT-600-277V-24, LVT-600-C	LED60WDC12V
Symphony Track	11 or More Luminaires/ Total of 51.7W+	LRT-181, LVT-151, LVT-151 24V, MLA-60, MLA-415, MLA-830	LVT-1200-C-24, LVT-150, LVT-300, LVT-300 277V, LVT-300-24, LVT-500-C, LVT-600-24, LVT-600-277V-24, LVT-600-C	LED100WDC12V

All specifications subject to change without notice.

STEALTH LED WALL LIGHTER SERIES: CTL181, CTL182, CTL183 and CTL184

- Incandescent 120VAC dimmers adjust the light with "forward phase control," where the dimmer "chops" the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic low voltage 120VAC dimmers adjust the light with "reverse phase control," where the dimmer "chops" the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- Lutron HiLume drivers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com



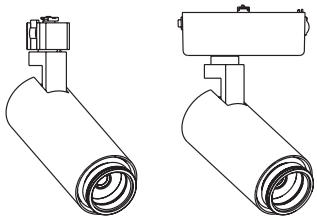
			CTL18 Series: "D" Driver Option			
			Light Output			
Manufacturer	***Product***	***Model***	***35W***	***41W***	***47W***	***57W***
Cooper	Devine	DAL06P	3% - 99%	N/A	0% - 100%	1% - 100%
Cooper	Decorator	DLC03P	N/A	4% - 100%	4% - 100%	4% - 100%
Cooper	Skye	SLC03P	N/A	N/A	1% - 100%	2% - 100%
Leviton	Decora	6161	19% - 99%	N/A	18% - 100%	20% - 100%
Leviton	SureSlide	6631-2	0% - 100%	N/A	1% - 100%	0% - 100%
Leviton	SureSlide	6633-P	2% - 99%	3% - 100%	3% - 100%	N/A
Leviton	Trimatron	6683-IW	N/A	7% - 100%	6% - 100%	9% - 100%
Leviton	IllumaTech	IPE04	9% - 99%	8% - 100%	8% - 100%	8% - 100%
Leviton	IllumaTech	IPI06-1LZ	1% - 100%	1% - 100%	1% - 100%	1% - 100%
Leviton	Vizia	VPE06	13% - 99%	12% - 100%	12% - 100%	13% - 100%
Leviton	Vizia	VPI06	11% - 96%	N/A	N/A	N/A
Lightolier	Momentum	ZP260QEW	N/A	10% - 100%	9% - 100%	19% - 100%
Lutron	Skylark Contour	CT103P	N/A	N/A	12% - 100%	13% - 100%
Lutron	Diva	DV600P	N/A	8% - 100%	8% - 100%	N/A
Lutron	Diva	DV603P	6% - 99%	N/A	N/A	N/A
Lutron	Diva	DVCL-153P	3% - 100%	N/A	2% - 100%	0% - 100%
Lutron	Diva	DVELV303P	9% - 99%	9% - 100%	9% - 100%	10% - 100%
Lutron	Faedra	FAELV500	15% - 98%	15% - 100%	14% - 100%	16% - 100%
Lutron	Lumea	LG600P	6% - 99%	N/A	8% - 100%	8% - 100%
Lutron	Maestro	MAELV600	15% - 99%	15% - 100%	14% - 100%	16% - 100%
Lutron	Maestro	MAW600	6% - 99%	N/A	N/A	N/A
Lutron	Skylark	S600P	N/A	4% - 100%	4% - 100%	4% - 100%
Lutron	Skylark	S-603PG	N/A	7% - 99%	7% - 97%	N/A
Lutron	Skylark	SELV300P	10% - 99%	10% - 100%	9% - 100%	11% - 100%
Lutron	Toggler	TG-600P	12% - 99%	17% - 100%	17% - 100%	N/A
Lutron	Toggler	TGCL-153P	6% - 99%	8% - 100%	8% - 100%	9% - 100%

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

TRACK DIMMING COMPATIBILITY

ADJUSTABLE BEAM LUMINAIRE: CTL 844 and CTL845 SERIES

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic low voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- Lutron HiLume drivers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com



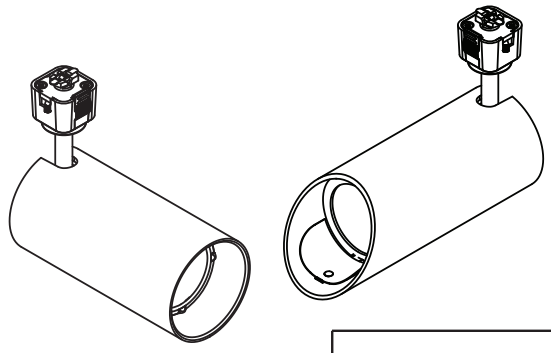
			CTL84 Series: “D” Driver Option	
			Light Output	
Manufacturer	***Product***	***Model***	***15W Low %***	***30W Low %***
Cooper	Decorator	DLC03P	1% - 100%	3% - 100%
Cooper	Devine	DAL06P	1% - 100%	1% - 100%
Cooper	Skye	SLC03P	0% - 100%	5% - 100%
Leviton	Decora	6161	15% - 100%	19% - 100%
Leviton	IllumaTech	IPI06-1LZ	N/A	1% - 100%
Leviton	IllumaTech	IPE04	6% - 100%	9% - 100%
Leviton	SureSlide	6631-2	1% - 100%	0% - 100%
Leviton	SureSlide	6633-P	0% - 100%	1% - 100%
Leviton	Trimatron	6683-IW	4% - 100%	6% - 100%
Leviton	Vizia	VPE06	10% - 100%	13% - 100%
Lightolier	Momentum	ZP260QEW	8% - 100%	10% - 97%
Lutron	Diva	DVCL-153P	3% - 100%	0% - 99%
Lutron	Diva	DV600P	0% - 100%	6% - 100%
Lutron	Diva	DVELV303P	7% - 100%	9% - 99%
Lutron	Faedra	FAELV500	12% - 100%	15% - 100%
Lutron	Glyder	GL-600P	N/A	13% - 100%
Lutron	Lumea	LG600P	5% - 100%	6% - 100%
Lutron	Maestro	MAELV600	11% - 100%	15% - 100%
Lutron	Skylark	S-603PG	4% - 91%	N/A
Lutron	Skylark	S600P	1% - 100%	N/A
Lutron	Skylark	SELV300P	7% - 100%	10% - 98%
Lutron	Skylark Contour	CT103P	9% - 100%	10% - 99%
Lutron	Toggler	TGCL-153P	4% - 100%	7% - 100%
Lutron	Toggler	TG-600P	11% - 100%	N/A

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

All specifications subject to change without notice.

GALLERY SERIES TRACK LUMINAIRE: CTL84C and CTL84X SERIES

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic low voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.



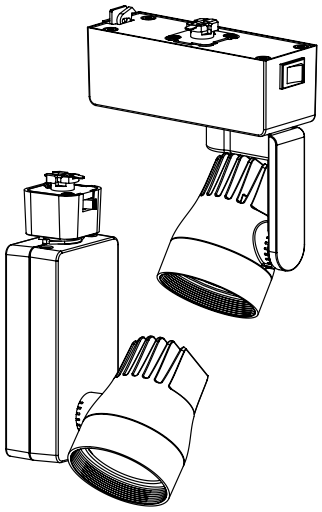
		CTL84 Series: “D” Driver Option				
		Light Output				
Manufacturer	***Model***	***10W***	***14W***	***20W***	***Xicato 16W***	***Xicato 23W***
Cooper	DAL06P	1% - 100%	0% - 100%	3% - 100%	-	-
Cooper	DLC03P	1% - 100%	0% - 100%	2% - 100%	2% - 100%	2% - 99%
Cooper	SLC03P	0% - 100%	0% - 100%	0% - 100%	1% - 100%	1% - 99%
Leviton	6161	13% - 100%	10% - 99%	10% - 99%	13% - 99%	12% - 99%
Leviton	IPE04	4% - 100%	3% - 100%	5% - 99%	6% - 99%	6% - 99%
Leviton	IPI06-1LZ	0% - 100%	0% - 99%	1% - 99%	1% - 99%	-
Leviton	VPE06	6% - 100%	5% - 100%	8% - 100%	8% - 100%	9% - 95%
Leviton	6633-P	1% - 100%	0% - 100%	-	3% - 100%	2% - 99%
Leviton	6683-IW	2% - 100%	2% - 100%	4% - 100%	13% - 100%	-
Lightolier	ZP260QEW	4% - 100%	3% - 99%	4% - 99%	4% - 98%	5% - 98%
Lutron	CT103P	8% - 100%	6% - 99%	6% - 99%	9% - 99%	10% - 99%
Lutron	DVCL-153P	0% - 100%	0% - 99%	0% - 99%	-	-
Lutron	DVELV303P	4% - 99%	3% - 97%	5% - 97%	6% - 96%	6% - 94%
Lutron	FAELV500	8% - 100%	7% - 99%	9% - 99%	10% - 99%	11% - 99%
Lutron	LG600P	-	5% - 99%	5% - 99%	-	8% - 99%
Lutron	MAELV600	8% - 100%	7% - 99%	9% - 99%	10% - 99%	11% - 99%
Lutron	S600P	3% - 100%	1% - 99%	-	-	5% - 99%
Lutron	SELV300P	4% - 98%	3% - 97%	5% - 96%	6% - 95%	7% - 100%
Lutron	TG-600P	10% - 100%	13% - 99%	12% - 99%	16% - 99%	15% - 99%
Lutron	TGCL-153P	2% - 100%	2% - 99%	4% - 99%	-	-

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

TRACK DIMMING COMPATIBILITY

MINI O2 LUMINAIRE: CTL 806 SERIES

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic low voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.



		CTL806 Series: “D” Driver Option		
		Light Output		
Manufacturer	***Model***	***10W***	***14W***	***20W***
Cooper	SLC03P	1% - 100%	0% - 100%	0% - 100%
Cooper	DAL06P	1% - 100%	1% - 100%	0% - 100%
Cooper	DLC03P	1% - 100%	1% - 100%	2% - 100%
Leviton	6631-2	1% - 100%	1% - 100%	1% - 100%
Leviton	6633-P	1% - 100%	0% - 100%	2% - 100%
Leviton	IPI06-1LZ	1% - 100%	N/A	2% - 100%
Leviton	6683-IW	4% - 100%	4% - 100%	6% - 100%
Leviton	IPE04	6% - 100%	6% - 100%	8% - 100%
Leviton	VPE06	9% - 100%	10% - 100%	11% - 100%
Lightolier	ZP260QEW	7% - 100%	8% - 100%	N/A
Lutron	DVCL-153P	0% - 100%	3% - 100%	1% - 100%
Lutron	S600P	1% - 100%	1% - 100%	4% - 100%
Lutron	TGCL-153P	5% - 100%	4% - 100%	6% - 100%
Lutron	S-603PG	4% - 96%	4% - 91%	7% - 96%
Lutron	DV600P	5% - 100%	0% - 100%	8% - 100%
Lutron	LG600P	5% - 100%	5% - 100%	8% - 100%
Lutron	DVELV303P	6% - 100%	7% - 100%	8% - 100%
Lutron	SELV300P	7% - 100%	7% - 100%	8% - 100%
Lutron	CT103P	9% - 100%	9% - 100%	12% - 100%
Lutron	MAELV600	12% - 100%	11% - 100%	14% - 100%
Lutron	FAELV500	12% - 100%	12% - 100%	14% - 100%
Lutron	TG-600P	13% - 100%	11% - 100%	15% - 100%

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

All specifications subject to change without notice.

WALL SCONCE AND PENDANT DIMMING COMPATIBILITY

Testing has been performed on these dimmers, however, this does not imply any warranty of compatibility or performance.

Quadris LED Wall Sconces: WS075L, WS085L

Compatible with most Electronic Low Voltage and Triac (Incandescent) Dimmers

Electronic Low Voltage (ELV)	**Triac (Incandescent)**	
Lutron Faedra	Lutron Skylark	Leviton SureSlide
Lutron NovaT	Lutron Maestro	Leviton Illumitech
Leviton Acenti	Leviton True Torch	Cooper Aspire
		Leviton Trimatron

8W LED Pendant: CRS8 Series

Compatible with most Electronic Low Voltage and Triac (Incandescent) Dimmers.

Electronic Low Voltage (ELV)	**Triac (Incandescent)**	
Lutron Faedra	Lutron Skylark	Leviton SureSlide
Lutron NovaT	Lutron Maestro	Leviton Illumitech
Leviton Acenti	Leviton True Torch	Cooper Aspire
		Leviton Trimatron

All specifications subject to change without notice.

2" LED DOWNLIGHT, 6" & 8" INTEGRATED LED CYLINDERS, OPTICA RECESSED MULTIPLES, LED RECESSED MULTIPLES

The following ConTech LED Products are compatible with the dimmers listed below.
RAN18L and RAN27L Recessed Multiples: Standard, 0-10V DC and LUTRON Hi-Lume® Dimming
RDA4L and RDA6L Recessed Multiples and RA2LRM 2" Recessed: Standard, Electronic Low Voltage and 0-10V DC Dimming

STANDARD TRIAC DIMMING

120V AC Dimming:
Incandescent (INC) and Magnetic Low Voltage (MLV) Dimmers

Standard 120V AC line voltage dimmers for incandescent and magnetic low voltage loads adjust the light with "forward phase control," where the dimmer "chops" the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.

120V AC Dimming:
Electronic Low Voltage (ELV) Dimmers

Standard 120V AC line voltage dimmers for electronic low voltage loads adjust the light with "reverse phase control," where the dimmer "chops" the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.

These systems are typically dimmable to 10%. LED Dimming performance may vary based on dimmer model, manufacturer, circuit wiring and circuit loading. Consult dimmer manufacture for the latest dimmer information.

Recommended Dimmers

Standard Dimmers:

- Lutron Skylark Series (Part #s S-600, S2-LH)
- Lutron Maestro Series (Part # MAW-600)
- Cooper Aspire Series (Part # 9530XXX)
- Leviton Illumitech Series (Part # IPI06-XXX)
- Leviton Trimatron Series (Part #s 6602-X, 6681-X, 6683-X, 6684-X, 700-X, and 705-X)
- Leviton SureSlide Series (Part # 6631)
- Leviton True Touch Series (Part # 6606-1LM)

Electronic Low Voltage Dimmers:

- Lutron Nova T Series (Part # NTELV-600)
- Lutron Faedra (Part # FAELV-500-XX)
- Leviton Acenti (Part # ACE06-XXX)

Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.

0-10V DC DIMMING

0-10V DC Dimming is a common type of dimming for many commercial applications. Many local codes require the contractor to separate the low and line voltage wiring in the junction box. 0-10V DC Low voltage dimming operates using two low voltage dimming wires that are separate from the 120V or 277V AC power. The 0-10V dimmer switch sends a variable output voltage to the luminaire based upon the dimming level. 10V Corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power (120V or 277V AC) input to the dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the dimmer and the LED driver. The control signal runs on two low voltage control wires (color coded violet and gray).

These systems are typically dimmable to 15%. LED Dimming performance may vary based on dimmer model, manufacturer, circuit wiring and circuit loading. Consult dimmer manufacture for the latest dimmer information.

Recommended Dimmers

- Lutron DVTV
- Leviton IP710

LUTRON Hi-Lume® DIMMING

Lutron Hi-Lume® LED A-Series drivers offer high-performance, continuous dimming from 1% - 100%.

For a complete list of compatible dimmers and controls, please visit www.lutron.com.

NOTES:

- Consult factory for additional dimming information.
- Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.

6" & 8" Hardwired LED Recessed Modules: RFTA63430K, RFTA83430K, CST6L3430K, and CST8L3430K

Compatible Dimming Controls

Lutron NovaT NTLV600	Lutron Diva DVLV-600P	Lutron Diva DVCL-153P
Lutron Diva DVELV-303P	Lutron Skylark SELV-300P	Lutron Skylark CTCL-153P
Lutron Maestro MRF2-6ND-120	Lutron Maestro MACL-153M	Pass & Seymour TDLV703-PW

Socketed LED Recessed Modules: RFT4E130K, RFT56E130K, RFT6E-130K Series, RFT6E-ADJ-130K Series, RFT6G-130K Series and RFT6G-ADJ-130K Series

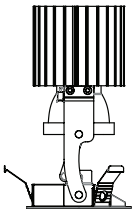
Compatible Dimming Controls

Lutron NovaT NTELV300	Lutron NovaT NTELV600	Lutron Diva DVELV-300P
Leviton Acenti ATE06-1L	Leviton Trimatron 705-I	Lutron Diva DVELV-303P

RECESSED DIMMING COMPATIBILITY

2" LED DOWNLIGHT: R2ANC, R2ARM

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic low voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- 0-10V DC low voltage dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The dimmer sends a variable output voltage to the fixture based upon the dimming level. 10V corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power (120V or 277V AC) input to the dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the dimmer and the LED driver. The control signal runs on two low voltage control wires (color coded violet and gray).
- Lutron HiLume and EcoSystem drivers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com
- Use DALI approved controls for dimming eldoLED MVD7 (1%-100%) and MVD9 (0.1%-100%) options.



			R2ANC* **R2ARM*** Dimming Options 12D, 27D, MVD Dimming Range	**R2ANC** **eldoLED ECOdrive 0-10V** Dimming Options MVD6 Dimming Range	**R2ANC** **eldoLED SOLOdrive 0-10V** Dimming Options MVD8 Dimming Range
Manufacturer	***Product***	***Model***	***Light Output***	***Light Output***	***Light Output***
Lutron	Ariadni	TGCL-153P	4%-100%	NA	NA
Lutron	Ariadni	TG-600P	11%-100%	NA	NA
Lutron	Diva	DVCL-153P	0%-100%	NA	NA
Lutron	Diva	DV600P	0%-100%	NA	NA
Lutron	Diva	DVELV303P	6%-100%	NA	NA
Lutron	Diva	DVTV	NA	1%-100%	0.1%-100%
Lutron	Faedra	FAELV500	12%-100%	NA	NA
Lutron	Lumea	LG600P	5%-100%	NA	NA
Lutron	Maestro	MAELV600	11%-100%	NA	NA
Lutron	Nova	NFTV	NA	1%-100%	0.1%-100%
Lutron	Nova T	NTFTV	NA	1%-100%	0.1%-100%
Lutron	Skylark	S-603PG	4%-96%	NA	NA
Lutron	Skylark	S600P	1%-100%	NA	NA
Lutron	Skylark	SELV300P	7%-100%	NA	NA
Lutron	Skylark	CT103P	9%-100%	NA	NA
Leviton	IllumaTech	IPI06-1LZ	1%-100%	NA	NA
Leviton	SureSlide	6631-2	1%-100%	NA	NA
Leviton	Vizia	VPE06	9%-100%	NA	NA
Leviton	Trimatron	6683-IW	4%-100%	NA	NA
Leviton	Decora	6161	15%-100%	NA	NA
Leviton	SureSlide	6633-P	0%-100%	NA	NA
Leviton	IllumaTech	IPE04	6%-100%	NA	NA
Leviton	IllumaTech	IP710-DLX	NA	1%-100%	0.1%-100%
Pass & Seymour	Titan	CD4FB-W	NA	1%-100%	0.1%-100%
Watt Stopper	Miro Decorator	DCLV1	NA	1%-100%	0.1%-100%
Synergy		ISD BC	NA	1%-100%	0.1%-100%
Cooper	Devine	DLC03P	1%-100%	NA	NA
Cooper	Skye	SLC03P	0%-100%	NA	NA
Cooper	Decorator	DAL06P	0%-100%	NA	NA

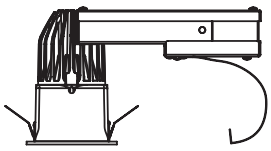
**277V Triac dimming is not available*

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

All specifications subject to change without notice.

2" LED SQUARE DOWNLIGHT: R2SQRM Series

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic vow voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- 0-10V DC low voltage dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The dimmer sends a variable output voltage to the fixture based upon the dimming level. 10V corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power (120V or 277V AC) input to the dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the dimmer and the LED driver. The control signal runs on two low voltage control wires (color coded violet and gray).



			R2SQRM* Dimming Option MVD Dimming Range
Manufacturer	***Product***	***Model***	***Light Output***
Lutron	Ariadni	TGCL-153P	4%-100%
Lutron	Ariadni	TG-600P	11%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Diva	DV600P	0%-100%
Lutron	Diva	DVELV303P	6%-100%
Lutron	Diva	DVTV	NA
Lutron	Diva	DVSTWH	8%-100%
Lutron	Faedra	FAELV500	12%-100%
Lutron	Lumea	LG600P	5%-100%
Lutron	Maestro	MAELV600	11%-100%
Lutron	Nova	NFTV	NA
Lutron	Nova T	NTFTV	NA
Lutron	Skylark	S-603PG	4%-96%
Lutron	Skylark	S600P	1%-100%
Lutron	Skylark	SELV300P	7%-100%
Lutron	Skylark	CT103P	9%-100%
Leviton	IllumaTech	IPI06-1LZ	1%-100%
Leviton	SureSlide	6631-2	1%-100%
Leviton	Renoir	AWSMT7	22%-100%
Leviton	Vizia	VPE06	9%-100%
Leviton	Trimatron	6683-IW	4%-100%
Leviton	Decora	6161	15%-100%
Leviton	SureSlide	6633-P	0%-100%
Leviton	IllumaTech	IPE04	6%-100%
Leviton	IllumaTech	IP710-DLX	NA
Pass & Seymour	Titan	CD4FB-W	NA
Watt Stopper	Miro Decorator	DCLV1	NA
Synergy		ISD BC	NA
Cooper	Devine	DLC03P	1%-100%
Cooper	Skye	SLC03P	0%-100%
Cooper	Decorator	DAL06P	0%-100%

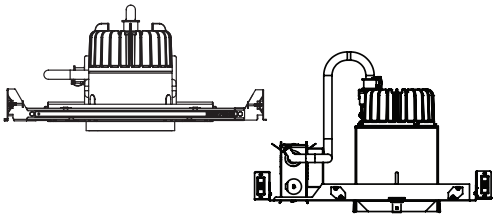
**277V Triac and ELV dimming is not available*

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

RECESSED DIMMING COMPATIBILITY

4" LED SQUARE DOWNLIGHTS: R4SQ Series
4" & 6" LED RECESSED ROUND DOWNLIGHTS: R4 Series, R6 Series

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic vow voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- 0-10V DC low voltage dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The dimmer sends a variable output voltage to the fixture based upon the dimming level. 10V corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power (120V or 277V AC) input to the dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the dimmer and the LED driver. The control signal runs on two low voltage control wires (color coded violet and gray).
- Lutron HiLume and EcoSystem dirvers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com
- Use DALI approved controls for dimming eldoLED MVD7 (1%-100%) and MVD9 (0.1%-100%) options.



			R4SQ Series* R4*/R6 Series* Dimming Options 12D, 27D, MVD Dimming Range	**R4SQ Series, R4/R6 Series eldoLED ECOdrive 0-10V** Dimming Options 12D6, 27D6, MVD6 Dimming Range	**R4SQ Series, R4/R6 Series eldoLED SOLOdrive 0-10V** Dimming Options 12D8, 27D8, MVD8 Dimming Range
Manufacturer	***Product***	***Model***	***Light Output***	***Light Output***	***Light Output***
Lutron	Ariadni	TGCL-153P	1%-100%	NA	NA
Lutron	Ariadni	TG-600P	13%-100%	NA	NA
Lutron	Diva	DVCL-153P	1%-100%	NA	NA
Lutron	Diva	DV600P	6%-100%	NA	NA
Lutron	Diva	DVELV303P	6%-100%	NA	NA
Lutron	Diva	DVTV	NA	1%-100%	0.1%-100%
Lutron	Faedra	FAELV500	12%-100%	NA	NA
Lutron	Lumea	LG600P	8%-100%	NA	NA
Lutron	Maestro	MAELV600	16%-100%	NA	NA
Lutron	Nova	NFTV	NA	1%-100%	0.1%-100%
Lutron	Nova T	NTFTV	NA	1%-100%	0.1%-100%
Lutron	Skylark	S-603PG	5%-96%	NA	NA
Lutron	Skylark	S600P	5%-100%	NA	NA
Lutron	Skylark	SELV300P	10%-100%	NA	NA
Lutron	Skylark	CT103P	9%-100%	NA	NA
Leviton	IllumaTech	IPI06-1LZ	1%-100%	NA	NA
Leviton	SureSlide	6631-2	1%-100%	NA	NA
Leviton	Vizia	VPE06	9%-100%	NA	NA
Leviton	Trimatron	6683-IW	6%-100%	NA	NA
Leviton	Decora	6161	15%-100%	NA	NA
Leviton	SureSlide	6633-P	1%-100%	NA	NA
Leviton	IllumaTech	IPE04	6%-100%	NA	NA
Leviton	IllumaTech	IP710-DLX	NA	1%-100%	0.1%-100%
Pass & Seymour	Titan	CD4FB-W	NA	1%-100%	0.1%-100%
Watt Stopper	Miro Decorator	DCLV1	NA	1%-100%	0.1%-100%
Synergy		ISD BC	NA	1%-100%	0.1%-100%
Cooper	Devine	DLC03P	1%-100%	NA	NA
Cooper	Skye	SLC03P	0%-100%	NA	NA
Cooper	Decorator	DAL06P	0%-100%	NA	NA

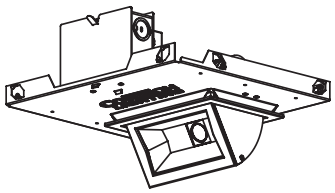
**277V Triac dimming is not available*

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

All specifications subject to change without notice.

6" LED STEALTH DOWNLIGHT: R6W Series

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic vow voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- 0-10V DC low voltage dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The dimmer sends a variable output voltage to the fixture based upon the dimming level. 10V corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power (120V or 277V AC) input to the dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the dimmer and the LED driver. The control signal runs on two low voltage control wires (color coded violet and gray).
- Lutron HiLume and EcoSystem dirvers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com
- Use DALI approved controls for dimming eldoLED MVD7 (1%-100%) and MVD9 (0.1%-100%) options.



			R6W Series* Dimming Options 12D, 27D, MVD Dimming Range	**R6W Series eldoLED ECOdrive 0-10V** Dimming Options MVD6 Dimming Range	**R6W Series eldoLED SOLOdrive 0-10V** Dimming Options MVD8 Dimming Range
Manufacturer	***Product***	***Model***	***Light Output***	***Light Output***	***Light Output***
Lutron	Ariadni	TGCL-153P	8%-100%	NA	NA
Lutron	Ariadni	TG-600P	15%-100%	NA	NA
Lutron	Diva	DVCL-153P	3%-100%	NA	NA
Lutron	Diva	DV600P	9%-100%	NA	NA
Lutron	Diva	DVELV303P	10%-100%	NA	NA
Lutron	Diva	DVTV	NA	1%-100%	0.1%-100%
Lutron	Faedra	FAELV500	15%-100%	NA	NA
Lutron	Lumea	LG600P	10%-100%	NA	NA
Lutron	Maestro	MAELV600	15%-100%	NA	NA
Lutron	Nova	NFTV	NA	1%-100%	0.1%-100%
Lutron	Nova T	NTFTV	NA	1%-100%	0.1%-100%
Lutron	Skylark	S-603PG	7%-96%	NA	NA
Lutron	Skylark	S600P	6%-100%	NA	NA
Lutron	Skylark	SELV300P	10%-100%	NA	NA
Lutron	Skylark	CT103P	12%-100%	NA	NA
Leviton	IllumaTech	IPI06-1LZ	2%-100%	NA	NA
Leviton	SureSlide	6631-2	1%-100%	NA	NA
Leviton	Vizia	VPE06	12%-100%	NA	NA
Leviton	Trimatron	6683-IW	8%-100%	NA	NA
Leviton	Decora	6161	20%-100%	NA	NA
Leviton	SureSlide	6633-P	3%-100%	NA	NA
Leviton	IllumaTech	IPE04	7%-100%	NA	NA
Leviton	IllumaTech	IP710-DLX	NA	1%-100%	0.1%-100%
Pass & Seymour	Titan	CD4FB-W	NA	1%-100%	0.1%-100%
Watt Stopper	Miro Decorator	DCLV1	NA	1%-100%	0.1%-100%
Synergy		ISD BC	NA	1%-100%	0.1%-100%

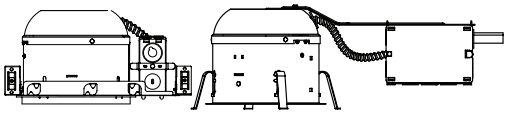
**277V Triac dimming is not available*

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

RECESSED DIMMING COMPATIBILITY

6" LED RECESSED DOWNLIGHTS: R38 Series

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic vow voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- 0-10V DC low voltage dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The dimmer sends a variable output voltage to the fixture based upon the dimming level. 10V corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power (120V or 277V AC) input to the dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the dimmer and the LED driver. The control signal runs on two low voltage control wires (color coded violet and gray).
- Lutron HiLume and EcoSystem dirvers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com



			RL38 LED Series* Dimming Options 12D, 27D, MVD Dimming Range
Manufacturer	***Product***	***Model***	***Light Output***
Lutron	Ariadni	TGCL-153P	4%-100%
Lutron	Ariadni	TG-600P	11%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Diva	DV600P	0%-100%
Lutron	Diva	DVELV303P	6%-100%
Lutron	Diva	DVTV	NA
Lutron	Diva	DVSTWH	8%-100%
Lutron	Faedra	FAELV500	12%-100%
Lutron	Lumea	LG600P	5%-100%
Lutron	Maestro	MAELV600	11%-100%
Lutron	Nova	NFTV	NA
Lutron	Nova T	NTFTV	NA
Lutron	Skylark	S-603PG	4%-96%
Lutron	Skylark	S600P	1%-100%
Lutron	Skylark	SELV300P	7%-100%
Lutron	Skylark	CT103P	9%-100%
Leviton	IllumaTech	IPI06-1LZ	1%-100%
Leviton	SureSlide	6631-2	1%-100%
Leviton	Renoir	AWSMT7	22%-100%
Leviton	Vizia	VPE06	9%-100%
Leviton	Trimatron	6683-IW	4%-100%
Leviton	Decora	6161	15%-100%
Leviton	SureSlide	6633-P	0%-100%
Leviton	IllumaTech	IPE04	6%-100%
Leviton	IllumaTech	IP710-DLX	NA
Pass & Seymour	Titan	CD4FB-W	NA
Watt Stopper	Miro Decorator	DCLV1	NA
Synergy		ISD BC	NA
Cooper	Devine	DLC03P	1%-100%
Cooper	Skye	SLC03P	0%-100%
Cooper	Decorator	DAL06P	0%-100%

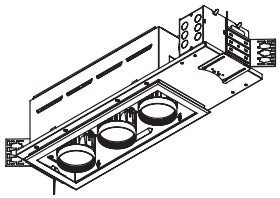
**277V Triac and ELV dimming is not available*

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

All specifications subject to change without notice.

6" LED O3 LED RECESSED MULTIPLE: RDA6L Series

- Incandescent 120VAC dimmers adjust the light with “forward phase control,” where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic vow voltage 120VAC dimmers adjust the light with “reverse phase control,” where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- 0-10V DC low voltage dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The dimmer sends a variable output voltage to the fixture based upon the dimming level. 10V corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power (120V or 277V AC) input to the dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the dimmer and the LED driver. The control signal runs on two low voltage control wires (color coded violet and gray).
- Lutron HiLume and EcoSystem dirvers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com



			RDA6 SERIES* Dimming Options 12D, 27D Dimming Range
Manufacturer	***Product***	***Model***	***Light Output***
Lutron	Ariadni	TGCL-153P	1%-100%
Lutron	Ariadni	TG-600P	13%-100%
Lutron	Diva	DVCL-153P	1%-100%
Lutron	Diva	DV600P	6%-100%
Lutron	Diva	DVELV303P	6%-100%
Lutron	Diva	DVTV	NA
Lutron	Diva	DVSTWH	8%-100%
Lutron	Faedra	FAELV500	12%-100%
Lutron	Lumea	LG600P	8%-100%
Lutron	Maestro	MAELV600	16%-100%
Lutron	Nova	NFTV	NA
Lutron	Nova T	NTFTV	NA
Lutron	Skylark	S-603PG	5%-96%
Lutron	Skylark	S600P	5%-100%
Lutron	Skylark	SELV300P	10%-100%
Lutron	Skylark	CT103P	9%-100%
Leviton	IllumaTech	IPI06-1LZ	1%-100%
Leviton	SureSlide	6631-2	1%-100%
Leviton	Renoir	AWSMT7	22%-100%
Leviton	Vizia	VPE06	9%-100%
Leviton	Trimatron	6683-IW	6%-100%
Leviton	Decora	6161	15%-100%
Leviton	SureSlide	6633-P	1%-100%
Leviton	IllumaTech	IPE04	6%-100%
Leviton	IllumaTech	IP710-DLX	NA
Pass & Seymour	Titan	CD4FB-W	NA
Watt Stopper	Miro Decorator	DCLV1	NA
Synergy		ISD BC	NA
Cooper	Devine	DLC03P	1%-100%
Cooper	Skye	SLC03P	0%-100%
Cooper	Decorator	DAL06P	0%-100%

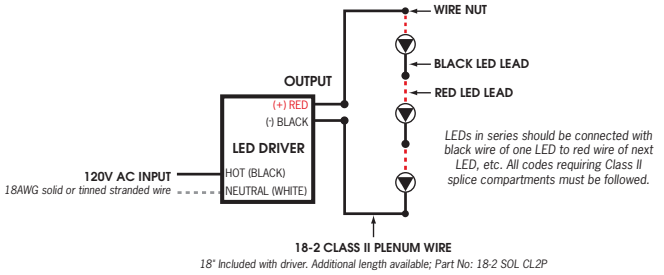
**277V Triac dimming is not available*

Notes
1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.

NON-DIMMING & DIMMING DRIVERS: ACCENT LIGHTING

Because LEDs operate at a lower current than traditional light sources, most LED luminaires must be powered by an LED driver. When selecting a driver, follow these steps:

1. Verify the appropriate current (typically 350mA or 700mA)
2. Select a driver with enough usable wattage for the luminaires you've selected.



MODEL	OUTPUT CURRENT	WATTAGE RANGE	INPUT VOLTAGE	MAX. MOUNTING DISTANCE	LENGTH	WIDTH	HEIGHT
NON-DIMMING DRIVERS							
LED3503	350mA	1.0W – 3.2W	100-240V	65-1/2'	2"	1-5/8"	7/8"
LED3512	350mA	1.0W – 11.5W	120V	108'	5-1/4"	7/8"	7/8"
LED3513	350mA	6.3W - 12.6W	100-240V	65-1/2'	6-5/8"	1-5/8"	1-1/4"
LED3518	350mA	10.5W - 18.9W	100-240V	65-1/2'	4-1/8"	2-3/4"	1-1/4"
LED7003	700mA	2.0W - 3.5W	100-240V	65-1/2'	2"	1-5/8"	7/8"
LED7012	700mA	5.6W - 12.6W	100-240V	65-1/2'	6-5/8"	1-5/8"	1-1/4"
LED7017	700mA	2.0W - 16.8W	120V	108'	5-1/4"	1-5/8"	7/8"
LED7018	700mA	8.4W - 18.9W	100-240V	65-1/2'	4-1/4"	2-3/4"	1-1/4"
DIMMING DRIVERS							
LED350-15D1D2-UNV-3	350mA	2.0W - 14.7W	120V/277V	65'	3-1/3"	1-1/2"	1"
LED700-12D1-120	700mA	3W - 12W	120V	100'	4-7/8"	1-1/3"	3/4"
LED700-22D1-120	700mA	7W - 22W	120V	100'	4-3/4"	1-1/2"	1"

NON-DIMMING DRIVERS

- Drivers provide constant 350mA or 700mA output
- DC constant current output
- Serial connection required from luminaire to luminaire
- Short-circuit protection
- Meets UL, CSA and FCC requirements
- Class II LED driver must be maintained within an enclosure that meets local building codes and NEC
- For additional configurations, consult factory

Non-Dimming Drivers

LED3503 - 3W/350mA Driver
LED7003 - 3W/700mA Driver

LED3513 - 12W/350mA Driver
LED7012 - 12W/700mA Driver

LED3512 - 12W/350mA Driver
LED7017 - 17W/700mA Driver

LED3518 - 18W/350mA Driver
LED7018 - 18W/700mA Driver

DIMMING DRIVERS

- Drivers provide constant current 350mA or 700mA output
- There must be at least two (2) luminaires on these drivers to operate properly
- Serial connection required from luminaire to luminaire
- Compatible with standard dimmers; leading edge, trailing edge and universal
- Fully protected: short circuit, input high voltage, inherent thermal protection and over voltage protection
- Self re-settable
- Meets UL, CSA and FCC requirements
- Class II LED driver must be maintained within an enclosure that meets local building codes and NEC
- For additional configurations, consult factory

Dimming Drivers

LED350-15D1D2-UNV-3 - 15W/350mA Dimmable Driver (Triac,0-10V)
LED700-12D1-120 - 12W/700mA Dimmable Driver
LED700-22D1-120 - 22W/700mA Dimmable Driver

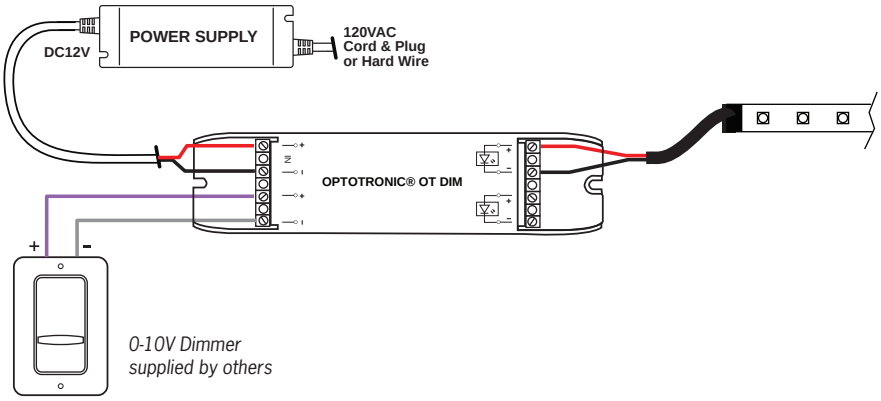
All specifications subject to change without notice.

LED Driver Accessories

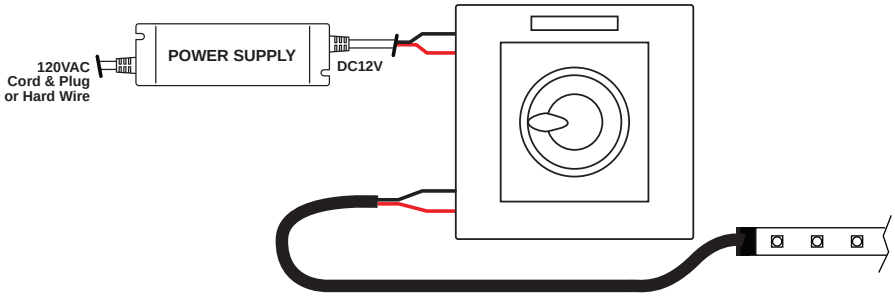
18-2 SOL CL2P - 18-2 Class II Plenum Wire (Sold in Foot Increments)

ConTech LED Tapelight is dimmable utilizing either the TLPDIM10V Dimming Module or the TLPDIMWP Wall Mount Dimmer.

- The 0-10V Dimming Module (TLPDIM10V) is designed for use with commercially available 0-10V dimmers. 0-10V dimmers are commonly used for LED lighting systems due to their fine performance and reliability. Compatible with quality 0-10V dimmers, this module will dim down to 15%.



- The Wall Mount Dimmer (TLPDIMWP) contains on-board dimming capabilities and dims down to 0%. It has an attractive appearance that blends with most decors and requires no junction box to mount.



For additional instructions, please refer to the installation instructions on our website www.contechlighting.com.

TAPELIGHT POWER SUPPLY/DISTANCE CHARTS

12V TAPELIGHT SERIES

ConTech POWER SUPPLY INPUT VOLTAGE: 12V DC		STANDARD OUTPUT 1.2W/FT		HIGH OUTPUT 1.8W/FT		SUPER HIGH OUTPUT 3.6W/FT		RGB* OUTPUT 3.9W/FT		SIDE EMITTING STAND. OUTPUT 0.65W/FT		SIDE EMITTING HIGH OUTPUT 1.4W/FT	
MODEL NO.	**WATTAGE**	**MAX LOAD**	**MAX SPLIT**	**MAX LOAD**	**MAX SPLIT**	**MAX LOAD**	**MAX SPLIT**	**MAX LOAD**	**MAX SPLIT**	**MAX LOAD**	**MAX SPLIT**	**MAX LOAD**	**MAX SPLIT**
TLP12VP24	24W	14 FT	14 FT	10 FT	10 FT	5 FT	5 FT	5 FT	5 FT	30 FT	30 FT	14 FT	14 FT
TLP12VP36	36W	17 FT	17 FT	12 FT	12 FT	6 FT	6 FT	5.5 FT	5.5 FT	32 FT	34 FT	17 FT	17 FT
TLP12VP60	60W	22 FT	26 FT	17 FT	17 FT	10 FT	10 FT	7 FT	9 FT	32 FT	50 FT	22 FT	26 FT
TLP12VHW20	20W	22 FT	36 FT	17 FT	28 FT	12 FT	16 FT	7 FT	10 FT	32 FT	78 FT**	22 FT	40 FT
TLP12VHW60	60W	22 FT	36 FT	17 FT	28 FT	12 FT	16 FT	7 FT	10 FT	32 FT	78 FT**	22 FT	40 FT
TLP12VHW60 277	60W	22 FT	36 FT	17 FT	28 FT	12 FT	16 FT	7 FT	10 FT	32 FT	78 FT**	22 FT	40 FT

*RGB Is at full power (all three LEDs are illuminated). Power consumption may vary based on color changing program.

**Max split can be split more than once, without exceeding the max single run in each leg.

- Max Run refers to the total single run of tapelight that can go on a power supply. Max Split refers to the total amount of tapelight that can go on a driver if it were separated into two runs.
- Max Run lengths are calculated with 12V DC at the start of the tape run. Voltage drop may occur if not using proper wire gauge. Please refer to the Power Supply Wiring Chart.
- Max Run lengths above are calculated with no more than 30% light loss from the start of the tape run to the end of the tape run for optimal light consistency. If run lengths are extended beyond the recommended lengths noted above, there will be inconsistent light output and voltage drop.

ConTech POWER SUPPLY INPUT VOLTAGE: 12V DC			WET OUTDOOR WATTS PER FOOT: 1.8
MODEL NO.	**TYPE**	**WATTAGE**	**MAX LOAD**[1]
TLPO12VP36	Plug-In	36W	20 ft.
TLPO12VP60	Plug-In	60W	32.8 ft.

1. *Overall distance of LED tape under load [illuminated sections]. If exceeded damage to the power supply and LED tape may result.*

24V TAPELIGHT SERIES

ConTech POWER SUPPLY INPUT VOLTAGE: 24V DC		STANDARD OUTPUT 2.1W/FT		HIGH OUTPUT 3.8W/FT		RGBW* OUTPUT 4.8W/FT	
MODEL NO.	**WATTAGE**	**MAX LOAD**	**MAX SPLIT**	**MAX LOAD**	**MAX SPLIT**	**MAX LOAD**	**MAX SPLIT**
TLP24HW20	20W	9 FT	9 FT	5 FT	5 FT	4 FT	4 FT
TLP24VP36	36W	16 FT	16 FT	9 FT	9 FT	7 FT	7 FT
TLP24VP60	60W	40 FT	28 FT	18 FT	18 FT	12 FT	12 FT
TLP24VHW60	60W	40 FT	28 FT	18 FT	18 FT	12 FT	12 FT
TLP24VP96	96W	40 FT	50 FT	25 FT	30 FT	14 FT	18 FT
TLP24VHW96	96W	40 FT	50 FT	25 FT	30 FT	14 FT	18 FT

*RGBW Is at full power (all four LEDs are illuminated). Power consumption may vary based on color changing program.

**Max split can be split more than once, without exceeding the max single run in each leg.

- Max Run refers to the total single run of tapelight that can go on a power supply. Max Split refers to the total amount of tapelight that can go on a driver if it were separated into two runs.
- Max Run lengths are calculated with 12V DC at the start of the tape run. Voltage drop may occur if not using proper wire gauge. Please refer to the Power Supply Wiring Chart.
- Max Run lengths above are calculated with no more than 30% light loss from the start of the tape run to the end of the tape run for optimal light consistency. If run lengths are extended beyond the recommended lengths noted above, there will be inconsistent light output and voltage drop.

POWER SUPPLY WIRING CHART (Copper Wire)					
Wire Gauge	20	18	16	14	12
Distance*	6 ft.	10 ft.	15 ft.	23 ft.	40 ft.

*Power Supply to First LED Tape Section; 12 Gauge Wire Recommended

All specifications subject to change without notice.

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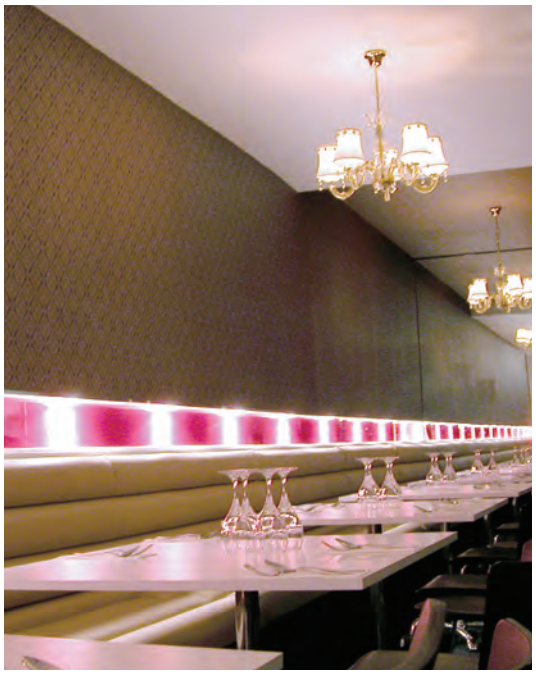
REFERENCE



LED LUMINAIRE EVALUATION

There are many LED products on the market today, all promising long life, energy savings and great color. All LED products, however, are not created equal. Product performance depends on several critical factors, including the LED chip itself, Thermal Management, Optical Performance and Electrical Management. More wattage and lumens do not necessarily determine the "better product".

When specifying LED products, the following data should be considered for performance and reliability.

1. What type of material is the luminaire made of (for maximum thermal management)?
2. Is the heat sink active or passive? If active, is it driven separately or with the LED driver?
3. Does the heat sink design allow for proper air flow when used in a real world application?
4. What is the photometric performance of the luminaire – intensity, beam and field angles?
5. Is independent electronic performance data, the IESNA LM-63 test, available?
6. What is the visual appearance of the light and what is the beam to field uniformity for both intensity and color?
7. What is the luminaire efficacy or lumens per watt?
8. Does the literature for the luminaire describe the actual tested delivered lumen data or just the raw LED chip data?
9. What is the predicted life to 70% of initial lumens (lumen depreciation)?
10. Is independent electrical and color performance data, the IESNA LM-79 test, available?
11. What is the color accuracy and tolerance (binning, CRI, CCT) of the luminaire?
12. What is the glare control/visual comfort of the luminaire?
13. Are the LED chips and all components RoHS compliant?
14. Are the LED modules replaceable?
15. What is the warranty on the entire luminaire system?
16. Is the luminaire certified for safety (UL, CSA or other)?

LED STANDARDS

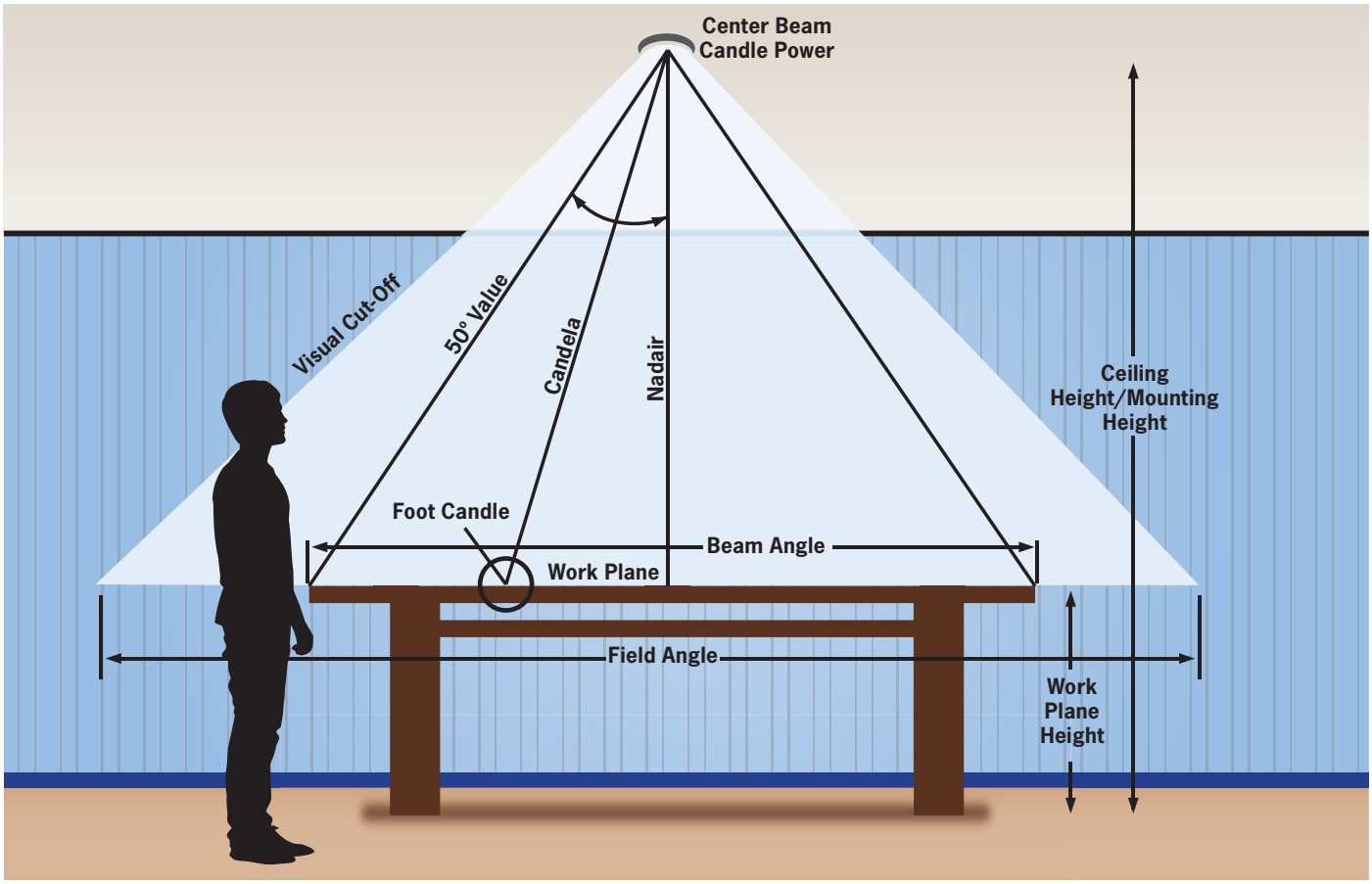
LED Technology provides designers with many distinct advantages over other light sources including size, efficiency and color, provided the LED is designed into the luminaire properly. A system approach to luminaire design is required to showcase the advantages LED technology has to offer. The key parts of the luminaire design include thermal management, optical performance, color consistency, electrical management and the LED chip itself. If not managed properly, as a complete system, the benefits of this technology will be lost. To maximize the benefits of this technology, all the key parts of the system must be properly blended.

As with all new technologies, standards must be developed for consistency in the marketplace. Key standards for LED products include LM-79-08 and LM-80-08, both published by the IESNA. These standards are not a minimum specification of performance; they are simply a standardized report of performance data for LED products.

LM-79-08 is the IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products. This standard provides data on the electrical and color performance of an LED product. This standard also includes the photometric performance of a luminaire, which by itself is known as LM-63-02.

LM-80-08 is the IESNA Approved Method for Measuring Lumen Maintenance of LED Light Sources. This standard provides thermal, color, and intensity data of LED chips themselves over their lifetime. This data is used by luminaire manufacturers to determine performance expectations of an LED when integrated into a luminaire.

TERMS



All specifications subject to change without notice.

BINNING: The process of separating LED chips based on their various characteristics and assigning them a specific bin code after matching similar chips. Small bins result in better color consistency.

CCT: Correlated Color Temperature; A measure of the color appearance of a white light source. CCT is measured on the Kelvin absolute temperature scale. White lighting products are most commonly available from 2700K (Warm White), 4000K (Neutral White) and 5000K (Cool White).

CHIP LUMENS: Measurement of luminous flux produced by an LED chip operating in a controlled lab environment.

CHROMATICITY: Description of the quality of a color regardless of its luminance. Defined by x and y coordinates on the standard chromaticity scale developed by the CIE.

CRI: Color Rendering Index; A measure of how a light source renders colors of objects, compared to a reference light source. CRI is given as a number from 0 to 100, with 100 referencing the best color.

FIELD ANGLE: The angle between the two directions for which the intensity is 10% of the maximum.

FIXTURE LUMENS: The unit measurement of luminous flux provided by a complete luminaire operating at standard room temperature.

FOOTCANDLE (fc): The unit of measurement of illuminance incident on a surface.

HEAT SINK: Thermally conductive material attached to the printed circuit board on which the LED is mounted.

ILLUMINANCE: The density of light received at a point on a surface, measured in footcandles.

JUNCTION TEMPERATURE (Tj): Temperature within the LED device; key to ensuring long life of LEDs.

L70 (or L_{70}): Shorthand for 70% of initial lumen output; stated conversely, it indicates 70% lumen maintenance.

LED: Light Emitting Diode. A solid-state semi-conductor that converts electrical energy directly into light.

LUMEN (lm): The unit measurement of luminous flux equal to the light emitted in a solid angle by a uniform point source of one candela intensity.

LUMEN DEPRECIATION: The decrease in lumen output that occurs as a lamp is operated. Because LEDs can continue to operate at very low light levels, LED life is usually defined as lumen depreciation to a particular point, such as 70% of initial lumens.

LUMINOUS EFFICACY: The ratio of luminous flux to watts/power; how well a light source provides visible light from a given amount of electricity.

LUMINOUS FLUX: The total amount of illumination emitted by a light source; measured in lumens.

LUX: The metric unit of illuminance. One lux is one lumen per square meter: lm/m2

mA: Milliampere; unit of electrical current

MacADAM ELLIPSE: A series of 7 ellipses around each target color temperature on the chromaticity diagram; such as 2700K or 3000K, showing color shifts from the target color temperature; any shift beyond 4 steps is distinguishable by the average human eye. By using this measuring system when binning white LEDs, a 4 step tolerance guarantees color consistency from luminaire to luminaire.

PC: Phosphor Conversion; White light can be produced by a blue, violet or near-UV LED coated with yellow or multi-chromatic phosphors. The combined light emission appears white.

REFLECTANCE: Ratio of the amount of light reflected from a surface versus the amount of light falling on it.

RGB: Red, Green, Blue; the three primary colors that make up white light. One way to create white light with LEDs is to mix the three primary colors of light.

SPECTRAL POWER DISTRIBUTION (SPD) CURVES: A plot of the level of energy at each wavelength of a light source.

SSL: Solid State Lighting; Umbrella term for semiconductors used to convert electricity into light.

WORK PLANE: A surface at which work is done and at which lighting levels are specified and measured. This is typically a horizontal plane 2-1/2 feet (30 inches) from the floor.

WARM

NEUTRAL

COOL

COLOR

THE RIGHT COLOR LIGHT

When talking about white light sources such as LEDs, the terms “warm” and “cool” are used. White light LEDs fall into three general categories: warm, neutral and cool. Available metrics help determine a good quality white light, including: correlated color temperature (CCT), color rendering index (CRI), chromaticity standards and spectral power distribution (SPD) charts.

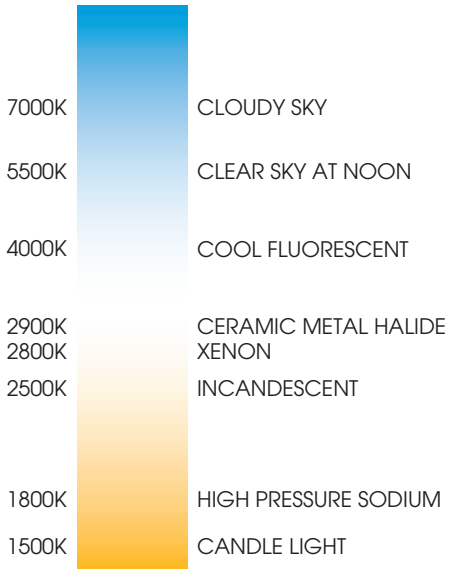
CORRELATED COLOR TEMPERATURE (CCT)

Correlated Color Temperature is a measure of the color appearance of a white light source. CCT is measured on the Kelvin absolute temperature scale. White lighting products are most commonly available from 2700K (Warm White), 3000K (Neutral White) and 4000K (Cool White).

White light with a hint of yellow-like candlelight is called “warm white”. The color temperature of warm white is below 3000K. Warm white enhances reds and Ambers, dulls blues, and adds a yellow tint to whites and greens.

Neutral white has a midrange color temperature of 3000K – 3500K. This light enhances most colors equally and does not emphasize either yellow or blue.

Bluish white, like moonlight or snow, is considered “cool white”. The color temperature is above 3500K. Cool white enhances blues, dulls reds and imparts a bluish tint to whites and greens.



All specifications subject to change without notice.

COLOR RENDERING INDEX (CRI)

	Appearance
R1	Light Grayish Red
R2	Dark Grayish Yellow
R3	Strong Yellow Green
R4	Moderate Yellowish Green
R5	Light Bluish Green
R6	Light Blue
R7	Light Violet
R8	Light Reddish Purple
R9	Strong Red
R10	Strong Yellow
R11	Strong Green
R12	Strong Blue
R13	Light Yellowish Pink
R14	Moderate Olive Green

Color Rendering Index is a measure of how a light source renders colors of objects, compared to a reference light source. CRI is given as a number from 0 to 100, with 100 referencing the best color. There are eight standard test colors (R1 - R8), which may be supplemented with “special purpose” test samples (R9 - R14).

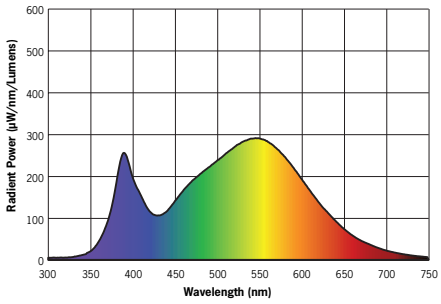
The higher the CRI of a light source, the better – and more natural – colors appear. A CRI of 100 would represent a source that has the rendering capabilities of incandescent light (for sources below 5000K). A CRI of 0 would come from a source that provides light without color, like a black and white television.

CRI	90+	80 - 90
Rating	Excellent	Good
Typical Applications	Retail *(Displays and Stores)* Showrooms Restaurants Executive Offices Conference Rooms Lobbies Residences Supermarkets Galleries	Offices Classrooms Security Lighting Manufacturing Areas High Bay Retail Storage Areas

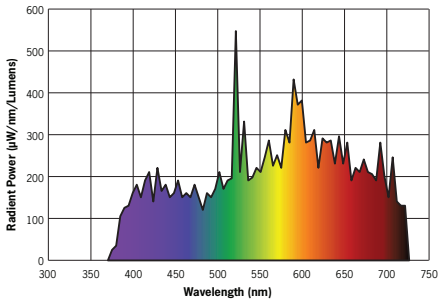
SPECTRAL POWER DISTRIBUTION (SPD) CHARTS

Spectral Power Distribution (SPD) charts are used to demonstrate the visible wavelengths generated by a specific light source. SPD charts are good tools for understanding which colors will be rendered well by which sources. If the wavelength is not present in the light source, then it can not be rendered in the space.

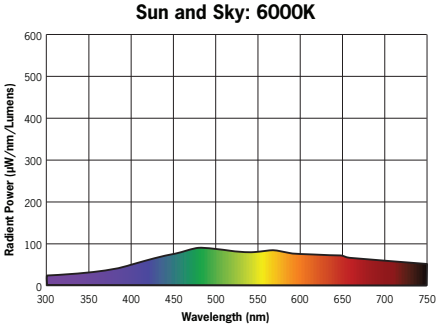
Warm Light LED



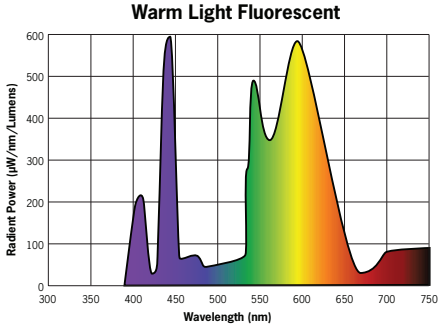
Ceramic Metal Halide



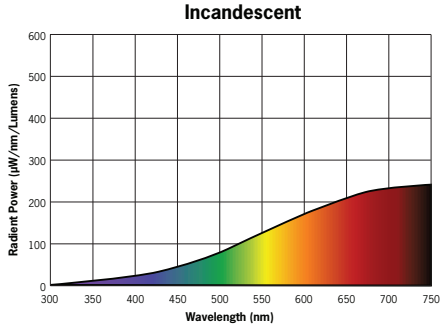
Sun and Sky: 6000K



Warm Light Fluorescent



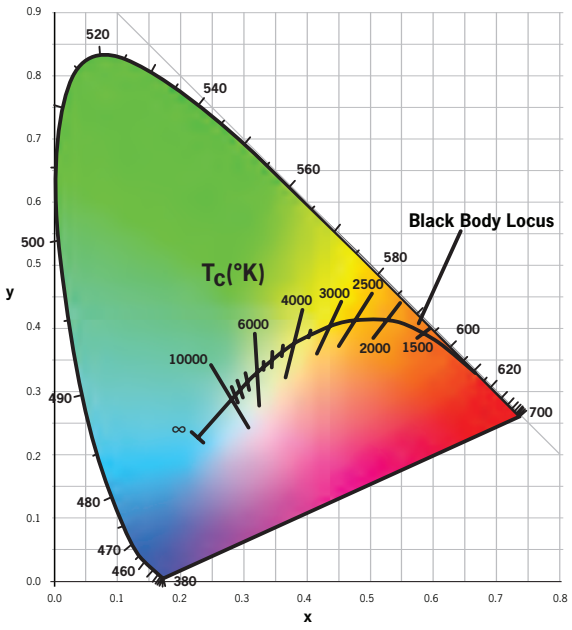
Incandescent



COLOR

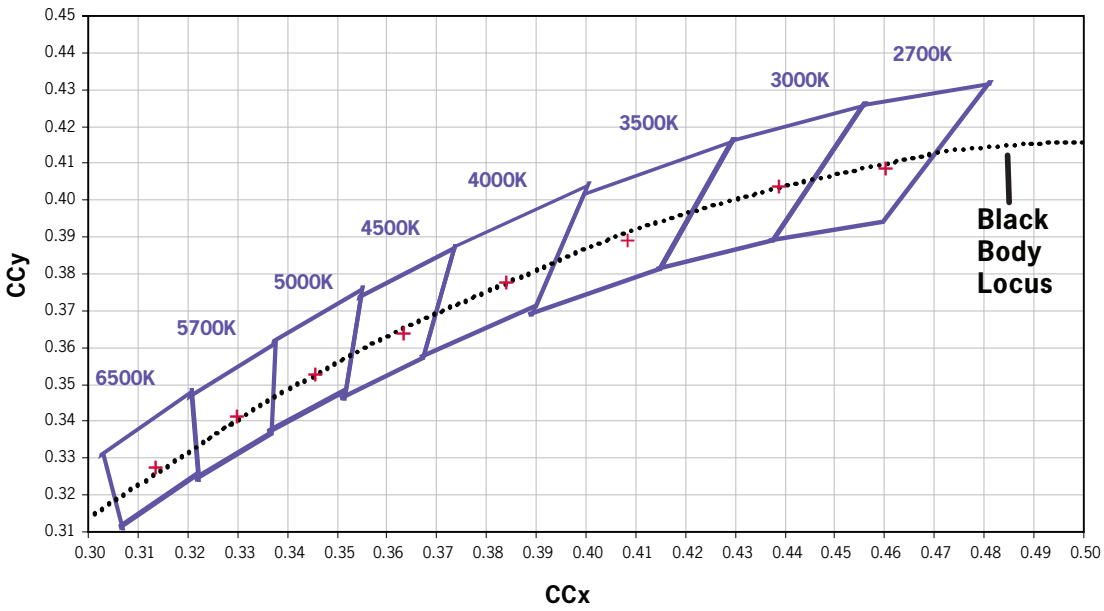
Chromaticity is a description of the quality of a color regardless of its luminance. Defined by x and y coordinates on the standard chromaticity scale developed by the CIE.

CIE Chromaticity Chart



Nominal CCT	Target CCT and Tolerance (K)
2700K	2725 ± 145
3000K	3045 ± 175
3500K	3465 ± 245
4000K	3985 ± 275
4500K	4503 ± 243
5000K	5028 ± 283
5700K	5665 ± 355
6500K	6530 ± 510

ANSI Chromaticity Standard



Binning is the process of separating LED chips based on their various characteristics, including CCT and CRI, and assigning them a specific bin code after matching similar chips. Small bins result in better color consistency.

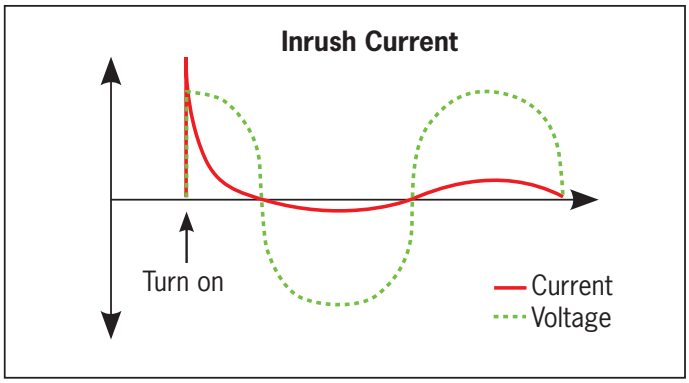
LED manufacturing and binning is a critical step in color consistency between chips.

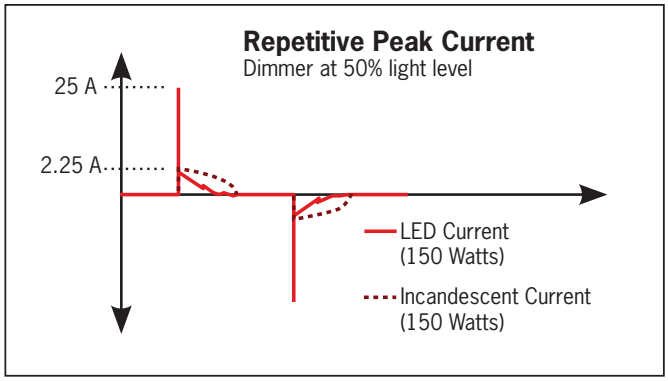
While primary color LEDs have been available for many years, recent advances in phosphor technology now permit production of good quality white light from LEDs.

All specifications subject to change without notice.

INRUSH CURRENT

Inrush Current is input current of short duration which occurs at start-up that is greater than the normal operating current of an LED lamp or luminaire. For example, the number of lamps or luminaires able to be installed on a circuit seems like a simple question to answer, but when using an LED load, a 300W dimmer with a 50W luminaire does not necessarily mean 6 luminaires can be used on this dimmer. While the luminaire may draw 50W continuously, it may have a start-up inrush current which draws a much higher load. These higher loads are why the LED luminaire load rating is usually less than the maximum rating of the dimmer. When designing a circuit of LED luminaires, you should leave at least 25% of the circuit capacity open to accommodate this condition, but specific system properties may require more capacity.



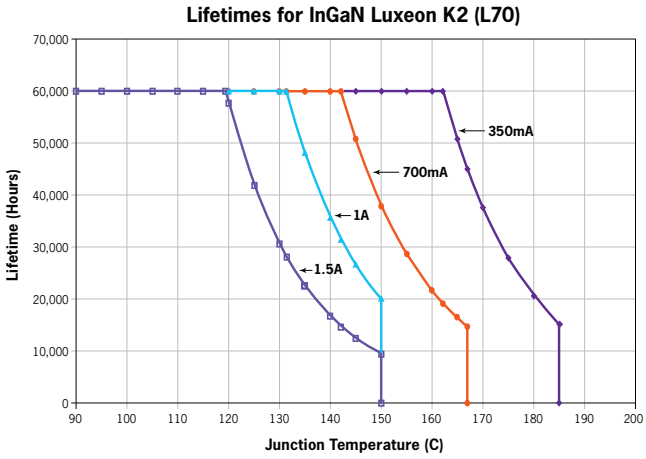


Source: Lutron

THERMAL MANAGEMENT & LONG LIFE

Lumen maintenance projections are based on testing and statistical extrapolation, accounting for the effects of drive current and LED junction temperature of the device in operation.

JUNCTION TEMPERATURE (Tj): Temperature within the LED device; key to ensuring long life of LEDs. Directly related to the useful life of the LED chip and luminaire (lumen maintenance).



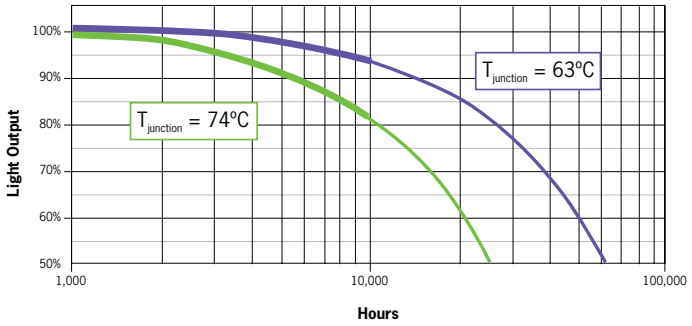
The curves show expected LED life based on drive current indicated by each colored line and target LED junction temperatures.

Source: Philips Lumileds

THERMAL MANAGEMENT & LONG LIFE

LUMEN DEPRECIATION: The decrease in lumen output that occurs as a lamp is operated. Because LEDs can continue to operate at very low light levels, LED life is usually defined as lumen depreciation to a particular point, such as 70% of initial lumens.

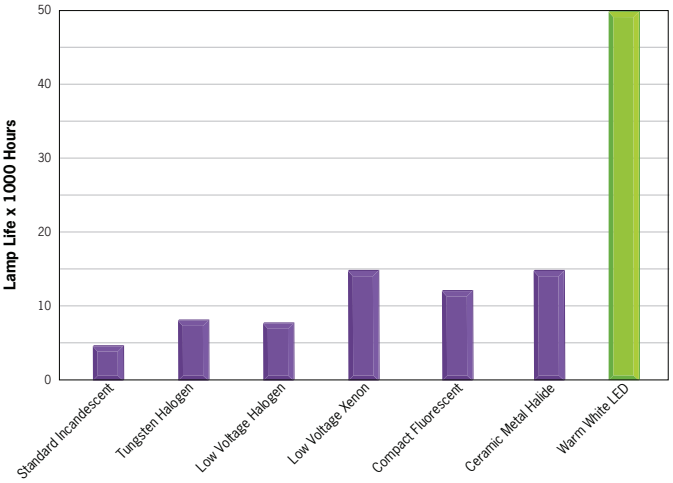
Useful Life of High Brightness White LEDs at Different Operating Temperatures



Continuous operation at elevated temperature dramatically accelerates lumen depreciation resulting in shortened useful life.

Source: Lighting Research Center

LAMP LIFE



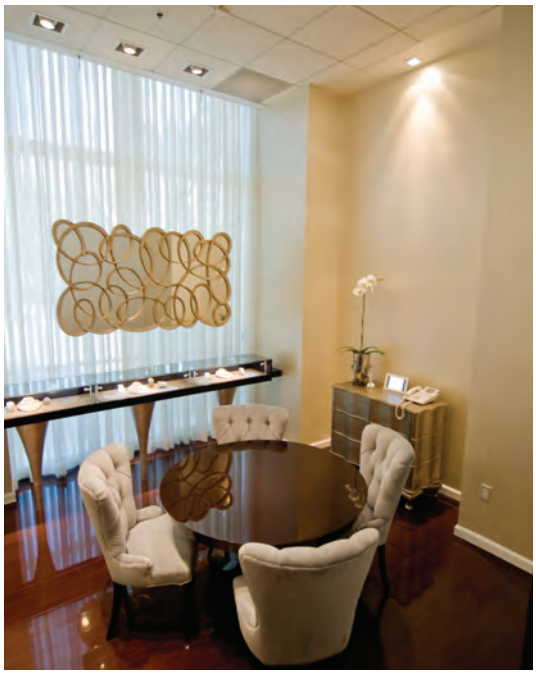
Lamp life is one of the main advantages LEDs have over traditional light sources. ConTech LED products last 50,000 hours; about 25 times longer than most incandescent sources.

Source: GE, Philips, Osram

All specifications subject to change without notice.

BARE LAMP PHOTOMETRICS 240
LUMINAIRE PHOTOMETRICS 245

PHOTOMETRICS

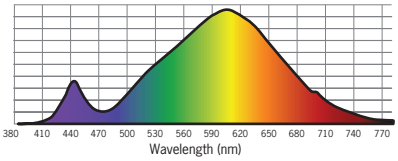


For the most complete and updated luminaire performance data, please refer to our website www.contechlighting.com

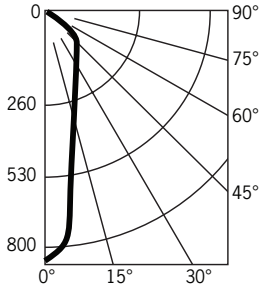
LR2907DDG-WFL-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 600
Total Watts@120V: 7
Lumens Per Watt: 86
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	881	
5	749	19
15	337	50
25	213	49
35	167	52
45	131	52
55	91	44
65	42	26
75	18	12
85	7	5
95	0	0

Intensity Distribution

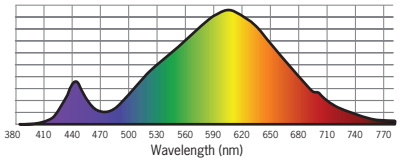
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	55.1	7.0
6'	24.5	10.5
8'	13.8	14.1
10'	8.8	17.6
12'	6.1	21.1
14'	4.5	24.6

Beam Distribution: 30°

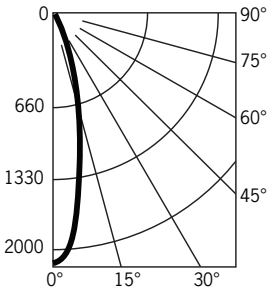
LR5210.5D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 800
Total Watts@120V: 10.5
Lumens Per Watt: 76
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2141	
5	1953	49
15	904	140
25	513	117
35	102	40
45	53	23
55	33	16
65	25	13
75	23	12
85	15	9
95	0	0

Intensity Distribution

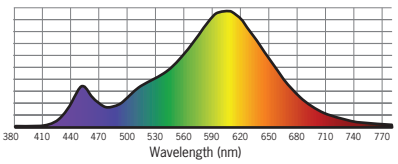
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	133.8	8.3
6'	59.5	12.4
8'	33.5	16.5
10'	21.4	20.7
12'	14.9	24.8
14'	10.9	29.0

Beam Distribution: 35°

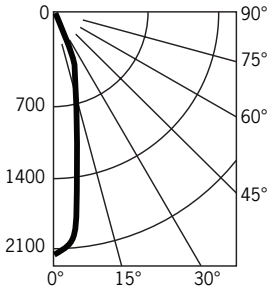
LR5510.5DDG-WFL-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 780
Total Watts@120V: 10.5
Lumens Per Watt: 74
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2141	
5	1953	49
15	904	263
25	309	203
35	102	100
45	53	52
55	33	35
65	25	27
75	23	25
85	15	20
95	0	0

Intensity Distribution

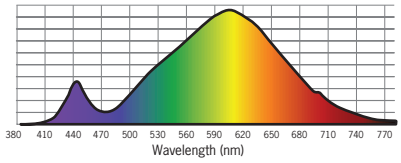
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	133.8	8.3
6'	59.5	12.4
8'	33.5	16.5
10'	21.4	20.7
12'	14.9	24.8
14'	10.9	29.0

Beam Distribution: 35°

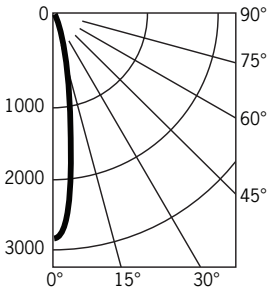
LR0215D-75H25D-E26-2700K-120V

Designed for 30,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 530
Total Watts@120V: 15
Lumens Per Watt: 35
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3206	
5	2560	69
15	497	228
25	94	80
35	55	38
45	50	33
55	46	40
65	16	33
75	4	7
85	2	5
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	200.0	7.0
6'	88.9	10.5
8'	50.0	14.1
10'	32.0	17.6
12'	22.2	21.1
14'	16.3	14.6

Beam Distribution: 25°

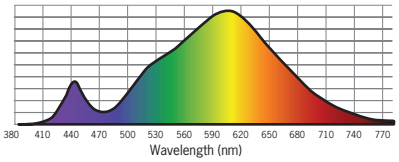
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

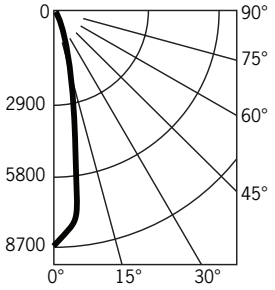
LR3218D-250H25D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 1491
Total Watts@120V: 18
Lumens Per Watt: 81
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8708	
5	7668	196
15	2146	872
25	240	333
35	30	55
45	12	15
55	9	8
65	5	6
75	2	4
85	1	2
95	0	

Intensity Distribution

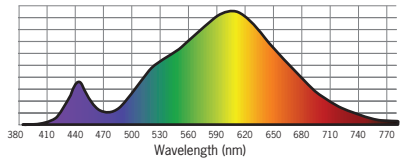
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	544.3	5.8
6'	241.9	8.7
8'	136.1	11.6
10'	87.1	14.5
12'	60.5	17.5
14'	44.4	20.4

Beam Distribution: 25°

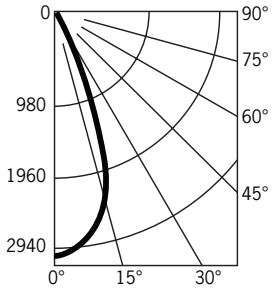
LR3218D-250H45D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 1436
Total Watts@120V: 18
Lumens Per Watt: 79
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2957	
5	2896	70
15	2305	495
25	668	522
35	160	170
45	100	90
55	51	58
65	8	22
75	3	6
85	1	2
95	0	

Intensity Distribution

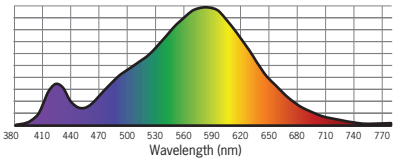
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	184.8	10.9
6'	82.1	16.3
8'	46.2	21.7
10'	29.6	27.2
12'	20.5	32.6
14'	15.1	38.0

Beam Distribution: 45°

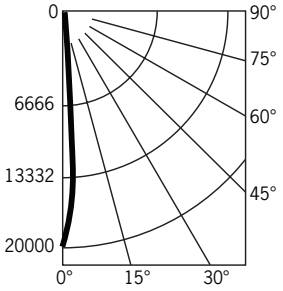
LR3615DHR-SP-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 1100
Total Watts@120V: 15
Lumens Per Watt: 73
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K Warm White
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	19539	
5	9219	328
15	698	383
25	174	138
35	66	54
45	49	40
55	36	33
65	15	51
75	6	10
85	3	5
95	2	1

Intensity Distribution

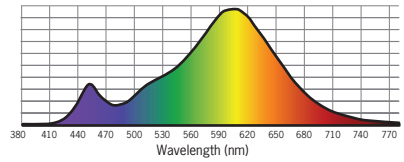
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	1221.2	0.7
6'	542.8	1.0
8'	305.3	1.4
10'	195.4	1.7
12'	135.7	2.1
14'	99.69	2.4

Beam Distribution: 10°

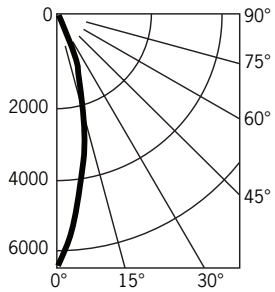
LR3620DHR-WFL-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 2100
Total Watts@120V: 20
Lumens Per Watt: 105
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K Warm White
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6601	
5	5977	150
15	3342	862
25	1192	791
35	299	370
45	90	113
55	89	72
65	29	48
75	11	20
85	7	10
95	6	4

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	412.6	2.5
6'	183.4	3.8
8'	103.1	5.0
10'	66.0	6.3
12'	45.8	7.6
14'	33.7	8.8

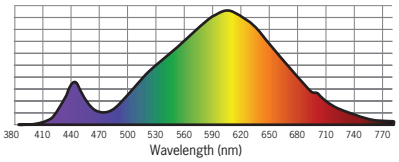
Beam Distribution: 35°

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

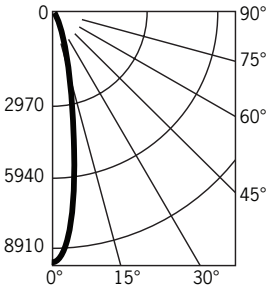
LR0925D-70M25D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 2000
Total Watts@120V: 25
Lumens Per Watt: 80
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8934	
5	7506	196
15	2495	844
25	522	447
35	188	143
45	153	125
55	162	134
65	50	108
75	4	16
85	1	2
95	0	

Intensity Distribution

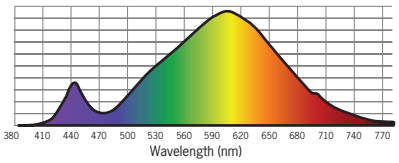
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	500.0	5.8
6'	222.2	8.7
8'	125.0	11.6
10'	80.0	14.5
12'	55.6	17.5
14'	40.8	20.4

Beam Distribution: 25°

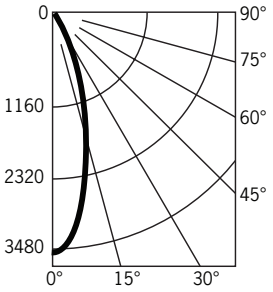
LR0925D-70M45D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 2000
Total Watts@120V: 25
Lumens Per Watt: 80
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3474	
5	3356	82
15	2395	543
25	948	606
35	307	268
45	208	190
55	192	168
65	63	130
75	8	24
85	1	4
95	0	

Intensity Distribution

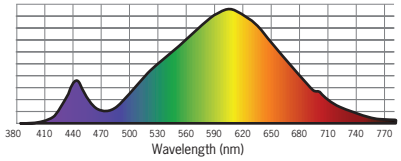
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	185.5	10.9
6'	83.3	16.3
8'	46.9	21.7
10'	30.0	27.2
12'	20.8	32.6
14'	15.3	38.0

Beam Distribution: 45°

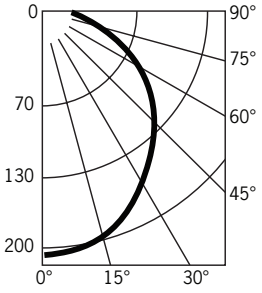
LR2809.5D-SWFL-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 600
Total Watts@120V: 9.5
Lumens Per Watt: 63
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	223	
5	222	5
15	213	26
25	196	42
35	171	52
45	140	55
55	105	49
65	72	39
75	47	28
85	29	18
95	0	

Intensity Distribution

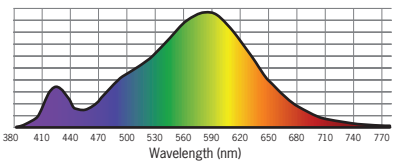
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	13.9	37.3
6'	6.2	56.0
8'	3.4	74.6
10'	2.2	93.3
12'	1.6	111.9
14'	1.1	130.6

Beam Distribution: 90°

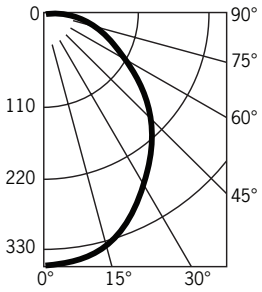
LR2515W-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 1000
Total Watts@120V: 15
Lumens Per Watt: 67
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K Warm White
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	394	
5	391	9
15	373	73
25	337	133
35	287	171
45	227	181
55	164	163
65	110	129
75	69	91
85	39	58
95	28	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	24.6	26.2
6'	10.9	39.4
8'	6.2	52.5
10'	3.9	65.6
12'	2.7	78.7
14'	2.0	91.8

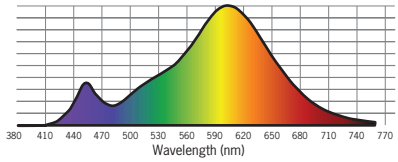
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

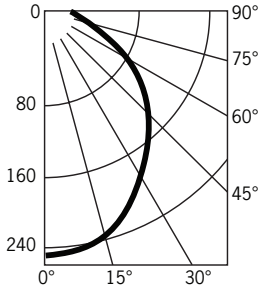
LR2510D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 629
Total Watts@120V: 10
Lumens Per Watt: 62
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	241	
5	239	6
15	229	45
25	208	82
35	177	105
45	139	111
55	101	100
65	67	79
75	42	55
85	24	35
95	0	

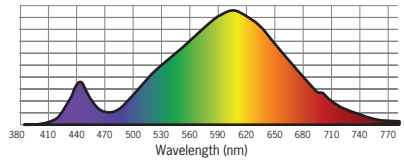
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	15.1	26.2
6'	6.7	39.4
8'	3.8	52.5
10'	2.4	65.6
12'	1.67	78.7
14'	1.23	91.8

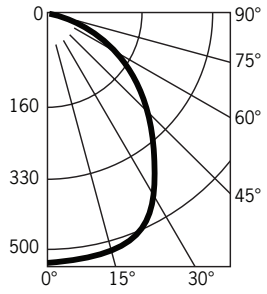
LR2718D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 1200
Total Watts@120V: 18
Lumens Per Watt: 67
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	513	
5	511	12
15	495	59
25	455	98
35	394	120
45	284	117
55	187	91
65	119	65
75	62	39
85	30	20
95	0	0

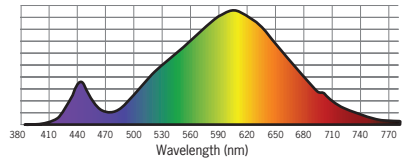
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	32.1	26.2
6'	14.3	39.4
8'	8.0	52.5
10'	5.1	65.6
12'	3.6	78.7
14'	2.6	91.8

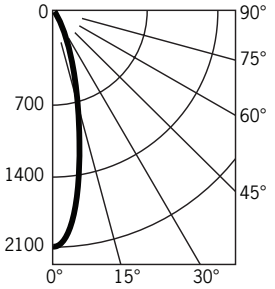
LR1411D-60H25D-E26-2700K-120V

Designed for 30,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 500
Total Watts@120V: 11
Lumens Per Watt: 45.5
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	1995	
5	1729	45
15	468	177
25	104	84
35	63	34
45	75	56
55	75	63
65	65	69
75	11	37
85	1	4
95	0	

Intensity Distribution

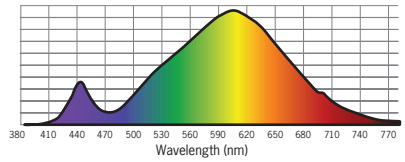
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	125.0	5.8
6'	55.6	8.7
8'	31.3	11.6
10'	20.0	14.5
12'	13.9	17.5
14'	10.2	20.4

Beam Distribution: 25°

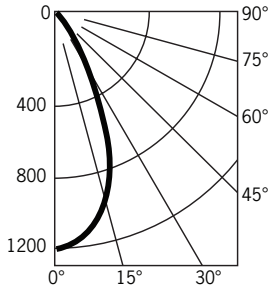
LR0308D-50H45D-E26-2700K-120V

Designed for 25,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 530
Total Watts@120V: 8
Lumens Per Watt: 62.25
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2218	
5	2137	53
15	1387	338
25	500	332
35	206	160
45	133	117
55	114	100
65	40	87
75	10	18
85	6	9
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	138.6	7.8
6'	61.6	11.7
8'	34.7	15.7
10'	22.2	19.6
12'	15.4	23.5
14'	11.3	27.4

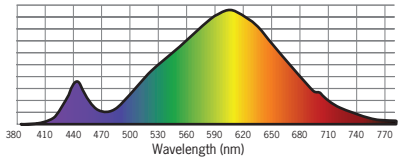
Beam Distribution: 45°

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

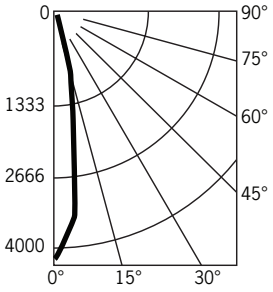
ER2712DV2-75H24D-G53-2700K-12V

Designed for 35,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 670
Total Watts@120V: 12
Lumens Per Watt: 56
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4660	
5	3662	99
15	883	387
25	113	123
35	9	45
45	8	6
55	5	5
65	4	4
75	2	3
85	1	1
95	1	

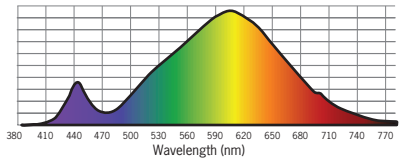
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	291.3	5.6
6'	129.4	8.4
8'	72.8	11.2
10'	46.6	13.9
12'	32.4	16.7
14'	23.8	19.5

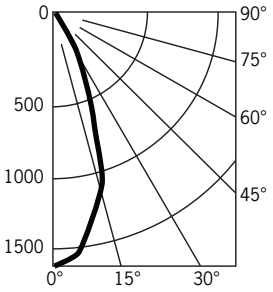
ER2912DV2-75H45D-G53-2700K-12V

Designed for 35,000 Hour Lamp Life[1]

Light Output (Fixture Delivered Lumens): 650
Total Watts@120V: 12
Lumens Per Watt: 54
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2700K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	1713	
5	1662	40
15	1161	257
25	352	260
35	20	89
45	9	20
55	5	6
65	9	5
75	2	7
85	0	2
95	0	1

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	107.1	10.9
6'	45.6	16.3
8'	26.8	21.7
10'	17.1	27.2
12'	11.9	32.6
14'	8.74	38.0

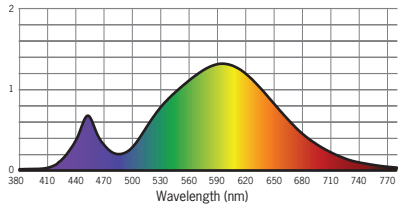
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

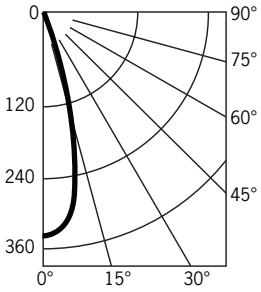
BL3JM

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 70984

Light Output (Fixture Delivered Lumens): 69.6
Total Watts@120V: 5; **Lumens Per Watt:** 15
Color Rendering Index (CRI)[2]: 76
Color Temperature (CCT)[3]: 3158K
Spectral Power Distribution Chart[4]
LM-79 Test No. 70988



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	339	
5	313	28
15	143	36
25	2	2
35	1	1
45	1	1
55	1	1
65	1	1
75	0	0
85	0	0
95	0	

Intensity Distribution

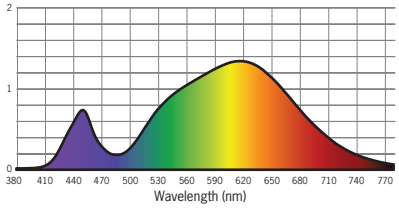
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
2'	84.8	1.0
3'	37.7	1.4
4'	21.2	1.9
5'	13.6	2.4
6'	9.4	2.9
7'	6.9	3.3

Beam Distribution: 28°

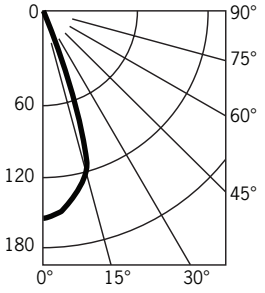
BL3SC

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 66255

Light Output (Fixture Delivered Lumens): 58
Total Watts@120V: 5; **Lumens Per Watt:** 11
Color Rendering Index (CRI)[2]: 84
Color Temperature (CCT)[3]: 2911K
Spectral Power Distribution Chart[4]
LM-79 Test No. 66263



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	157	
5	150	14
15	123	32
25	5	7
35	4	2
45	2	1
55	1	1
65	0	0
75	0	0
85	0	0
95	0	

Intensity Distribution

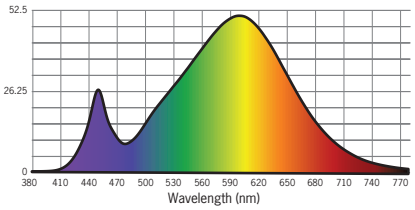
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
1'	156.7	0.7
2'	39.2	1.3
3'	17.4	2.0
4'	9.8	2.7
5'	6.3	3.3
6'	4.4	4.0

Beam Distribution: 38°

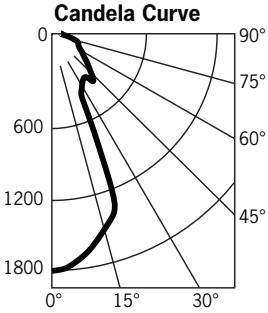
CGL84030KMVD2AFC

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 79682

Light Output (Fixture Delivered Lumens): 2638
Total Watts@120V: 35.5; **Lumens Per Watt:** 74.3
Color Rendering Index (CRI)[2]: 80
Color Temperature (CCT)[3]: 3094K
Spectral Power Distribution Chart[4]
LM-79 Test No. 79686



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	1791	
5	1753	164
15	1524	429
25	515	312
35	411	267
45	369	297
55	232	235
65	157	195
75	76	125
85	44	65
95	59	62

Intensity Distribution

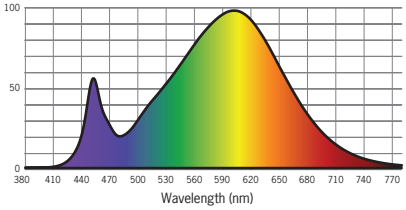
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	49.8	4.7
8'	28.0	6.3
10'	17.9	7.8
12'	12.4	9.4
14'	9.1	11.0
16'	7.0	12.5

Beam Distribution: 45°

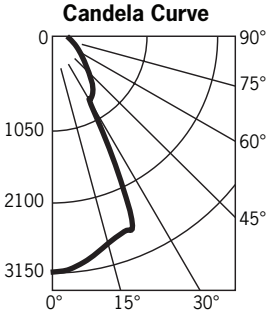
CGL129030KMV2WFC

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80908

Light Output (Fixture Lumens): 5171
Total Watts@120V: 59; **Lumens Per Watt:** 88
Color Rendering Index (CRI)[1]: 81
Color Temperature (CCT)[2]: 3085K
Spectral Power Distribution Chart[3]
LM-79 Test No. 75091



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3122	
5	3072	290
15	2827	800
25	1866	836
35	866	549
45	615	478
55	425	383
65	309	306
75	222	234
85	166	182
95	174	185

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	86.7	5.4
8'	48.8	7.3
10'	31.2	9.1
12'	21.7	10.9
14'	15.9	12.7
16'	12.2	14.5

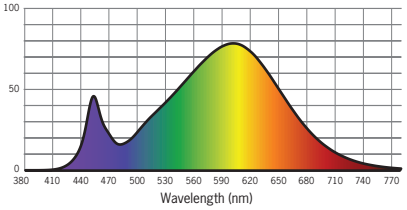
Beam Distribution: 52°
Spacing Criteria: 0.9

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

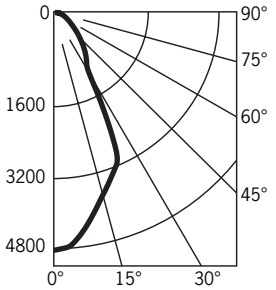
CGL129030KMVD2ALFC

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80909

Light Output (Fixture Delivered Lumens): 4195
Total Watts@120V: 58; **Lumens Per Watt:** 72
Color Rendering Index (CRI)[1]: 81
Color Temperature (CCT)[2]: 3109K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80911



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4771	
5	4560	421
15	3655	1038
25	12300	1032
35	1010	624
45	597	460
55	323	292
65	172	173
75	77	83
85	20	24
95	14	14

Intensity Distribution

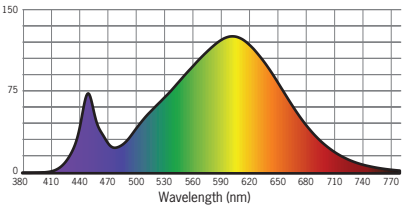
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	132.5	5.0
8'	74.5	6.7
10'	47.7	8.4
12'	33.1	10.1
14'	24.3	11.8
16'	18.6	13.5

Beam Distribution: 50°
Spacing Criteria: 0.8

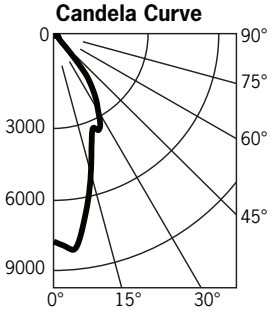
CGL129030KMVD2A12FC

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 79684

Light Output (Fixture Delivered Lumens): 6436
Total Watts@120V: 59.4
Lumens Per Watt: 108.4
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 3091K
Spectral Power Distribution Chart[4]
LM-79 Test No. 79688



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	7887	
5	8234	738
15	5429	1513
25	4037	1785
35	2550	1525
45	290	293
55	217	189
65	130	131
75	69	75
85	36	41
95	27	29

Intensity Distribution

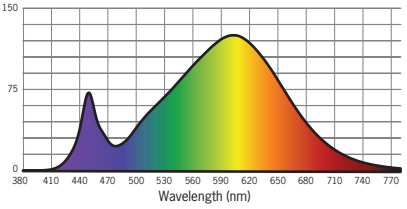
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	219.1	3.9
8'	123.2	5.3
10'	78.9	6.6
12'	54.8	7.9
14'	40.2	9.2
16'	30.8	10.5

Beam Distribution: 41°

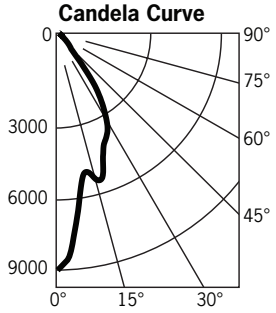
CGL129030KMVD2A162FC

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 79685

Light Output (Fixture Delivered Lumens): 6507
Total Watts@120V: 59.4
Lumens Per Watt: 109.5
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 3083K
Spectral Power Distribution Chart[4]
LM-79 Test No. 79689



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8950	
5	7459	647
15	5751	1557
25	4319	1970
35	2425	1395
45	548	419
55	219	200
65	124	125
75	52	58
85	21	23
95	18	19

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	248.6	4.1
8'	139.8	5.5
10'	89.5	6.8
12'	62.2	8.2
14'	45.7	9.6
16'	35.0	10.9

Beam Distribution: 46°

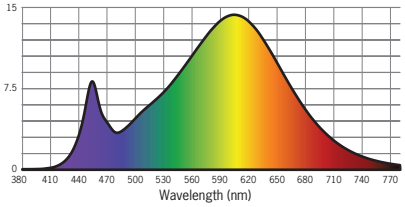
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

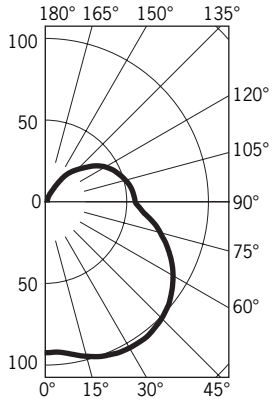
CRS8**30KW

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 81642

Light Output (Fixture Delivered Lumens): 732
Total Watts@120V: 7.35
Lumens Per Watt: 100
Color Rendering Index (CRI)[2]: 84
Color Temperature (CCT)[3]: 3013K
Spectral Power Distribution Chart[4]
LM-79 Test No. 81644



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	91	
5	91	9
15	96	27
25	99	46
35	100	63
45	97	76
55	91	82
65	81	81
75	69	73
85	57	62
95	53	56

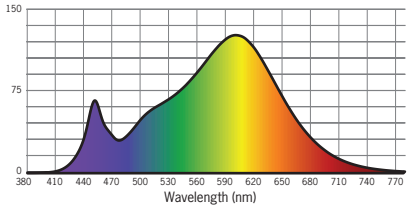
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	2.5	9.9
8'	1.4	13.2
10'	0.9	16.6
12'	0.6	19.9
14'	0.5	23.2
16'	0.4	26.5

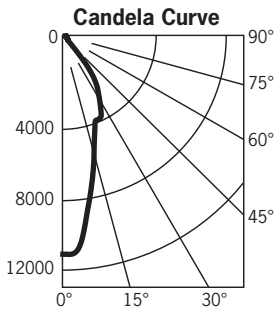
CPL630KRDEFC-P/ACL12-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85101

Light Output (Fixture Delivered Lumens): 7213
Total Watts@120V: 64.4
Lumens Per Watt: 112
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3190K
Spectral Power Distribution Chart[3]
LM-79 Test No. 85108



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	11094	
5	10518	910
15	6015	1692
25	4516	1993
35	2744	1577
45	356	313
55	268	228
65	148	149
75	82	88
85	49	54
95	41	43

Intensity Distribution

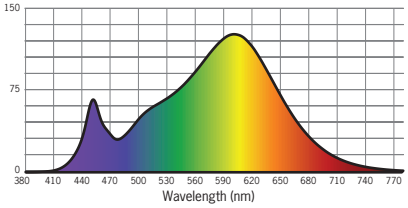
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	693.4	2.1
6'	308.2	3.1
8'	173.3	4.2
10'	110.9	5.2
12'	77.0	6.3
14'	56.6	7.3

Beam Distribution: 33°
Spacing Criteria: 0.52

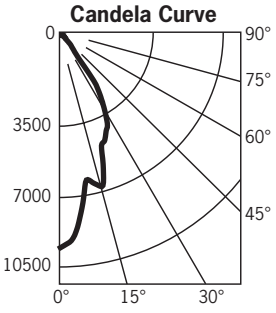
CPL630KRDEFC-P/ACL16-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85104

Light Output (Fixture Delivered Lumens): 7309
Total Watts@120V: 64.4
Lumens Per Watt: 113.5
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3190K
Spectral Power Distribution Chart[3]
LM-79 Test No. 85108



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	9508	
5	8620	754
15	7021	1827
25	4754	2167
35	2728	1474
45	627	463
55	270	235
65	155	151
75	64	71
85	31	34
95	23	26

Intensity Distribution

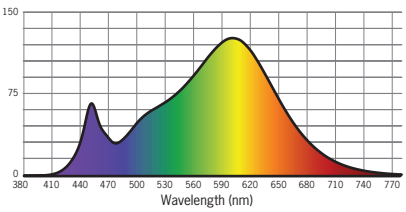
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	594.3	2.8
6'	264.1	4.2
8'	148.6	5.5
10'	95.1	6.9
12'	66.0	8.3
14'	48.5	9.7

Beam Distribution: 50°
Spacing Criteria: 0.69

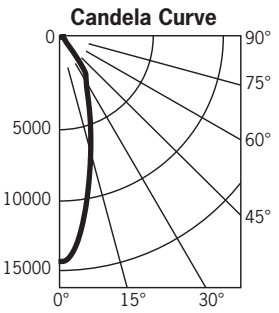
CPL630KRDEFC-P/ALS16

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85105

Light Output (Fixture Delivered Lumens): 6365
Total Watts@120V: 64.5
Lumens Per Watt: 98.7
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3190K
Spectral Power Distribution Chart[3]
LM-79 Test No. 85108



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	14381	
5	12878	1127
15	7193	2003
25	3862	1816
35	1899	1068
45	262	209
55	98	91
65	35	36
75	11	12
85	2	2
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	898.8	1.9
6'	399.5	2.9
8'	224.7	3.9
10'	143.8	4.9
12'	99.9	5.8
14'	73.4	6.8

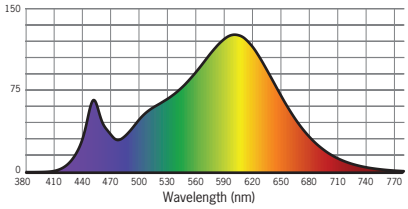
Beam Distribution: 30°
Spacing Criteria: 0.49

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

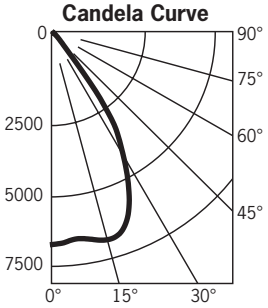
CPL630KRDEFC-P/CRM12

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85103

Light Output (Fixture Delivered Lumens): 6819
Total Watts@120V: 64.5
Lumens Per Watt: 105.7
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3190K
Spectral Power Distribution Chart[3]
LM-79 Test No. 85108



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6785	
5	6670	638
15	6851	1919
25	5632	2542
35	2583	1469
45	208	182
55	46	46
65	15	16
75	5	6
85	1	1
95	0	

Intensity Distribution

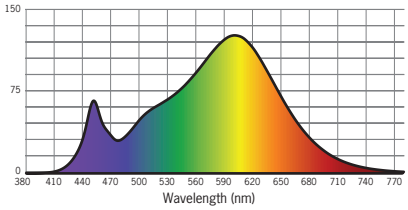
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	424.1	4.2
6'	188.5	6.3
8'	106.0	8.4
10'	67.9	10.5
12'	47.1	12.7
14'	34.6	14.8

Beam Distribution: 66°
Spacing Criteria: 0.96

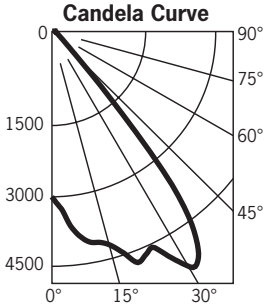
CPL630KRDEFC-P/CRW12

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85102

Light Output (Fixture Delivered Lumens): 6816
Total Watts@120V: 64.5
Lumens Per Watt: 105.7
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3190K
Spectral Power Distribution Chart[3]
LM-79 Test No. 85108



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3191	
5	3717	365
15	4218	1223
25	4543	2197
35	4645	2611
45	254	336
55	55	52
65	19	20
75	9	9
85	2	3
95	0	

Intensity Distribution

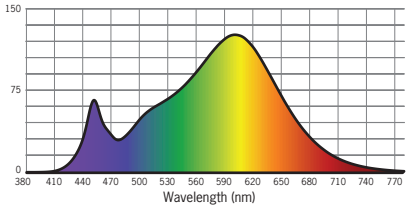
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	199.4	6.3
6'	88.6	9.4
8'	49.9	12.5
10'	31.9	15.7
12'	22.2	18.8
14'	16.3	21.9

Beam Distribution: 79°
Spacing Criteria: 1.18

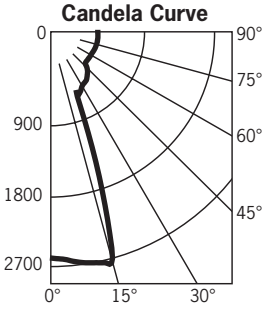
CPL630KRDEFC-P/CYDG-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85107

Light Output (Fixture Delivered Lumens): 6691
Total Watts@120V: 64.5
Lumens Per Watt: 103.7
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3190K
Spectral Power Distribution Chart[3]
LM-79 Test No. 85108



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2596	
5	2641	254
15	2567	598
25	748	349
35	667	413
45	524	419
55	508	456
65	511	507
75	515	544
85	511	557
95	507	552

Intensity Distribution

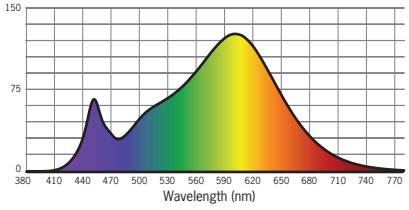
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	162.3	2.6
6'	72.1	3.9
8'	40.6	5.3
10'	26.0	6.6
12'	18.0	7.9
14'	13.2	9.2

Beam Distribution: 37°
Spacing Criteria: 0.57

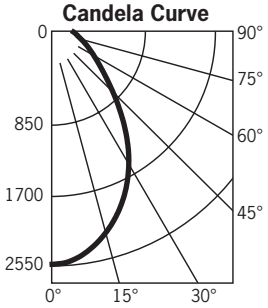
CPL630KRDEFC-P/WHG12-P/DECO-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85100

Light Output (Fixture Delivered Lumens): 6462
Total Watts@120V: 64.3
Lumens Per Watt: 100.5
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3190K
Spectral Power Distribution Chart[3]
LM-79 Test No. 85108



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2529	
5	2492	235
15	2244	630
25	1858	851
35	1364	851
45	889	692
55	592	534
65	423	421
75	309	329
85	241	263
95	246	265

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	158.1	4.0
6'	70.3	6.1
8'	39.5	8.1
10'	25.3	10.1
12'	17.6	12.1
14'	12.9	14.1

Beam Distribution: 74°
Spacing Criteria: 1.01

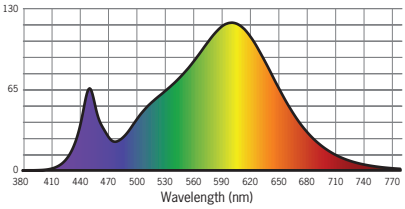
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

CTL184V3D, CTL184H3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 84706

Light Output (Fixture Delivered Lumens): 5951
Total Watts@120V: 56.3
Lumens Per Watt: 105.7
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3120K
Spectral Power Distribution Chart[3]
LM-79 Test No. 84707



Footcandles on Wall

Track 3 Feet From Wall, 10' Mounting Height, Tilted 40 Degrees

		Single Unit						Multiple Units								
		0'	1'	2'	3'	4'	5'	4' On Center			6' On Center			8' On Center		
		▼						▼		▼			▼	▼		▼
Distance From Ceiling	1'	150	131	95	58	30	11	202	198	203	154	113	154	152	58	147
	2'	159	140	104	67	36	15	230	222	231	169	134	168	162	74	158
	3'	150	134	104	73	46	24	240	229	240	169	147	168	154	91	151
	4'	100	92	75	56	39	24	183	178	182	127	115	127	106	79	105
	5'	62	59	51	40	30	20	129	128	129	90	83	90	71	60	71
	6'	38	37	33	28	22	16	92	92	92	64	61	64	50	44	50
	7'	24	24	22	19	16	12	68	68	68	47	46	47	37	33	37
	8'	16	16	15	14	12	10	51	52	51	35	36	35	28	26	28
	9'	12	11	11	10	9	8	39	40	40	28	28	28	22	21	22

▼ is the beam center

Track 4 Feet From Wall, 10' Mounting Height, Tilted 40 Degrees

		Single Unit						Multiple Units								
		0'	1'	2'	3'	4'	5'	4' On Center			6' On Center			8' On Center		
		▼						▼		▼			▼	▼		▼
Distance From Ceiling	1'	81	74	61	44	28	16	136	134	136	94	89	94	84	56	83
	2'	95	87	71	53	35	21	168	165	169	116	109	116	100	72	99
	3'	105	97	81	62	44	29	199	196	199	137	127	137	112	90	112
	4'	86	80	68	54	41	29	178	178	178	124	114	124	97	83	97
	5'	63	60	53	44	34	26	146	146	145	101	94	101	78	70	78
	6'	44	43	39	33	27	21	114	114	113	78	75	78	61	55	61
	7'	31	30	28	24	20	17	87	88	87	60	59	60	48	43	47
	8'	22	21	20	18	15	13	68	69	68	47	48	47	37	35	37
	9'	15	15	14	13	12	10	55	56	55	39	39	39	30	29	30

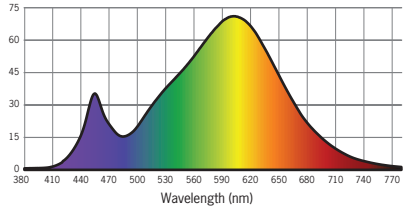
▼ is the beam center

*All multiple layouts are based on five fixtures aimed at 40 degrees from nadir.

CTL171FM3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 72687

Light Output (Fixture Delivered Lumens): 3531
Total Watts@120V: 56
Lumens Per Watt: 63
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3050K
Spectral Power Distribution Chart[3]
LM-79 Test No. 72688



Footcandles on Wall

Track 3 Feet From Wall, 10' Mounting Height, Tilted 40 Degrees

		Single Unit						Multiple Units								
		0'	1'	2'	3'	4'	5'	4' On Center			5' On Center			6' On Center		
		▼						▼		▼	▼		▼	▼		▼
Distance From Ceiling	1'	95	75	42	20	10	5	110	76	110	101	51	100	92	48	92
	2'	118	101	65	34	18	9	169	144	168	152	99	151	147	78	146
	3'	107	94	65	40	23	13	171	154	169	148	114	148	115	83	115
	4'	67	61	47	32	21	12	122	117	119	102	90	101	69	57	68
	5'	37	34	28	21	14	10	73	73	71	60	58	59	41	38	40
	6'	21	20	17	14	10	7	46	46	44	38	38	37	26	26	25
	7'	12	12	11	9	7	5	31	30	29	25	25	25	18	18	17
	8'	8	8	7	6	5	4	21	21	20	18	18	17	13	13	13
	9'	5	5	5	4	4	3	15	15	15	13	13	13	10	10	9

▼ is the beam center

Track 4 Feet From Wall, 10' Mounting Height, Tilted 40 Degrees

		Single Unit						Multiple Units								
		0'	1'	2'	3'	4'	5'	4' On Center			5' On Center			6' On Center		
		▼						▼		▼	▼		▼	▼		▼
Distance From Ceiling	1'	39	35	25	15	9	6	48	49	47	41	35	40	36	27	36
	2'	63	57	42	27	16	9	102	96	100	87	74	86	79	56	78
	3'	67	62	49	33	21	13	120	119	118	100	92	99	90	71	89
	4'	60	56	45	33	23	15	120	117	117	99	92	98	87	74	86
	5'	44	41	35	28	20	14	97	96	94	80	78	78	68	64	67
	6'	28	27	24	19	15	11	67	67	64	55	55	54	47	45	47
	7'	18	17	16	13	11	8	47	46	44	38	38	37	33	33	32
	8'	12	11	10	9	8	6	33	33	31	27	27	26	23	23	23
	9'	8	8	7	7	6	5	24	24	23	20	20	19	17	17	17

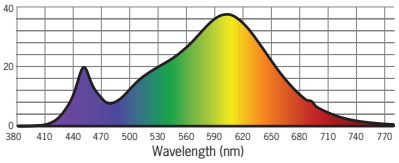
▼ is the beam center

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

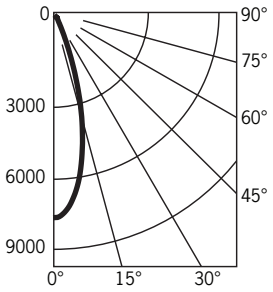
CTL8063VM3D, CTL8063HM3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86371

Light Output (Fixture Delivered Lumens): 1852
Total Watts@120V: 20.3; **Lumens Per Watt:** 91.2
Center Beam Candle Power: 7634
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3106K
Spectral Power Distribution Chart[4]
LM-79 Test No. 86374



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	7634	
5	7003	621
15	3524	931
25	366	235
35	68	46
45	15	12
55	4	4
65	2	2
75	1	1
85	0	0
95	0	

Intensity Distribution

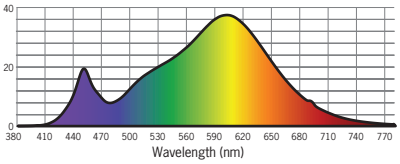
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	477.1	1.9
6'	212.1	2.9
8	119.3	3.8
10'	76.3	4.8
12'	53.0	5.7
14'	38.9	6.7

Beam Distribution: 29°
Spacing Criterion: 0.46

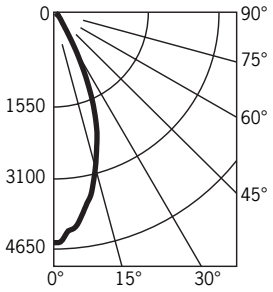
CTL8063VF3D, CTL8063HF3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86372

Light Output (Fixture Delivered Lumens): 1897
Total Watts@120V: 20.3; **Lumens Per Watt:** 93.4
Center Beam Candle Power: 4501
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3114K
Spectral Power Distribution Chart[4]
LM-79 Test No. 86375



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4501	
5	4209	383
15	2951	817
25	1260	561
35	140	100
45	28	25
55	5	6
65	3	3
75	2	3
85	1	1
95	0	

Intensity Distribution

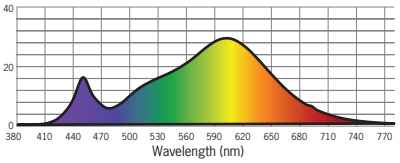
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	281.3	2.5
6'	125.0	3.8
8'	70.3	5.1
10'	45.0	6.3
12'	31.3	7.6
14'	23.0	8.8

Beam Distribution: 39°
Spacing Criterion: 0.63

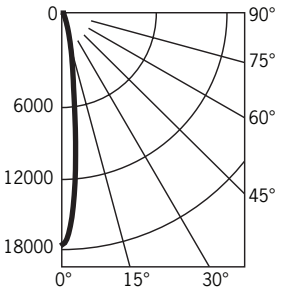
CTL8063VS3D, CTL8063HS3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86370

Light Output (Fixture Delivered Lumens): 1509
Total Watts@120V: 20.0; **Lumens Per Watt:** 75.5
Center Beam Candle Power: 17472
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3131K
Spectral Power Distribution Chart[4]
LM-79 Test No. 86373



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	17472	
5	10835	788
15	1738	501
25	232	123
35	43	30
45	27	21
55	20	18
65	16	15
75	8	9
85	4	4
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	1092.0	0.8
6'	485.3	1.3
8'	273.0	1.7
10'	174.7	2.1
12'	121.3	2.5
14'	89.1	2.9

Beam Distribution: 12°
Spacing Criterion: 0.21

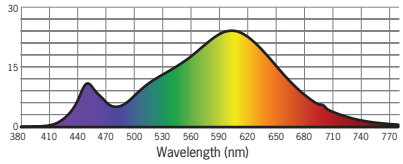
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

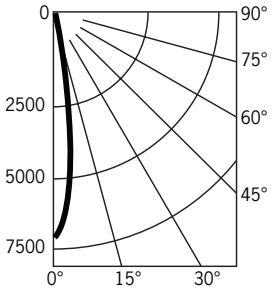
CTL8071M3D, LIR8071M3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82605

Light Output (Fixture Delivered Lumens): 1149
Total Watts@120V: 13.6; **Lumens Per Watt:** 84.5
Center Beam Candle Power: 6893
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3063K
Spectral Power Distribution Chart[4]
LM-79 Test No. 82610



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6893	
5	5482	445
15	1417	408
25	306	150
35	105	69
45	44	35
55	26	24
65	13	13
75	5	5
85	1	1
95	0	

Intensity Distribution

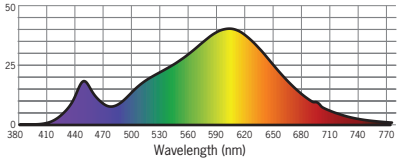
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	191.5	1.9
8'	107.7	2.5
10'	68.9	3.2
12'	47.9	3.8
14'	35.2	4.4
16'	26.9	5.1

Beam Distribution: 19°

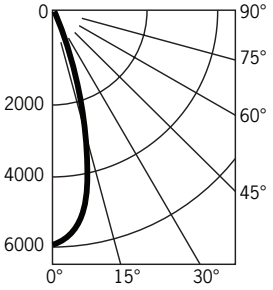
CTL8072M3D, LIR8072M3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82607

Light Output (Fixture Delivered Lumens): 2103
Total Watts@120V: 23.8; **Lumens Per Watt:** 88.4
Center Beam Candle Power: 5985
Color Rendering Index (CRI)[2]: 84
Color Temperature (CCT)[3]: 3044K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 82612



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	5985	
5	5634	496
15	2871	784
25	812	401
35	299	192
45	135	107
55	69	63
65	40	40
75	17	18
85	1	2
95	0	

Intensity Distribution

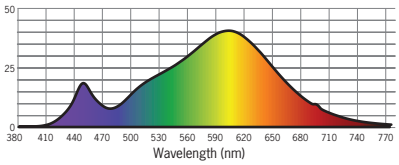
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	166.3	2.9
8'	93.5	3.9
10'	59.9	4.9
12'	41.6	5.8
14'	30.5	6.8
16'	23.4	7.8

Beam Distribution: 29°

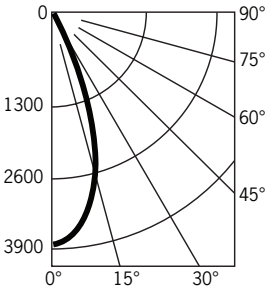
CTL8072F3D, LIR8072F3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82608

Light Output (Fixture Delivered Lumens): 2149
Total Watts@120V: 24.0; **Lumens Per Watt:** 89.5
Center Beam Candle Power: 3852
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 2983K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 82613



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3852	
5	3696	340
15	2665	727
25	1223	564
35	387	257
45	153	122
55	78	71
65	45	44
75	20	21
85	1	3
95	0	

Intensity Distribution

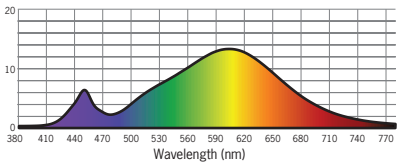
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	107.0	3.9
8'	60.2	5.2
10'	38.5	6.4
12'	26.8	7.7
14'	19.7	9.0
16'	15.0	10.3

Beam Distribution: 40°

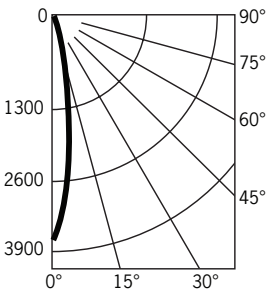
CTL8081HS3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82863

Light Output (Fixture Delivered Lumens): 669
Total Watts@120V: 10.2; **Lumens Per Watt:** 65.6
Center Beam Candle Power: 3803
Color Rendering Index (CRI)[2]: 81
Color Temperature (CCT)[3]: 2997K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 82866



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3803	
5	2492	204
15	871	240
25	251	122
35	92	59
45	30	24
55	13	12
65	6	6
75	2	2
85	0	0
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	105.6	1.5
8'	59.4	2.0
10'	38.0	2.5
12'	26.4	3.0
14'	19.4	3.4
16'	14.9	3.9

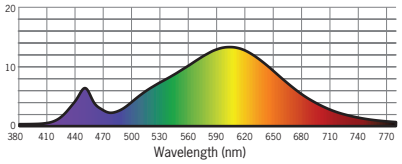
Beam Distribution: 15°

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

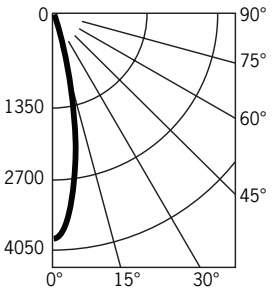
CTL8081HM3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82864

Light Output (Fixture Delivered Lumens): 720
Total Watts@120V: 10.2; **Lumens Per Watt:** 70.6
Center Beam Candle Power: 3917
Color Rendering Index (CRI)[2]: 81
Color Temperature (CCT)[3]: 2997K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 82866



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3917	
5	3529	290
15	861	256
25	174	89
35	76	47
45	25	21
55	11	10
65	4	4
75	1	1
85	0	0
95	0	

Intensity Distribution

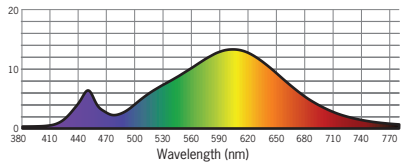
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	108.8	2.2
8'	61.2	2.9
10'	39.2	3.6
12'	27.2	4.3
14'	20.0	5.0
16'	15.3	5.7

Beam Distribution: 21°

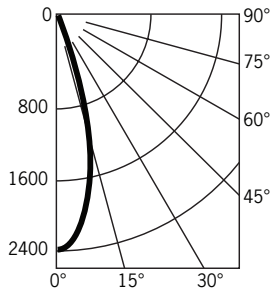
CTL8081HF3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82865

Light Output (Fixture Delivered Lumens): 725
Total Watts@120V: 10.2; **Lumens Per Watt:** 71.1
Center Beam Candle Power: 2387
Color Rendering Index (CRI)[2]: 81
Color Temperature (CCT)[3]: 2997K Warm White
Spectral Power Distribution Chart[4]
LM-79 Test No. 82866



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2387	
5	2307	207
15	1146	307
25	237	117
35	77	51
45	29	25
55	12	11
65	4	5
75	1	2
85	0	0
95	0	

Intensity Distribution

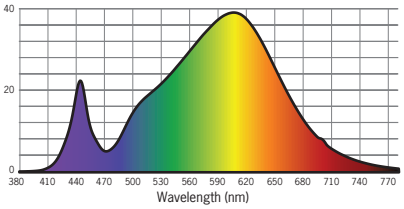
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	66.3	3.0
8'	37.3	4.0
10'	23.9	5.0
12'	16.6	6.0
14'	12.2	7.0
16'	9.3	8.0

Beam Distribution: 30°

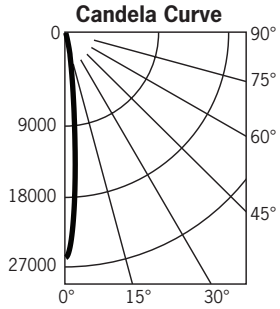
CTL8251VS3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82688

Light Output (Fixture Delivered Lumens): 1959
Total Watts@120V: 19
Lumens Per Watt: 103
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3104K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	25744	
5	14799	1065
15	1519	487
25	753	332
35	12	49
45	8	6
55	6	5
65	7	7
75	5	6
85	3	3
95	0	

Intensity Distribution

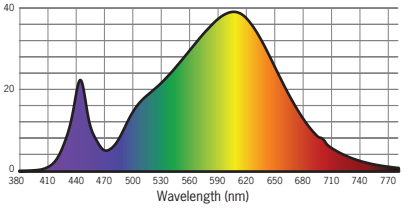
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	715.1	1.2
8'	402.3	1.6
10'	257.4	2.0
12'	178.8	2.4
14'	131.3	2.8
16'	100.6	3.1

Beam Distribution: 11°
Spacing Criteria: 0.20

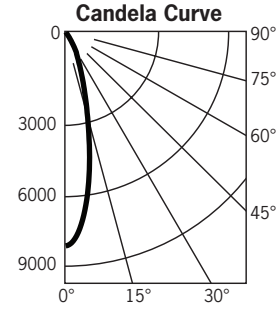
CTL8251VM3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82689

Light Output (Fixture Delivered Lumens): 2025
Total Watts@120V: 19
Lumens Per Watt: 107
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3104K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8187	
5	7223	620
15	3038	848
25	1006	471
35	13	56
45	8	6
55	7	6
65	7	7
75	6	6
85	3	3
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	227.4	2.5
8'	127.9	3.3
10'	81.9	4.1
12'	56.9	4.9
14'	41.8	5.8
16'	32.0	6.6

Beam Distribution: 25°
Spacing Criteria: 0.41

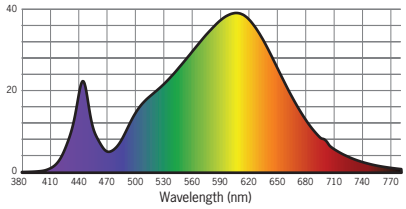
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

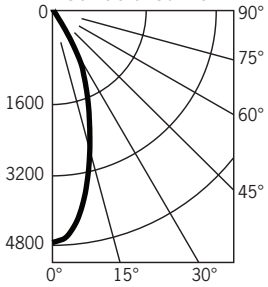
CTL8251VF3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82690

Light Output (Fixture Delivered Lumens): 2031
Total Watts@120V: 19
Lumens Per Watt: 107
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3104K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4724	
5	4480	405
15	2875	797
25	1474	664
35	123	134
45	10	9
55	7	6
65	6	6
75	5	6
85	3	3
95	0	

Intensity Distribution

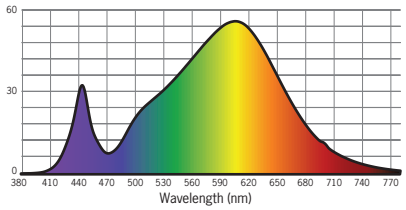
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	131.2	3.5
8'	73.8	4.7
10'	47.2	5.8
12'	32.8	7.0
14'	24.1	8.2
16'	18.5	9.3

Beam Distribution: 36°
Spacing Criteria: 0.58

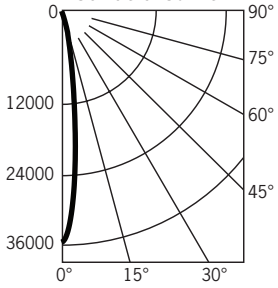
CTL8252VS3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82691

Light Output (Fixture Delivered Lumens): 2714
Total Watts@120V: 27.3
Lumens Per Watt: 99.4
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3090K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	35717	
5	20593	1479
15	2092	670
25	1040	459
35	17	68
45	11	9
55	8	7
65	10	10
75	7	8
85	4	4
95	0	

Intensity Distribution

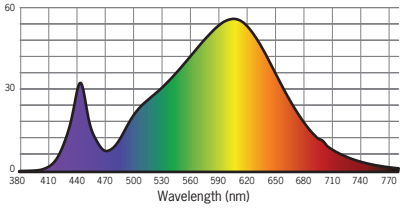
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	992.1	1.2
8'	558.1	1.6
10'	357.2	2.0
12'	248.0	2.4
14'	182.2	2.8
16'	139.5	3.1

Beam Distribution: 11°
Spacing Criteria: 0.20

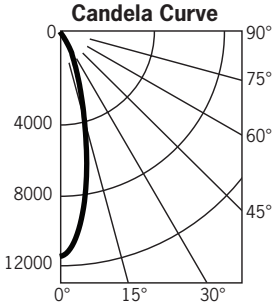
CTL8252VM3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82692

Light Output (Fixture Delivered Lumens): 2816
Total Watts@120V: 27.3
Lumens Per Watt: 103.2
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3090K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	11345	
5	10005	861
15	4220	1180
25	1408	658
35	17	76
45	11	9
55	10	9
65	10	10
75	8	9
85	4	4
95	0	

Intensity Distribution

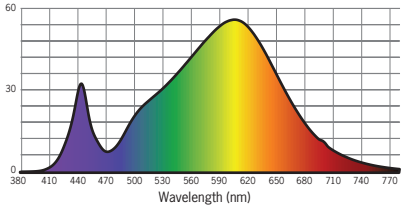
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	315.1	2.5
8'	177.3	3.3
10'	113.5	4.1
12'	78.8	5.0
14'	57.9	5.8
16'	44.3	6.6

Beam Distribution: 25°
Spacing Criteria: 0.41

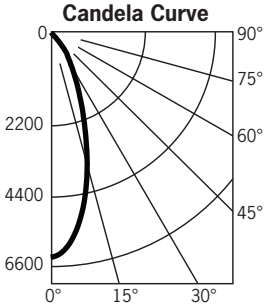
CTL8252VF3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82693

Light Output (Fixture Delivered Lumens): 2818
Total Watts@120V: 27.3
Lumens Per Watt: 103.2
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3090K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6532	
5	6188	559
15	3965	1100
25	2050	919
35	180	193
45	14	14
55	11	10
65	10	10
75	8	9
85	4	4
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	181.4	3.5
8'	102.1	4.7
10'	65.3	5.8
12'	45.4	7.0
14'	33.3	8.1
16'	25.5	9.3

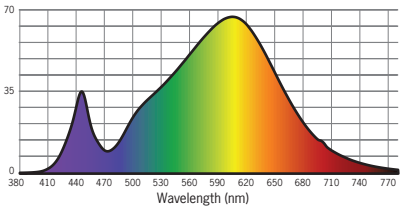
Beam Distribution: 36°
Spacing Criteria: 0.58

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

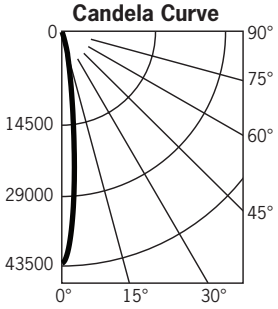
CTL8253VS3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 83074

Light Output (Fixture Delivered Lumens): 3355
Total Watts@120V: 36.6
Lumens Per Watt: 91.7
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3099K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	43206	
5	25323	1819
15	2607	841
25	1273	563
35	21	86
45	13	10
55	10	9
65	12	12
75	8	9
85	5	5
95	0	

Intensity Distribution

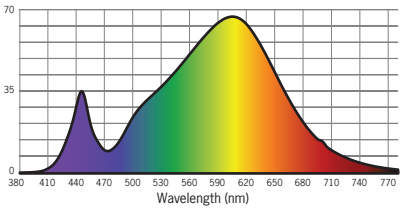
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	1200.2	1.2
8'	675.1	1.6
10'	432.1	2.0
12'	300.0	2.4
14'	220.4	2.8
16'	168.8	3.2

Beam Distribution: 12°
Spacing Criteria: 0.20

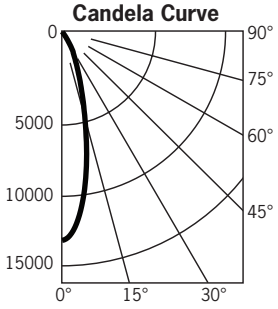
CTL8253VM3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 83075

Light Output (Fixture Delivered Lumens): 3466
Total Watts@120V: 36.5
Lumens Per Watt: 95
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3099K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	13843	
5	12253	1054
15	5201	1450
25	1728	811
35	22	100
45	14	11
55	12	11
65	12	12
75	10	10
85	5	5
95	0	

Intensity Distribution

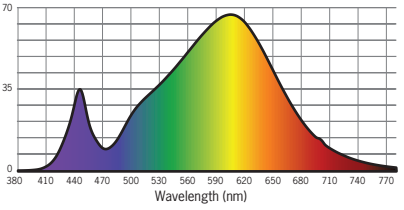
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	384.5	2.5
8'	216.3	3.3
10'	138.4	4.1
12'	96.1	5.0
14'	70.6	5.8
16'	54.1	6.6

Beam Distribution: 25°
Spacing Criteria: 0.41

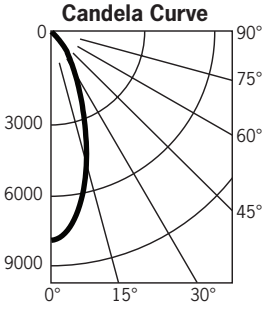
CTL8253VF3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 83076

Light Output (Fixture Delivered Lumens): 3483
Total Watts@120V: 36.6
Lumens Per Watt: 95.2
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3099K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8098	
5	7701	695
15	4923	1364
25	2512	1132
35	215	234
45	18	17
55	13	12
65	12	12
75	11	11
85	5	6
95	0	

Intensity Distribution

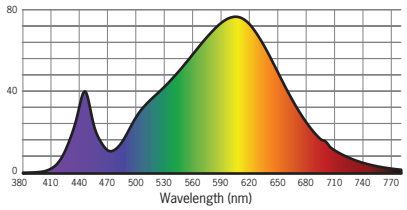
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	224.9	3.5
8'	126.5	4.7
10'	81.0	5.8
12'	56.2	7.0
14'	41.3	8.1
16'	31.6	9.3

Beam Distribution: 36°
Spacing Criteria: 0.58

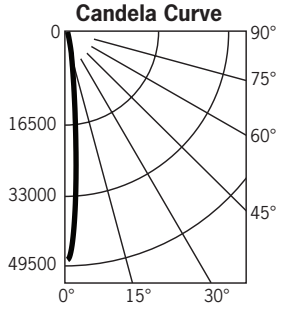
CTL8254VS3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82694

Light Output (Fixture Delivered Lumens): 3647
Total Watts@120V: 42.8
Lumens Per Watt: 85.2
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3048K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	48307	
5	27611	1982
15	2808	901
25	1411	621
35	23	91
45	14	11
55	11	10
65	14	13
75	10	11
85	5	6
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	1341.9	1.2
8'	754.8	1.6
10'	483.1	2.0
12'	335.5	2.3
14'	246.5	2.7
16'	188.7	3.1

Beam Distribution: 11°
Spacing Criteria: 0.20

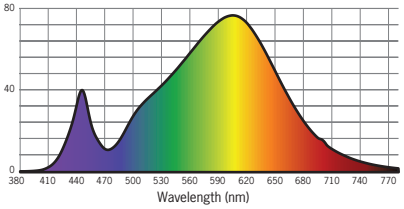
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

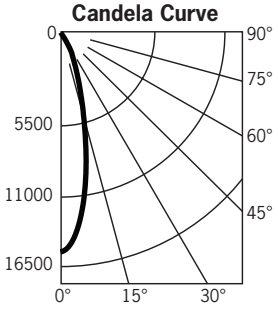
CTL8254VM3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82695

Light Output (Fixture Delivered Lumens): 3793
Total Watts@120V: 42.7
Lumens Per Watt: 88.8
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3048K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	15299	
5	13454	1157
15	5699	1591
25	1892	886
35	23	104
45	15	12
55	14	13
65	13	13
75	11	12
85	5	6
95	0	

Intensity Distribution

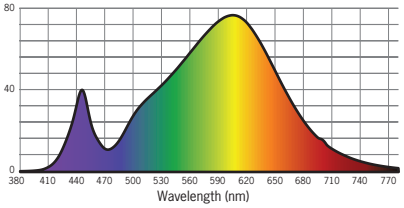
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	425.0	2.5
8'	239.0	3.3
10'	153.0	4.1
12'	106.2	5.0
14'	78.1	5.8
16'	59.8	6.6

Beam Distribution: 25°
Spacing Criteria: 0.41

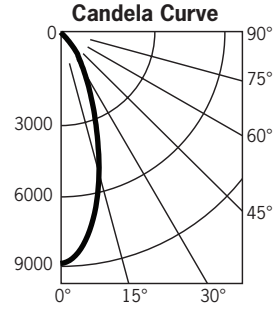
CTL8254VF3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 82696

Light Output (Fixture Delivered Lumens): 3802
Total Watts@120V: 42.8
Lumens Per Watt: 88.9
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3048K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8872	
5	8408	759
15	5375	1490
25	2763	1238
35	233	251
45	19	18
55	15	13
65	14	14
75	12	13
85	6	6
95	0	

Intensity Distribution

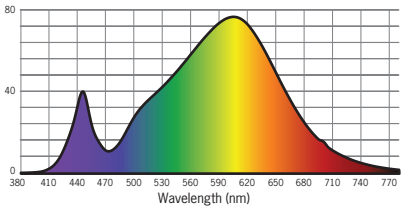
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	246.4	3.5
8'	138.6	4.6
10'	88.7	5.8
12'	61.6	7.0
14'	45.3	8.1
16'	34.7	9.3

Beam Distribution: 36°
Spacing Criteria: 0.58

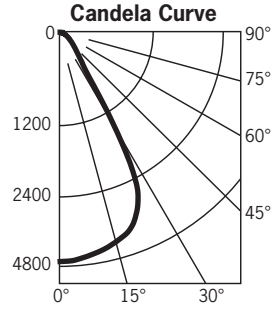
CTL8254VW3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 85568

Light Output (Fixture Delivered Lumens): 3338
Total Watts@120V: 42.0
Lumens Per Watt: 79.5
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3048K Neutral White
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3522	
5	3488	331
15	3314	934
25	2757	1170
35	574	413
45	279	219
55	155	140
65	82	82
75	33	36
85	14	13
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	220.1	4.0
6'	97.8	6.0
8'	55.0	8.0
10'	35.2	10.0
12'	24.5	12.0
14'	18.0	14.0

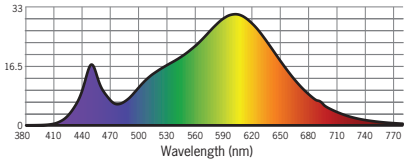
Beam Distribution: 58°
Spacing Criteria: 0.82

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

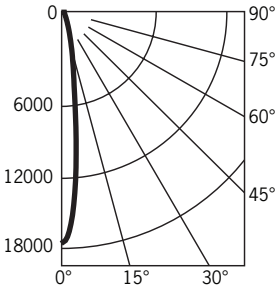
CTL84C3S3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86370

Light Output (Fixture Delivered Lumens): 1509
Total Watts@120V: 20; **Lumens Per Watt:** 75.5
Center Beam Candle Power: 17472
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3131K
Spectral Power Distribution Chart[4]
LM-79 Test No. 86373



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	17472	
5	10835	788
15	1738	501
25	232	123
35	43	30
45	27	21
55	20	18
65	16	15
75	8	9
85	4	4
95	0	

Intensity Distribution

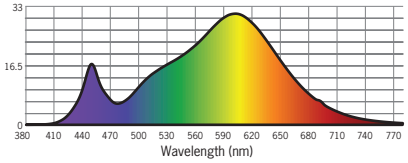
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	1092.0	0.8
6'	485.3	1.3
8'	273.0	1.7
10'	174.7	2.1
12'	121.3	2.5
14'	89.1	2.9

Beam Distribution: 12°
Spacing Criterion: 0.21

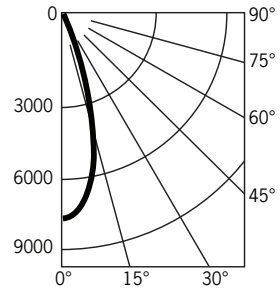
CTL84C3M3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86371

Light Output (Fixture Delivered Lumens): 1852
Total Watts@120V: 20.3; **Lumens Per Watt:** 91.2
Center Beam Candle Power: 7634
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3131K
Spectral Power Distribution Chart[4]
LM-79 Test No. 86373



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	7634	
5	7003	621
15	3524	931
25	366	235
35	68	46
45	15	12
55	4	4
65	2	2
75	1	1
85	0	0
95	0	

Intensity Distribution

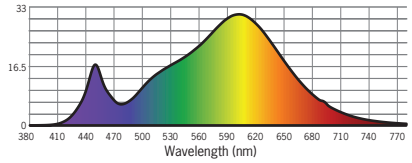
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	477.1	1.9
6'	212.1	2.9
8	119.3	3.8
10'	76.3	4.8
12'	53.0	5.7
14'	38.9	6.7

Beam Distribution: 29°
Spacing Criterion: 0.46

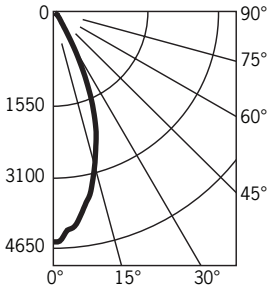
CTL84C3F3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86372

Light Output (Fixture Delivered Lumens): 1897
Total Watts@120V: 20.3; **Lumens Per Watt:** 93.4
Center Beam Candle Power: 4501
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3131K
Spectral Power Distribution Chart[4]
LM-79 Test No. 86373



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4501	
5	4209	383
15	2951	817
25	1260	561
35	140	100
45	28	25
55	5	6
65	3	3
75	2	3
85	1	1
95	0	

Intensity Distribution

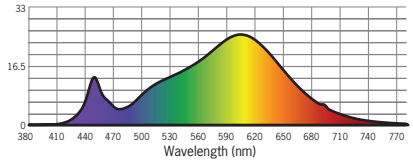
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	281.3	2.5
6'	125.0	3.8
8'	70.3	5.1
10'	45.0	6.3
12'	31.3	7.6
14'	23.0	8.8

Beam Distribution: 40°
Spacing Criterion: 0.63

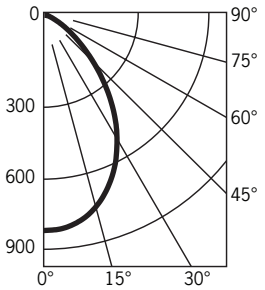
CTL84C2WW3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87712

Light Output (Fixture Delivered Lumens): 1146
Total Watts@120V: 13.2; **Lumens Per Watt:** 86.8
Center Beam Candle Power: 826
Color Rendering Index (CRI)[2]: 84
Color Temperature (CCT)[3]: 3038K
Spectral Power Distribution Chart[4]
LM-79 Test No. 87712



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	826	
5	824	77
15	768	211
25	652	280
35	503	261
45	350	176
55	211	85
65	110	37
75	46	13
85	12	4
95	4	1

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	51.6	4.0
6'	22.9	6.1
8'	12.9	8.1
10'	8.3	10.1
12'	5.7	12.1
14'	4.2	14.1

Beam Distribution: 72°
Spacing Criterion: 1.01

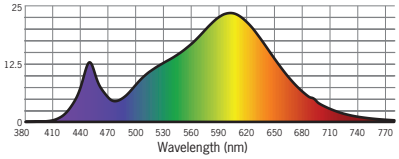
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

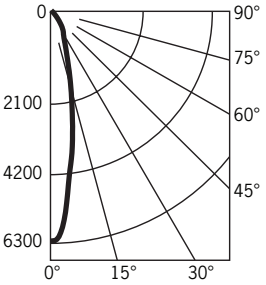
CTL84X2S3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86945

Light Output (Fixture Delivered Lumens): 1343
Total Watts@120V: 16.4; **Lumens Per Watt:** 81.9
Center Beam Candle Power: 6188
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2931K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6188	
5	4686	396
15	1653	467
25	658	311
35	250	157
45	4	9
55	2	2
65	1	1
75	0	0
85	0	0
95	0	

Intensity Distribution

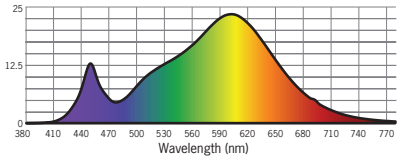
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	386.8	1.3
6'	171.9	2.0
8'	96.7	2.6
10'	61.9	3.3
12'	43.0	3.9
14'	31.6	4.6

Beam Distribution: 19°, **Spacing Criterion:** 0.33

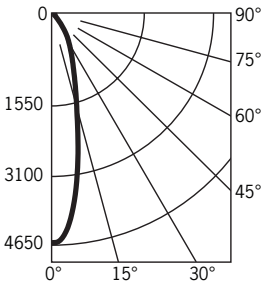
CTL84X2M3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86946

Light Output (Fixture Delivered Lumens): 1294
Total Watts@120V: 16.4; **Lumens Per Watt:** 78.9
Center Beam Candle Power: 4538
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2931K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4538	
5	3963	335
15	1628	460
25	737	342
35	236	149
45	4	6
55	1	1
65	1	1
75	0	0
85	0	0
95	0	

Intensity Distribution

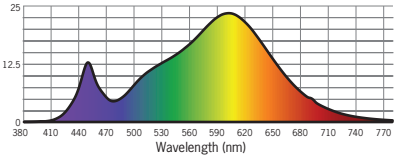
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	283.6	1.6
6'	126.1	2.3
8	70.9	3.1
10'	45.4	3.9
12'	31.5	4.7
14'	23.2	5.4

Beam Distribution: 23°, **Spacing Criterion:** 0.39

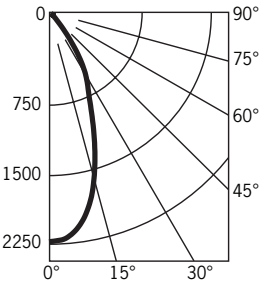
CTL84X2F3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86947

Light Output (Fixture Delivered Lumens): 1226
Total Watts@120V: 16.4; **Lumens Per Watt:** 74.8
Center Beam Candle Power: 2196
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2931K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2196	
5	2136	197
15	1563	429
25	818	382
35	299	189
45	21	20
55	7	6
65	2	2
75	1	1
85	0	0
95	0	

Intensity Distribution

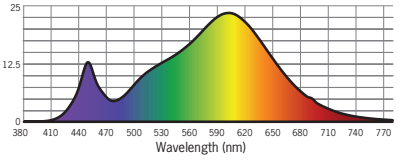
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	137.3	2.6
6'	61.0	4.0
8'	34.3	5.3
10'	22.0	6.6
12'	15.3	7.9
14'	11.2	9.3

Beam Distribution: 41°, **Spacing Criterion:** 0.66

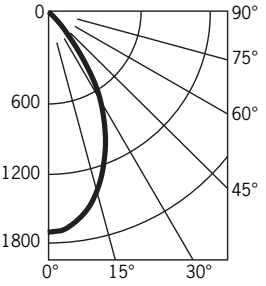
CTL84X2W3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 86948

Light Output (Fixture Delivered Lumens): 1325
Total Watts@120V: 16.4; **Lumens Per Watt:** 80.8
Center Beam Candle Power: 1690
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 2931K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	1690	
5	1655	155
15	1402	390
25	988	450
35	456	283
45	38	46
55	1	1
65	0	0
75	0	0
85	0	0
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	105.6	3.4
6'	46.9	5.1
8'	26.4	6.8
10'	16.9	8.5
12'	11.7	10.2
14'	8.6	11.8

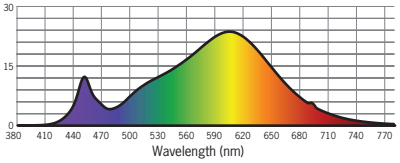
Beam Distribution: 56°, **Spacing Criterion:** 0.85

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

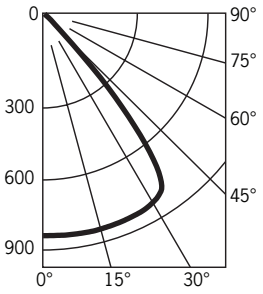
CTL844A3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87460

Light Output (Fixture Delivered Lumens): 1172
Total Watts@120V: 14.2; **Lumens Per Watt:** 82.5
Center Beam Candle Power: 832
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 2996K
Spectral Power Distribution Chart[4]
LM-79 Test No. 87460



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	832	
5	833	79
15	831	235
25	821	379
35	724	413
45	37	63
55	1	1
65	1	1
75	0	0
85	0	0
95	0	

Intensity Distribution

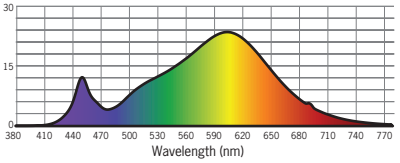
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	52.0	5.5
6'	23.1	8.2
8'	13.0	11.0
10'	8.3	13.7
12'	5.8	16.4
14'	4.2	19.2

Beam Distribution: Wide: 77°, Narrow: 13°
Spacing Criterion: 1.15

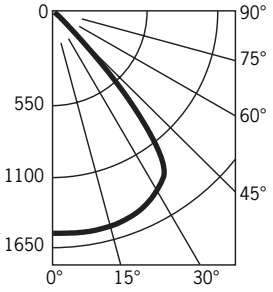
CTL845A3D

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87462

Light Output (Fixture Delivered Lumens): 2155
Total Watts@120V: 30.1; **Lumens Per Watt:** 71.6
Center Beam Candle Power: 1545
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 2996K
Spectral Power Distribution Chart[4]
LM-79 Test No. 87460



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	1545	
5	1548	148
15	1539	435
25	1475	679
35	1275	738
45	95	149
55	4	4
65	1	1
75	1	1
85	0	0
95	0	

Intensity Distribution

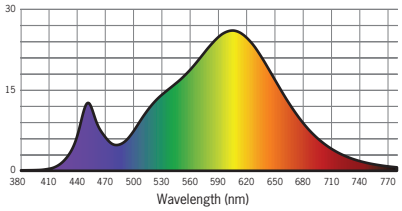
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	96.6	5.3
6'	42.9	7.9
8	24.1	10.6
10'	15.5	13.2
12'	10.7	15.9
14'	7.9	18.5

Beam Distribution: Wide: 79°, Narrow: 14°
Spacing Criterion: 1.15

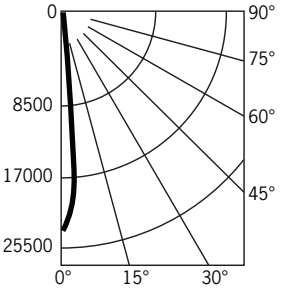
CTL802818LS3, CTL802818LHS3, CTL8001S3, LIR8001S3

Designed for 50,000 Hour Lamp Life; LM-63Test No. 81023*

Light Output (Fixture Delivered Lumens): 1061
Total Watts@120V: 17
Lumens Per Watt: 75
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3003K
Spectral Power Distribution Chart[3]
LM-79 Test No. 81024



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	25413	
5	15247	979
15	695	216
25	59	31
35	25	17
45	12	10
55	6	6
65	2	2
75	1	1
85	0	0
95	0	

Intensity Distribution

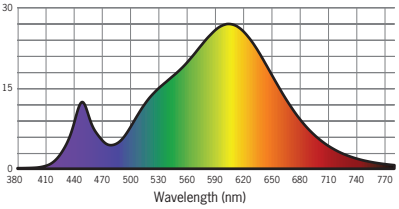
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	705.9	1.2
8'	397.1	1.6
10'	254.1	2.0
12'	176.5	2.4
14'	129.7	2.8
16'	99.3	3.2

Beam Distribution: 11°

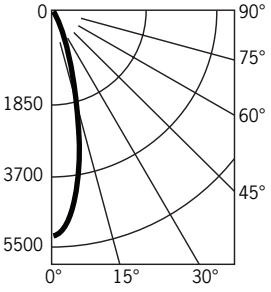
CTL802818LM3, CTL802818LHM3, CTL8001M3, LIR8001M3

Designed for 50,000 Hour Lamp Life; LM-63Test No. 80828*

Light Output (Fixture Delivered Lumens): 1319
Total Watts@120V: 17
Lumens Per Watt: 78
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3022K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80840



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	5452	
5	4862	420
15	2099	574
25	454	227
35	82	58
45	29	23
55	13	12
65	3	3
75	1	1
85	1	1
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	151.4	2.5
8'	85.2	3.4
10'	54.5	4.2
12'	37.9	5.1
14'	27.8	5.9
16'	21.3	6.8

Beam Distribution: 25°

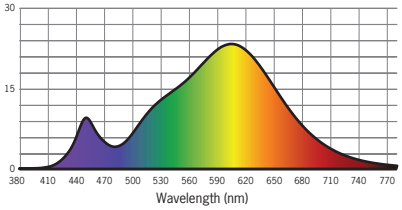
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

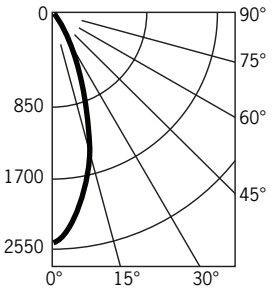
CTL802818LF3, CTL802818LHF3, CTL8001F3, LIR8001F3

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80829

Light Output (Fixture Delivered Lumens): 1120
Total Watts@120V: 17.5
Lumens Per Watt: 64
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 2997K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80841



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2476	
5	2328	211
15	1492	409
25	623	291
35	194	128
45	62	50
55	22	20
65	6	6
75	2	2
85	2	2
95	0	

Intensity Distribution

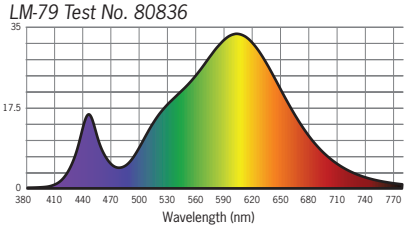
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	68.8	3.4
8'	38.7	4.6
10'	24.8	5.7
12'	17.2	6.9
14'	12.6	8.0
16'	9.7	9.2

Beam Distribution: 35°

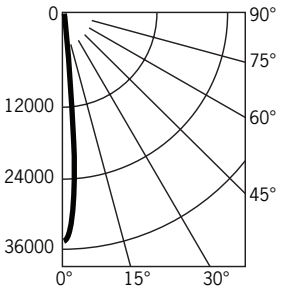
CTL802927LS3, CTL802927LHS3, CTL8002S3, LIR8002S3

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80824

Light Output (Fixture Delivered Lumens): 1710
Total Watts@120V: 26
Lumens Per Watt: 66
Color Rendering Index (CRI)[1]: 81
Color Temperature (CCT)[2]: 2992K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80836



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	34569	
5	20594	1330
15	924	294
25	78	40
35	34	23
45	16	13
55	9	8
65	2	2
75	1	1
85	0	0
95	0	

Intensity Distribution

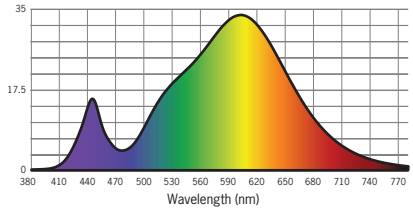
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	960.3	1.2
8'	540.1	1.6
10'	345.7	2.0
12'	240.1	2.4
14'	176.4	2.7
16'	135.0	3.1

Beam Distribution: 11°

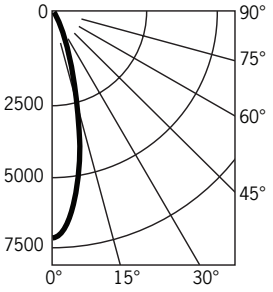
CTL802927LM3, CTL802927LHM3, CTL8002M3, LIR8002M3

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80825

Light Output (Fixture Delivered Lumens): 1731
Total Watts@120V: 27
Lumens Per Watt: 65
Color Rendering Index (CRI)[1]: 80
Color Temperature (CCT)[2]: 3029K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80837



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6982	
5	6256	542
15	2780	760
25	605	302
35	105	74
45	36	29
55	16	15
65	4	5
75	2	2
85	2	2
95	0	

Intensity Distribution

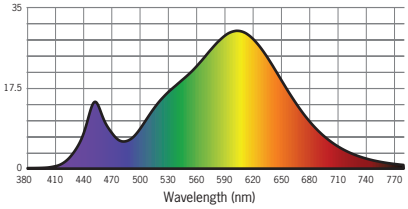
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	193.9	2.6
8'	109.1	3.5
10'	69.8	4.3
12'	48.5	5.2
14'	35.6	6.1
16'	27.3	7.0

Beam Distribution: 26°

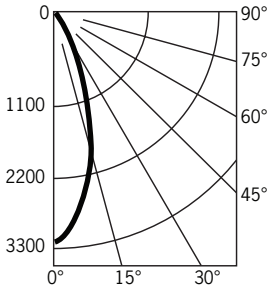
CTL802927LF3, CTL802927HF3, CTL8002F3, LIR8002F3

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80826

Light Output (Fixture Lumens): 1494
Total Watts@120V: 26
Lumens Per Watt: 58
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3066K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80838



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3205	
5	3027	275
15	2008	550
25	851	397
35	258	171
45	79	64
55	28	25
65	7	8
75	3	3
85	2	2
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	89.0	3.6
8'	50.1	4.8
10'	32.1	5.9
12'	22.3	7.1
14'	16.4	8.3
16'	12.5	9.5

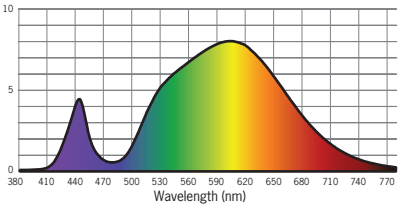
Beam Distribution: 37°

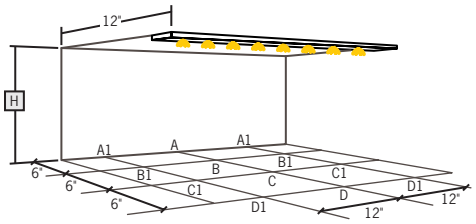
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

LPU2 - LOW

Designed for 50,000 Hour Lamp Life[1]

Light Output (Fixture Lumens): 287
Total Watts@120V: 5.7
Lumens Per Watt: 50
Color Rendering Index (CRI)[2]: 90
Color Temperature (CCT)[3]: 3000K
Spectral Power Distribution Chart[4]



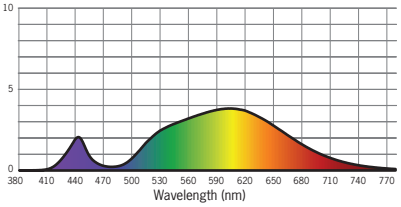


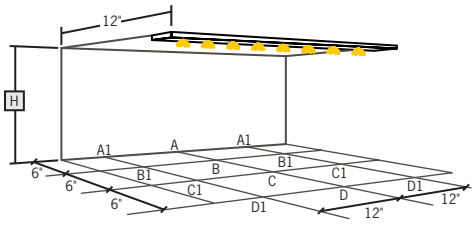
Lamp Spacing From Wall (in.)	Cabinet Elevation H (in.)	Footcandles on Horizontal Plane A	A1	B	B1	C	C1	D	D1
12	12	35	17	67	28	31	15	7	5
12	18	27	16	38	22	23	14	9	6
12	24	19	14	24	16	17	12	9	7

LPU2 - HIGH

Designed for 50,000 Hour Lamp Life[1]

Light Output (Fixture Lumens): 337
Total Watts@120V: 5.5
Lumens Per Watt: 61
Color Rendering Index (CRI)[2]: 90
Color Temperature (CCT)[3]: 3000K
Spectral Power Distribution Chart[4]



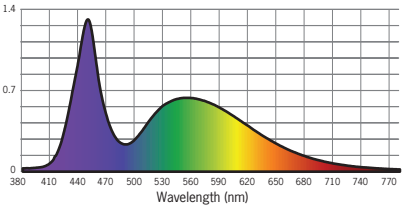


Lamp Spacing From Wall (in.)	Cabinet Elevation H (in.)	Footcandles on Horizontal Plane A	A1	B	B1	C	C1	D	D1
12	12	42	20	79	33	36	18	8	5
12	18	32	19	45	25	27	16	10	8
12	24	23	16	28	19	19	14	10	8

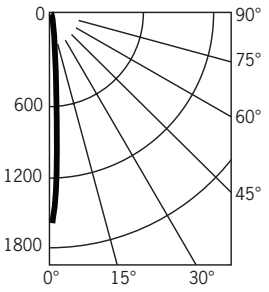
MCT-3LEDC: Spot Beam Distribution

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 62128

Light Output (Fixture Delivered Lumens): 22
Total Watts@120V: 5.5
Lumens Per Watt: 4
Color Rendering Index (CRI)[2]: 80
Color Temperature (CCT)[3]: 6650K
Spectral Power Distribution Chart[4]
LM-79 Test No. 64956



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	1661	
5	135	16
15	1	0
25	2	0
35	4	2
45	2	1
55	1	1
65	0	0
75	0	0
85	0	0
95	0	

Intensity Distribution

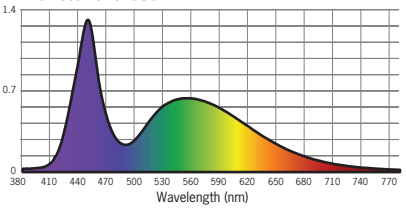
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
1.5'	738.2	0.1
2.0'	415.3	0.2
2.5'	265.8	0.2
3.0'	184.6	0.3
4.0'	103.8	0.4

Beam Distribution: 5°

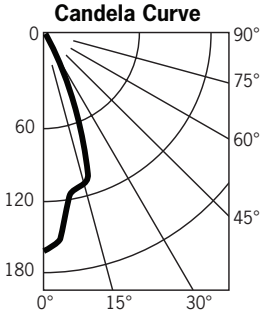
MCT-3LEDC: Flood Beam Distribution

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 62129

Light Output (Fixture Delivered Lumens): 52
Total Watts@120V: 5.5
Lumens Per Watt: 10
Color Rendering Index (CRI)[2]: 80
Color Temperature (CCT)[3]: 6650K
Spectral Power Distribution Chart[4]
LM-79 Test No. 64956



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	159	
5	140	13
15	110	27
25	5	5
35	3	2
45	3	2
55	2	2
65	1	1
75	0	0
85	0	0
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
1.5'	70.8	0.9
2.0'	39.8	1.2
2.5'	25.5	1.5
3.0'	17.7	1.8
4.0'	10.0	2.4

Beam Distribution: 38°

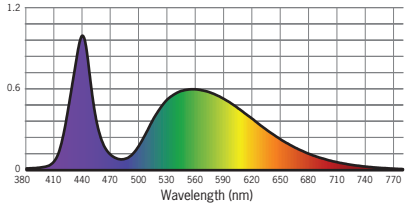
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

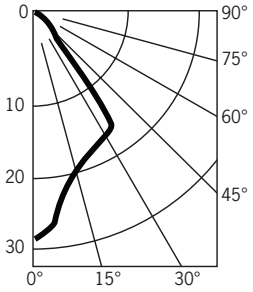
MT30121

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 61566

Light Output (Fixture Delivered Lumens): 35.1
Total Watts@120V: 2.1
Lumens Per Watt: 17
Color Rendering Index (CRI)[2]: 80
Color Temperature (CCT)[3]: 5500K
Spectral Power Distribution Chart[4]
LM-79 Test No. 65197



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	29	
5	26	2
15	20	6
25	18	8
35	16	8
45	4	3
55	3	2
65	2	2
75	2	2
85	1	2
90	1	

Intensity Distribution

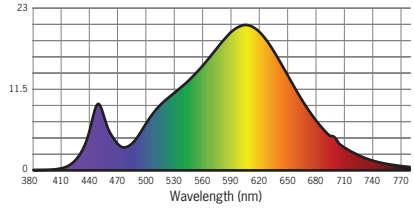
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	28.9	0.8
8'	7.2	1.6
10'	3.2	2.4
12'	1.8	3.2
14'	1.2	4.1
16'	0.8	4.9

Beam Distribution: 60°

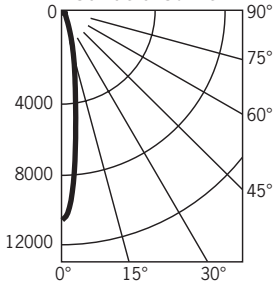
RA2LRM230K12S/CST2322L-PL

Designed for 50,000 Hour Lamp Life; LM-63 Test No. 80870*

Light Output (Fixture Delivered Lumens): 916
Total Watts@120V: 14.7
Lumens Per Watt: 62
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 2986K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80879



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	10531	
5	6474	500
15	1200	332
25	97	49
35	29	19
45	13	10
55	4	4
65	1	1
75	1	1
85	0	0
95	0	

Intensity Distribution

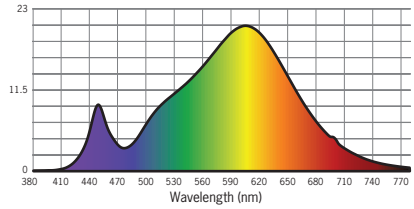
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	292.5	1.3
8'	164.5	1.7
10'	105.3	2.1
12'	73.1	2.6
14'	53.7	3.0
16'	41.1	3.4

Beam Distribution: 12°
Spacing Criteria: 0.21

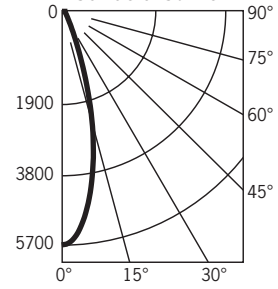
RA2LRM230K12M/CST2322L-PL

Designed for 50,000 Hour Lamp Life; LM-63 Test No. 80928*

Light Output (Fixture Delivered Lumens): 1245
Total Watts@120V: 14.7
Lumens Per Watt: 85
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 2986K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80879



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	5672	
5	5125	450
15	2391	631
25	220	142
35	21	16
45	5	4
55	2	2
65	1	1
75	0	0
85	0	0
95	0	

Intensity Distribution

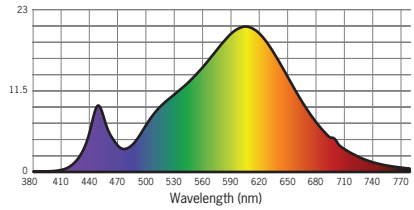
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	157.6	2.7
8'	88.6	3.7
10'	56.7	4.6
12'	39.4	5.5
14'	28.9	6.4
16'	22.2	7.3

Beam Distribution: 27°
Spacing Criteria: 0.44

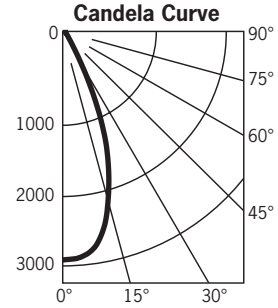
RA2LRM230K12F/CST2322L-PL

Designed for 50,000 Hour Lamp Life; LM-63 Test No. 80872*

Light Output (Fixture Delivered Lumens): 1239
Total Watts@120V: 14.7
Lumens Per Watt: 84
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 2968K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80879



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2894	
5	2849	265
15	2112	578
25	729	339
35	67	47
45	7	7
55	2	2
65	1	1
75	0	0
85	0	0
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	80.4	4.0
8'	45.2	5.3
10'	28.9	6.7
12'	20.1	8.0
14'	14.8	9.4
16'	11.3	10.7

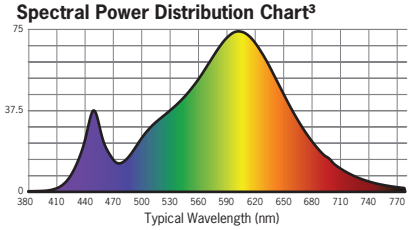
Beam Distribution: 41°
Spacing Criteria: 0.62

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

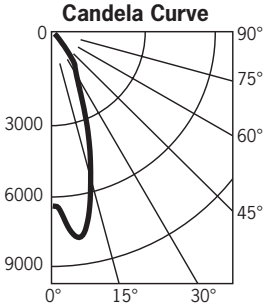
R4NC630K12D/C4322N-CLR, CYL6, CYL8

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85317

Light Output (Fixture Delivered Lumens): 3567
Total Watts@120V: 43.0
Lumens Per Watt: 83.0
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3027K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6579	
5	7684	716
15	5015	1377
25	1967	950
35	780	462
45	46	36
55	18	17
65	6	7
75	2	2
85	0	0
95	0	

Intensity Distribution

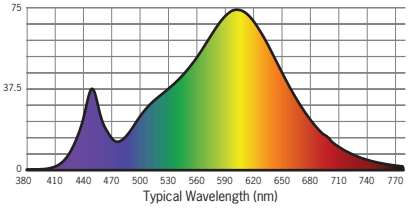
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	182.8	3.9
8'	102.8	5.3
10'	65.8	6.6
12'	45.7	7.9
14'	33.6	9.2
16'	25.7	10.5

Beam Distribution: 36°
Spacing Criteria: 0.63

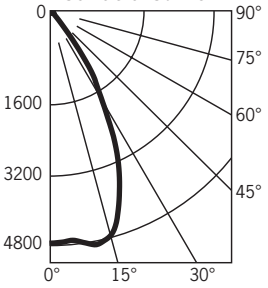
R4NC630K12D/C4322M-CLR, CYL6, CYL8

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85098

Light Output (Fixture Delivered Lumens): 3603
Total Watts@120V: 43.0
Lumens Per Watt: 83.8
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 2988K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4747	
5	4706	455
15	4680	1278
25	2956	1316
35	815	514
45	30	24
55	11	11
65	4	4
75	1	1
85	0	0
95	0	

Intensity Distribution

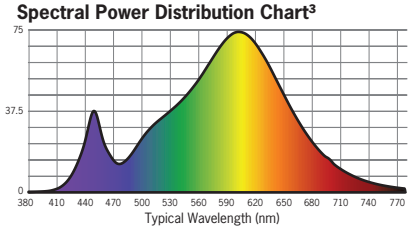
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	131.9	5.4
8'	74.2	7.2
10'	47.5	9.0
12'	33.0	10.8
14'	24.2	12.6
16'	18.5	14.4

Beam Distribution: 54°
Spacing Criteria: 0.82

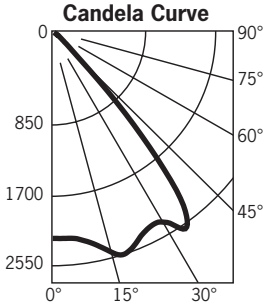
R4NC630K12D/C4322W-CLR, CYL6, CYL8

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 84842

Light Output (Fixture Delivered Lumens): 3749
Total Watts@120V: 44.4
Lumens Per Watt: 84.4
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3025K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2248	
5	2256	218
15	2506	701
25	2356	1102
35	2448	1380
45	222	294
55	43	41
65	11	11
75	2	2
85	0	0
95	0	

Intensity Distribution

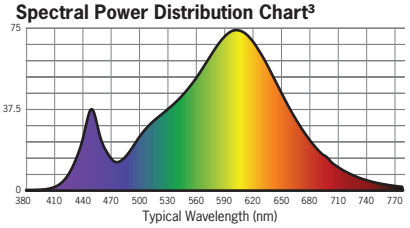
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	62.4	8.9
8'	35.1	11.9
10'	22.5	14.9
12'	15.6	17.9
14'	11.5	20.8
16'	8.8	23.8

Beam Distribution: 80°
Spacing Criteria: 1.19

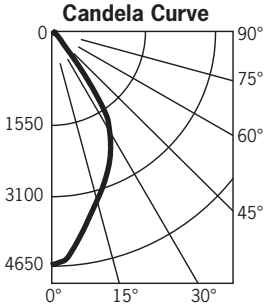
R4NC630K12D/C4322-PL

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85318

Light Output (Fixture Delivered Lumens): 3423
Total Watts@120V: 43.0
Lumens Per Watt: 79.6
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3033K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4582	
5	4309	395
15	3376	949
25	2619	1194
35	1191	725
45	140	116
55	33	33
65	8	9
75	2	2
85	0	0
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	127.3	4.8
8'	71.6	6.4
10'	45.8	8.0
12'	31.8	9.6
14'	23.4	11.3
16'	17.9	12.9

Beam Distribution: 57°
Spacing Criteria: 0.80

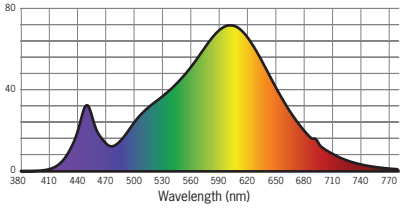
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

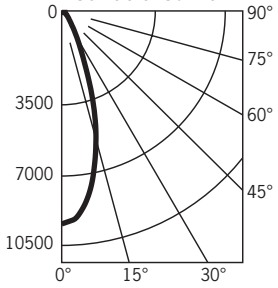
R4SQNC630K12DN/C4322SQ-CLR (Soft Focus Film)

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87326

Light Output (Fixture Delivered Lumens): 3627
Total Watts@120V: 46.3
Lumens Per Watt: 78.3
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 3011K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	9760	
5	9210	833
15	5648	1554
25	1611	885
35	354	269
45	67	69
55	9	10
65	4	4
75	2	2
85	0	0
95	0	

Intensity Distribution

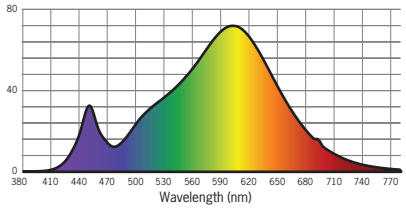
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	271.1	3.4
8'	152.5	4.5
10'	97.6	5.6
12'	67.8	6.7
14'	49.8	7.8
16'	38.1	8.9

Beam Distribution: 33°
Spacing Criteria: 0.55

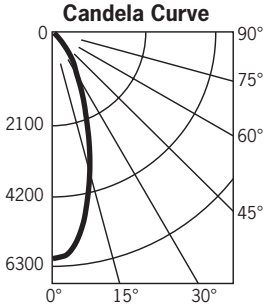
R4SQNC630K12DM/C4322SQ-CLR (Soft Focus Film)

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87328

Light Output (Fixture Delivered Lumens): 3490
Total Watts@120V: 46.3
Lumens Per Watt: 75.4
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 3026K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6166	
5	5923	537
15	4028	1108
25	2051	997
35	981	624
45	148	203
55	10	14
65	4	4
75	1	2
85	0	0
95	0	

Intensity Distribution

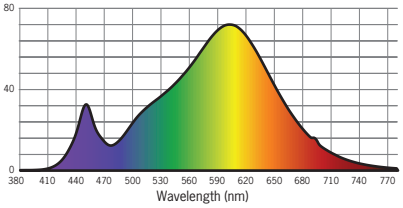
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	171.3	3.7
8'	96.3	5.0
10'	61.7	6.2
12'	42.8	7.4
14'	31.5	8.7
16'	24.1	9.9

Beam Distribution: 39°
Spacing Criteria: 0.62

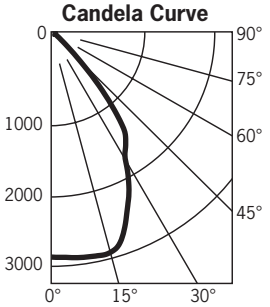
R4SQNC630K12DW/C4322SQ-CLR (Soft Focus Film)

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87339

Light Output (Fixture Delivered Lumens): 3569
Total Watts@120V: 45.8
Lumens Per Watt: 77.9
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 3011K
Spectral Power Distribution Chart[4]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2921	
5	2938	280
15	2941	811
25	2302	1094
35	1615	983
45	253	370
55	14	22
65	5	6
75	2	3
85	0	1
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	81.1	6.5
8'	45.6	8.6
10'	29.2	10.8
12'	20.3	12.9
14'	14.9	15.1
16'	11.4	17.2

Beam Distribution: 73°
Spacing Criteria: 1.04

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

Mounted 3 Feet From Wall, 10' Mounting Height, Tilted 40 Degrees from Nadir

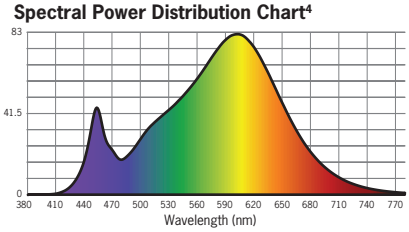
		Single Unit						Multiple Units*								
		0'	1'	2'	3'	4'	5'	4' On Center			6' On Center			8' On Center		
		▼						▼		▼	▼		▼	▼		▼
Distance From Ceiling	1'	150	131	95	58	30	11	202	198	203	154	113	154	152	58	147
	2'	159	140	104	67	36	15	230	222	231	169	134	168	162	74	158
	3'	150	134	104	73	46	24	240	229	240	169	147	168	154	91	151
	4'	100	92	75	56	39	24	183	178	182	127	115	127	106	79	105
	5'	62	59	51	40	30	20	129	128	129	90	83	90	71	60	71
	6'	38	37	33	28	22	16	92	92	92	64	61	64	50	44	50
	7'	24	24	22	19	16	12	68	68	68	47	46	47	37	33	37
	8'	16	16	15	14	12	10	51	52	51	35	36	35	28	26	28
	9'	12	11	11	10	9	8	39	40	40	28	28	28	22	21	22
		▼ is the beam center														

Mounted 4 Feet From Wall, 10' Mounting Height, Tilted 40 Degrees from Nadir

		Single Unit						Multiple Units*								
		0'	1'	2'	3'	4'	5'	4' On Center			6' On Center			8' On Center		
		▼						▼		▼	▼		▼	▼		▼
Distance From Ceiling	1'	81	74	61	44	28	16	136	134	136	94	89	94	84	56	83
	2'	95	87	71	53	35	21	168	165	169	116	109	116	100	72	99
	3'	105	97	81	62	44	29	199	196	199	137	127	137	112	90	112
	4'	86	80	68	54	41	29	178	178	178	124	114	124	97	83	97
	5'	63	60	53	44	34	26	146	146	145	101	94	101	78	70	78
	6'	44	43	39	33	27	21	114	114	113	78	75	78	61	55	61
	7'	31	30	28	24	20	17	87	88	87	60	59	60	48	43	47
	8'	22	21	20	18	15	13	68	69	68	47	48	47	37	35	37
	9'	15	15	14	13	12	10	55	56	55	39	39	39	30	29	30
		▼ is the beam center														

*All multiple layouts are based on five fixtures aimed at 40 degrees from nadir.

Light Output (Fixture Delivered Lumens): 3531
Total Watts @ 120V: 56
Lumens Per Watt: 63
Color Rendering Index (CRI)[2]: 82
Color Temperature (CCT)[3]: 3131
Spectral Power Distribution Chart[4]



LM-79 Test: 85820

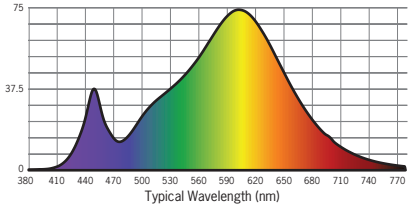
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

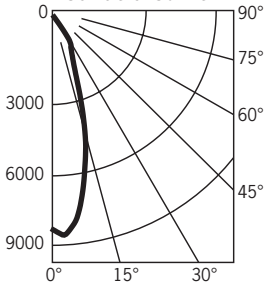
R6NC630K12D/C6322N-CLR

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85531

Light Output (Fixture Delivered Lumens): 3544
Total Watts@120V: 43.0
Lumens Per Watt: 82.4
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3603K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8149	
5	8114	731
15	4969	1336
25	1863	898
35	1073	530
45	35	28
55	15	14
65	6	6
75	2	2
85	0	0
95	0	

Intensity Distribution

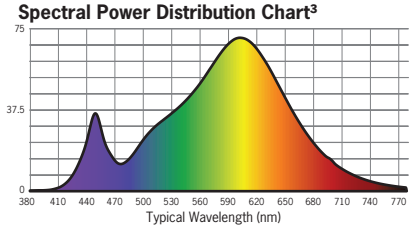
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	226.4	3.4
8'	127.3	4.6
10'	81.5	5.7
12'	56.6	6.9
14'	41.6	8.0
16'	31.8	9.1

Beam Distribution: 34°
Spacing Criteria: 0.56

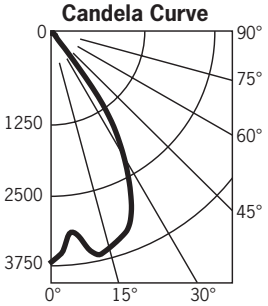
R6NC630K12D/C6322M-CLR

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85912

Light Output (Fixture Delivered Lumens): 3539
Total Watts@120V: 43.3
Lumens Per Watt: 81.7
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3088K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3647	
5	3210	320
15	3537	994
25	2954	1328
35	1389	761
45	95	76
55	43	39
65	15	16
75	4	5
85	1	1
95	0	

Intensity Distribution

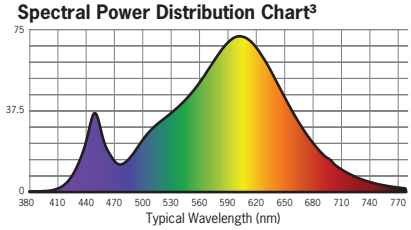
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	101.3	6.2
8'	57.0	8.3
10'	36.5	10.4
12'	25.3	12.5
14'	18.6	14.6
16'	14.2	16.7

Beam Distribution: 66°
Spacing Criteria: 0.95

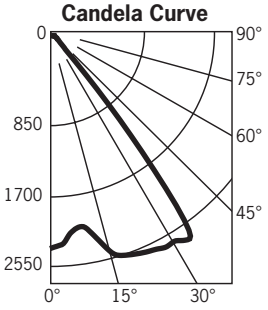
R6NC630K12D/C6322W-CLR

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85700

Light Output (Fixture Delivered Lumens): 3521
Total Watts@120V: 44.0
Lumens Per Watt: 80.0
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3075K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2330	
5	2183	208
15	2469	691
25	2596	1203
35	2475	1235
45	114	118
55	49	44
65	16	17
75	4	5
85	1	1
95	0	

Intensity Distribution

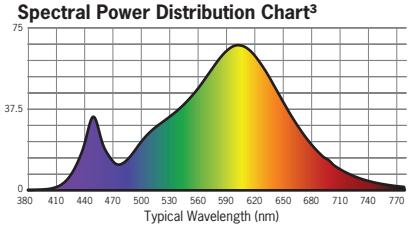
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	64.7	8.6
8'	36.4	11.5
10'	23.3	14.4
12'	16.2	17.3
14'	11.9	20.1
16'	9.1	23.0

Beam Distribution: 75°
Spacing Criteria: 1.11

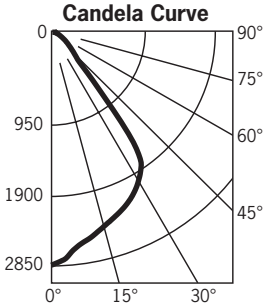
R6NC630K12D/C6322-PL

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 85533

Light Output (Fixture Delivered Lumens): 3200
Total Watts@120V: 43.1
Lumens Per Watt: 74.2
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3030K
Spectral Power Distribution Chart[3]



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2812	
5	2650	250
15	2407	680
25	2188	1005
35	1633	863
45	294	232
55	124	114
65	40	41
75	11	12
85	2	2
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	175.8	4.4
6'	78.1	6.5
8'	43.9	8.7
10'	28.1	10.9
12'	19.5	13.1
14'	14.3	15.2

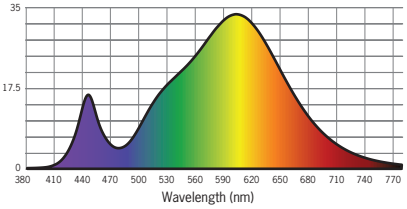
Beam Distribution: 72°
Spacing Criteria: 1.03

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

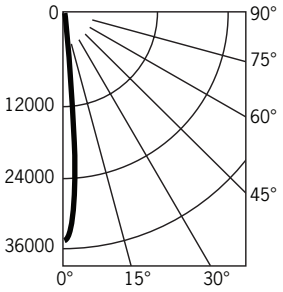
RAN27LS312N1

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80824

Light Output (Fixture Delivered Lumens): 1710
Total Watts@120V: 26
Lumens Per Watt: 66
Color Rendering Index (CRI)[1]: 81
Color Temperature (CCT)[2]: 2992K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80836



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	34569	
5	20594	1330
15	924	294
25	78	40
35	34	23
45	16	13
55	9	8
65	2	2
75	1	1
85	0	0
95	0	

Intensity Distribution

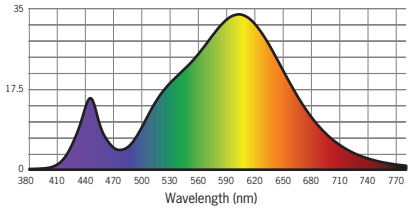
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	960.3	1.2
8'	540.1	1.6
10'	345.7	2.0
12'	240.1	2.4
14'	176.4	2.7
16'	135.0	3.1

Beam Distribution: 11°

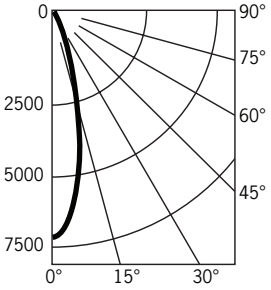
RAN27LM312N1

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80825

Light Output (Fixture Delivered Lumens): 1731
Total Watts@120V: 27
Lumens Per Watt: 65
Color Rendering Index (CRI)[1]: 80
Color Temperature (CCT)[2]: 3029K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80837



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6982	
5	6256	542
15	2780	760
25	605	302
35	105	74
45	36	29
55	16	15
65	4	5
75	2	2
85	2	2
95	0	

Intensity Distribution

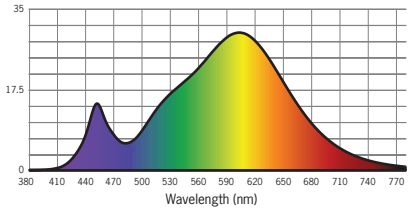
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	193.9	2.6
8'	109.1	3.5
10'	69.8	4.3
12'	48.5	5.2
14'	35.6	6.1
16'	27.3	7.0

Beam Distribution: 26°

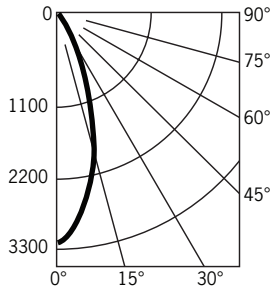
RAN27LF312N1

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 80826

Light Output (Fixture Lumens): 1494
Total Watts@120V: 26
Lumens Per Watt: 58
Color Rendering Index (CRI)[1]: 82
Color Temperature (CCT)[2]: 3066K
Spectral Power Distribution Chart[3]
LM-79 Test No. 80838



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3205	
5	3027	275
15	2008	550
25	851	397
35	258	171
45	79	64
55	28	25
65	7	8
75	3	3
85	2	2
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	89.0	3.6
8'	50.1	4.8
10'	32.1	5.9
12'	22.3	7.1
14'	16.4	8.3
16'	12.5	9.5

Beam Distribution: 37°

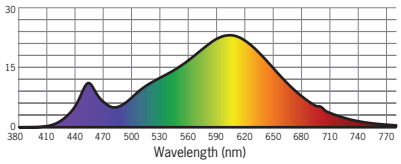
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

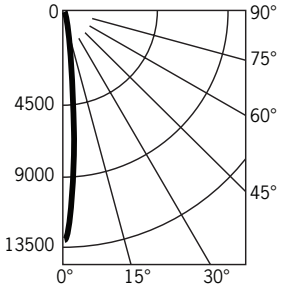
RDA4L230K12D1SX1

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87351

Light Output (Fixture Delivered Lumens): 1184
Total Watts@120V: 13.8
Lumens Per Watt: 85.8
Center Beam Candle Power: 13269
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3073K
Spectral Power Distribution Chart[4]
LM-79 Test No. 78891



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	13269	
5	8506	617
15	1364	394
25	190	99
35	33	23
45	20	15
55	15	13
65	12	12
75	6	7
85	3	3
95	0	

Intensity Distribution

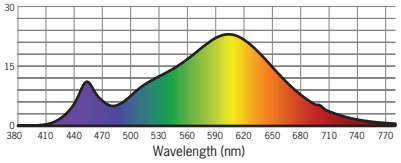
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	829.3	0.9
6'	368.6	1.3
8	207.3	1.7
10'	132.7	2.2
12'	92.1	2.6
14'	67.7	3.0

Beam Distribution: 12°
Spacing Criterion: 0.22

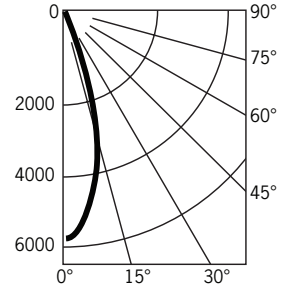
RDA4L230K12D1MX1

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87352

Light Output (Fixture Delivered Lumens): 1432
Total Watts@120V: 13.8
Lumens Per Watt: 103.8
Center Beam Candle Power: 5909
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3086K
Spectral Power Distribution Chart[4]
LM-79 Test No. 788890



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	5909	
5	5481	486
15	2711	718
25	278	179
35	52	35
45	10	9
55	3	2
65	1	1
75	1	1
85	0	0
95	0	

Intensity Distribution

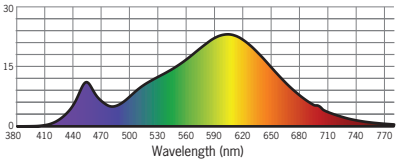
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	369.3	1.9
6'	164.1	2.9
8'	92.3	3.8
10'	59.1	4.8
12'	41.0	5.7
14'	30.1	6.7

Beam Distribution: 29°
Spacing Criterion: 0.46

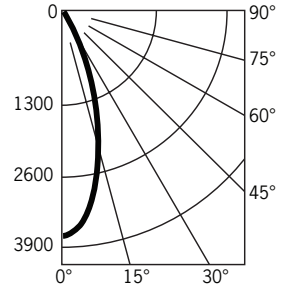
RDA4L230K12D1FX1

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 87353

Light Output (Fixture Delivered Lumens): 1478
Total Watts@120V: 13.8
Lumens Per Watt: 107.1
Center Beam Candle Power: 3752
Color Rendering Index (CRI)[2]: 83
Color Temperature (CCT)[3]: 3061K
Spectral Power Distribution Chart[4]
LM-79 Test No. 79250



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3752	
5	3450	310
15	2254	625
25	960	429
35	115	82
45	25	22
55	5	5
65	3	3
75	2	2
85	1	1
95	0	

Intensity Distribution

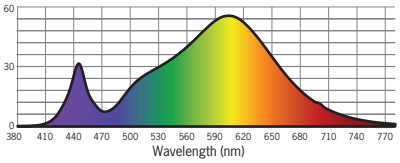
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	234.5	2.3
6'	104.2	3.5
8	58.6	4.6
10'	37.5	5.8
12'	26.1	7.0
14'	19.1	8.1

Beam Distribution: 37°
Spacing Criterion: 0.58

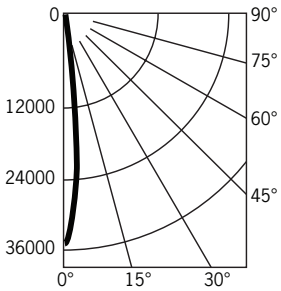
RDA6L230K12DSX1

Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 82691

Light Output (Fixture Delivered Lumens): 2714
Total Watts@120V: 27.3; **Lumens Per Watt:** 99
Center Beam Candle Power: 35717
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3072K Warm White
Spectral Power Distribution Chart[3]
LM-79 Test No. 82700



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	35717	
5	20593	1479
15	2092	670
25	1040	459
35	17	68
45	11	9
55	8	7
65	10	10
75	7	8
85	4	4
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	992.1	1.2
8'	558.1	1.6
10'	357.2	2.0
12'	248.0	2.4
14'	182.2	2.8
16'	139.5	3.1

Beam Distribution: 11°

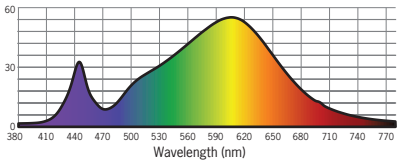
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

RDA6L230K12DMX1

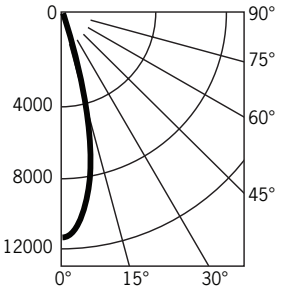
Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 82692

Light Output (Fixture Delivered Lumens): 2816
Total Watts@120V: 27.3; **Lumens Per Watt:** 103
Center Beam Candle Power: 11345
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3062K Warm White
Spectral Power Distribution Chart[3]

LM-79 Test No. 82701



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	11345	
5	10005	861
15	4220	1180
25	1408	658
35	17	76
45	11	9
55	10	9
65	10	10
75	8	9
85	4	4
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	315.1	2.5
8'	177.3	3.3
10'	113.5	4.1
12'	78.8	5.0
14'	57.9	5.8
16'	44.3	6.6

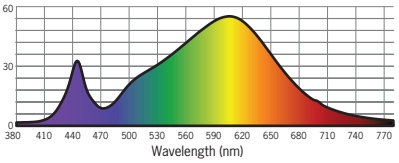
Beam Distribution: 25°

RDA6L230K12DFX1

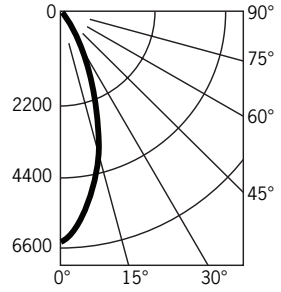
Designed for 50,000 Hour Lamp Life*; LM-63 Test No. 82693

Light Output (Fixture Delivered Lumens): 2818
Total Watts@120V: 27.3; **Lumens Per Watt:** 103
Center Beam Candle Power: 6532
Color Rendering Index (CRI)[1]: 83
Color Temperature (CCT)[2]: 3090K Warm White
Spectral Power Distribution Chart[3]

LM-79 Test No. 82702



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6532	
5	6188	559
15	3965	1100
25	2050	919
35	180	193
45	14	14
55	11	10
65	10	10
75	8	9
85	4	4
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	181.4	3.5
8'	102.1	4.7
10'	65.3	5.8
12'	45.4	7.0
14'	33.3	8.1
16'	25.5	9.3

Beam Distribution: 36°

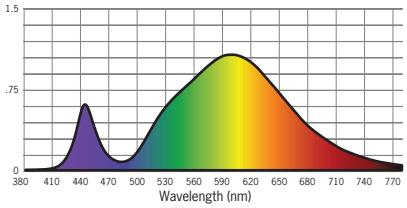
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

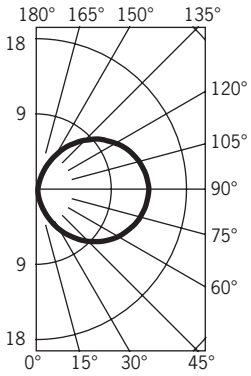
STPBWWLS-NK

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 81622

Light Output (Fixture Delivered Lumens): 54
Total Watts@120V: 2.5
Lumens Per Watt: 22
Color Rendering Index (CRI)[2]: 75
Color Temperature (CCT)[3]: 2959K
Spectral Power Distribution Chart[4]
LM-79 Test No. 81625



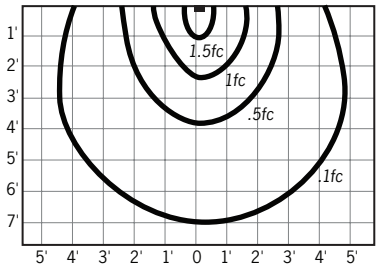
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0	0
15	2.3	0.2
25	6.0	0.7
35	9.6	1.7
45	12.5	2.8
55	15.1	4.0
65	17.1	5.1
75	18.5	5.9
85	19.4	6.4
95	19.5	6.4

Footcandle Chart, Plan View

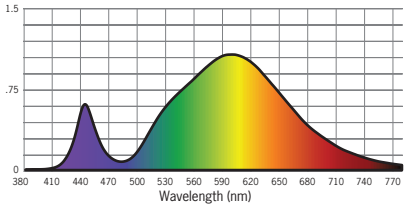


Note: Illuminance levels based on 12" AFF mounting height

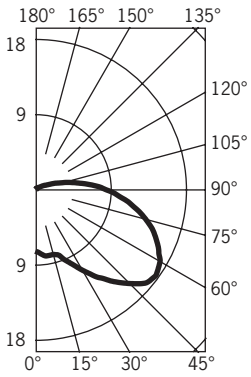
STPBWWLH-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 81624

Light Output (Fixture Delivered Lumens): 39
Total Watts@120V: 2.5
Lumens Per Watt: 16
Color Rendering Index (CRI)[2]: 73
Color Temperature (CCT)[3]: 3059K
Spectral Power Distribution Chart[4]
LM-79 Test No. 81627



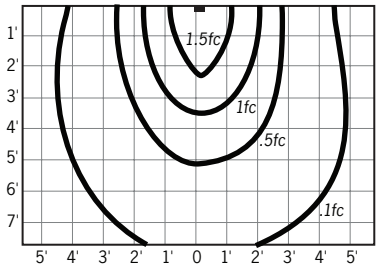
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0	0
15	1.2	0.1
25	4.0	0.5
35	10.7	1.6
45	18.3	3.5
55	21.5	5.5
65	21.1	6.7
75	19.1	6.8
85	16.3	5.7
95	12.5	4.0

Footcandle Chart, Plan View

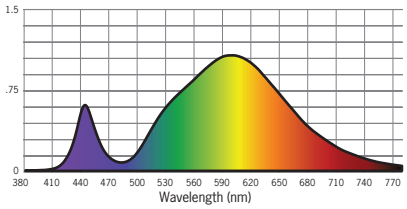


Note: Illuminance levels based on 12" AFF mounting height

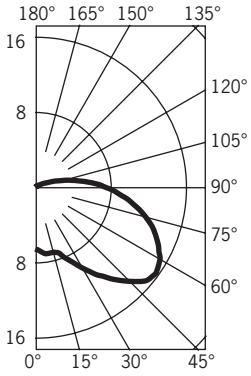
STPBWWVH-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 81623

Light Output (Fixture Delivered Lumens): 42
Total Watts@120V: 2.5
Lumens Per Watt: 17
Color Rendering Index (CRI)[2]: 74
Color Temperature (CCT)[3]: 3075K
Spectral Power Distribution Chart[4]
LM-79 Test No. 81626



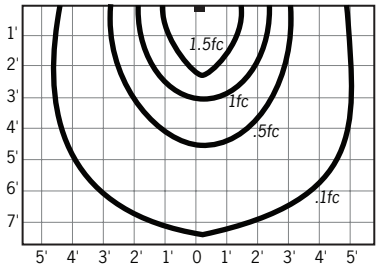
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	6.6	
5	7.0	0.6
15	7.8	1.6
25	11.7	2.6
35	16.6	3.9
45	19.9	5.4
55	19.7	6.3
65	18.3	6.5
75	15.7	5.8
85	12.8	4.4
95	9.3	2.9

Footcandle Chart, Plan View

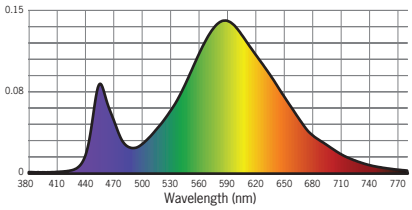


Note: Illuminance levels based on 12" AFF mounting height

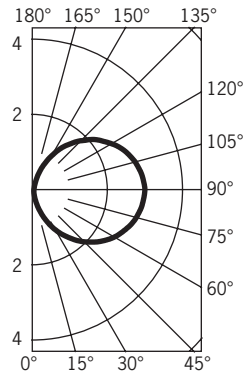
STPLWWLS-NK

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 68344

Light Output (Fixture Delivered Lumens): 14
Total Watts@120V: 1.3
Lumens Per Watt: 11
Color Rendering Index (CRI)[2]: 70
Color Temperature (CCT)[3]: 3000K
Spectral Power Distribution Chart[4]
LM-79 Test No. 68347



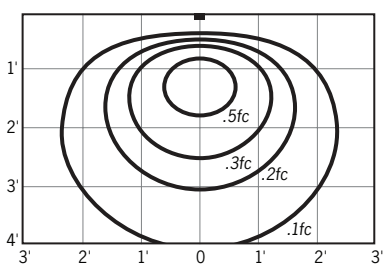
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0.18	0.01
15	0.91	0.08
25	1.80	0.24
35	2.60	0.49
45	3.31	0.78
55	3.94	1.07
65	4.44	1.34
75	4.81	1.55
85	5.00	1.66
95	5.02	

Footcandle Chart, Plan View



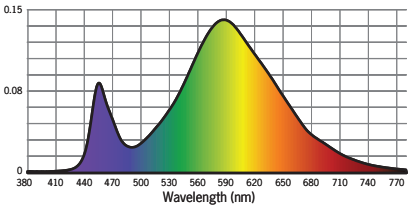
Note: Illuminance levels based on 12" AFF mounting height

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

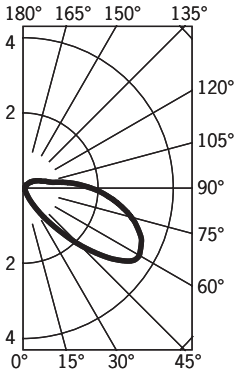
STPLWWLV-P

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 68345

Light Output (Fixture Delivered Lumens): 8
Total Watts@120V: 1.3
Lumens Per Watt: 6
Color Rendering Index (CRI)[2]: 70
Color Temperature (CCT)[3]: 3000K
Spectral Power Distribution Chart[4]
LM-79 Test No. 68347



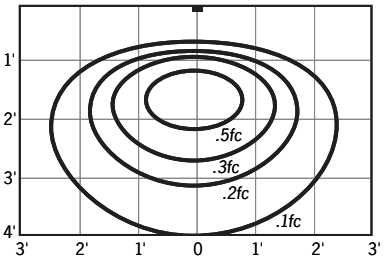
Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0.01	0
15	0.15	0.01
25	0.91	0.10
35	2.56	0.37
45	4.40	0.84
55	4.83	1.23
65	4.47	1.38
75	3.81	1.29
85	2.99	1.02
95	2.13	

Footcandle Chart, Plan View

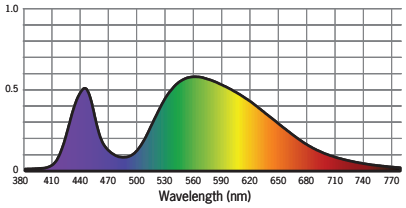


Note: Illuminance levels based on 12" AFF mounting height

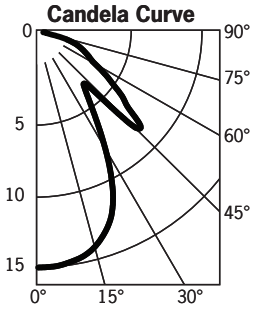
SWS7101W

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 65191

Light Output (Fixture Delivered Lumens): 33
Total Watts@120V: 4
Lumens Per Watt: 8
Color Rendering Index (CRI)[2]: 69
Color Temperature (CCT)[3]: 4124K
Spectral Power Distribution Chart[4]
LM-79 Test No. 65193



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	15	
5	15	1
15	14	4
25	11	5
35	6	4
45	9	5
55	6	5
65	3	3
75	2	2
85	1	1
95	1	

Intensity Distribution

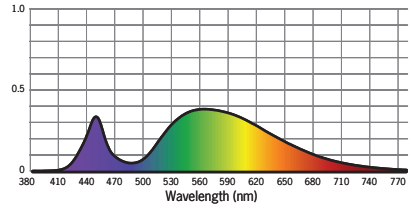
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
1'	14.8	1.0
2'	3.7	2.0
3'	1.6	2.9
4'	0.9	3.9
5'	0.6	4.9
6'	0.4	5.9

Beam Distribution: 94°

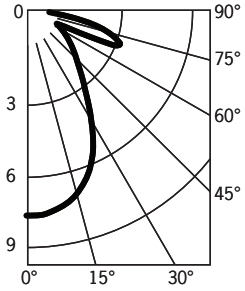
SWS7102W

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 65192

Light Output (Fixture Delivered Lumens): 22
Total Watts@120V: 2.4
Lumens Per Watt: 9
Color Rendering Index (CRI)[2]: 69
Color Temperature (CCT)[3]: 4024K
Spectral Power Distribution Chart[4]
LM-79 Test No. 65194



Candela Curve



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	8	
5	8	1
15	7	2
25	6	3
35	4	2
45	3	2
55	2	2
65	1	2
75	3	3
85	1	1
95	1	

Intensity Distribution

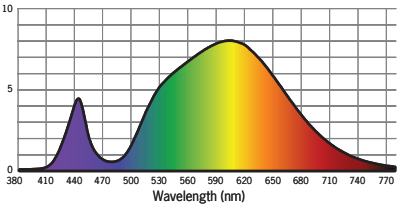
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
1'	7.8	1.0
2'	1.9	2.0
3'	0.9	3.0
4'	0.5	4.0
5'	0.3	5.0
6'	0.2	6.0

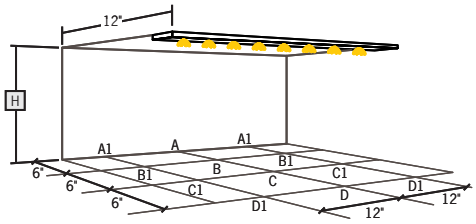
Beam Distribution: 71°

ULED8

Designed for 50,000 Hour Lamp Life[1]; LM-63 Test No. 63752

Light Output (Fixture Delivered Lumens): 437
Total Watts@120V: 10.1
Lumens Per Watt: 43
Color Rendering Index (CRI)[2]: 85
Color Temperature (CCT)[3]: 3000K
Spectral Power Distribution Chart[4]
LM-79 Test No. 63754





Lamp Spacing From Wall (in.)	Cabinet Elevation H (in.)	Footcandles on Horizontal Plane A	A1	B	B1	C	C1	D	D1
12	12	38	23	63	36	90	50	66	36
12	18	32	22	43	29	54	35	45	29
12	24	24	18	30	22	35	25	31	23

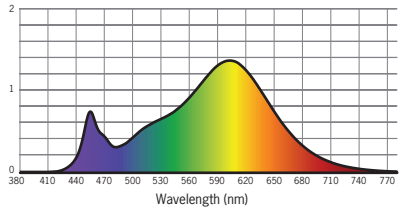
1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

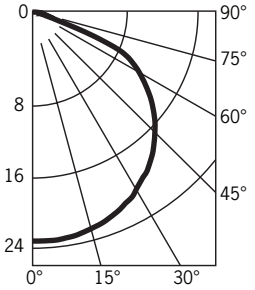
TLT12V13K12

Designed for 50,000 Hour Lamp Life*; LM Test No. 87093

Light Output (Fixture Lumens): 65.3
Total Watts@120V: 0.93
Lumens Per Watt: 70
Color Rendering Index (CRI)[1]: 81
Color Temperature (CCT)[2]: 3000K
Spectral Power Distribution Chart[3]



Candela Curve



Tape mounted in vertical base-up position

Candlepower Summary

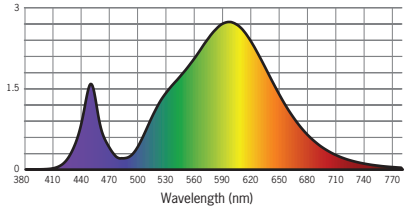
FROM 0	CANDELA	LUMENS
0	23	
5	23	2
15	23	6
25	22	10
35	20	12
45	17	13
55	14	12
65	1	7
75	1	3
85	0	0
95	0	0

Beam Distribution: 116°
Spacing Criteria: 1.3

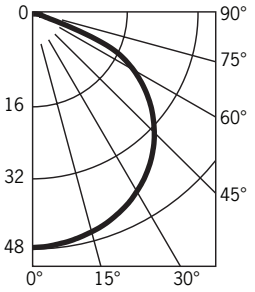
TLT12V23K12

Designed for 50,000 Hour Lamp Life*; LM Test No. 87095

Light Output (Fixture Lumens): 135
Total Watts@12V: 1.81
Lumens Per Watt: 74.6
Color Rendering Index (CRI)[1]: 72
Color Temperature (CCT)[2]: 3004K
Spectral Power Distribution Chart[3]



Candela Curve



Tape mounted in vertical base-up position

Candlepower Summary

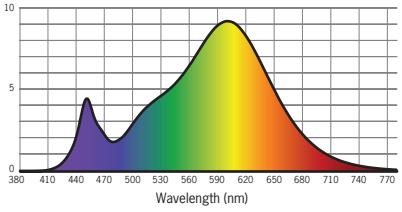
FROM 0	CANDELA	LUMENS
0	48	
5	48	5
15	47	13
25	45	20
35	41	25
45	36	27
55	29	25
65	3	14
75	3	5
85	0	1
95	0	

Beam Distribution: 115°
Spacing Criteria: 1.3

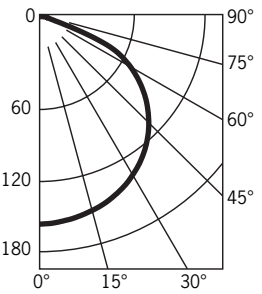
TLT12V33K12

Designed for 50,000 Hour Lamp Life[1]; LM Test No. 87096

Light Output (Fixture Lumens): 442
Total Watts@120V: 6.4
Lumens Per Watt: 69.1
Color Rendering Index (CRI)[1]: 80
Color Temperature (CCT)[2]: 3042K
Spectral Power Distribution Chart[3]



Candela Curve



Tape mounted in vertical base-up position

Candlepower Summary

FROM 0	CANDELA	LUMENS
0	158	
5	157	15
15	154	43
25	146	67
35	133	82
45	116	88
55	93	81
65	17	48
75	7	16
85	1	3
95	0	0

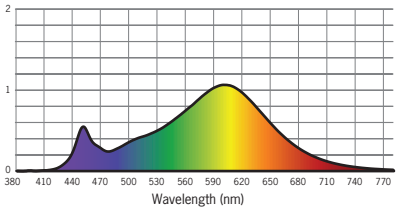
Beam Distribution: 116°
Spacing Criteria: 1.3

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

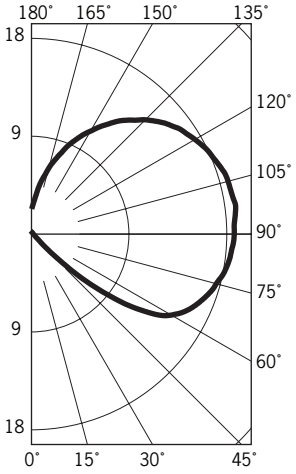
TLS12V13K12

Designed for 50,000 Hour Lamp Life*; LM Test No. 87092

Light Output (Fixture Lumens): 51.8
Total Watts@120V: 0.94
Lumens Per Watt: 55.2
Color Rendering Index (CRI)[1]: 80
Color Temperature (CCT)[2]: 3025K
Spectral Power Distribution Chart[3]



Candela Curve



Tape mounted aimed at the horizon

Candlepower Summary

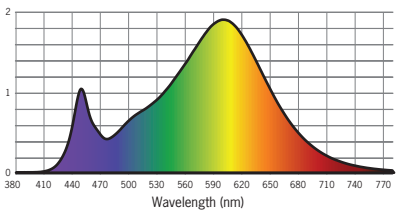
FROM 0	CANDELA	LUMENS
0	0	
5	0	0
15	0	0
25	0	0
35	0	0
45	4	1
55	13	2
65	16	4
75	18	5
85	18	6
95	19	6

Beam Distribution: 104°

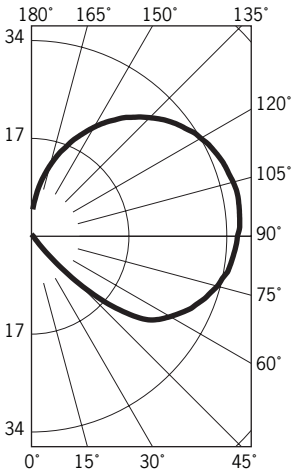
TLS12V23K12

Designed for 50,000 Hour Lamp Life*; LM Test No. 87094

Light Output (Fixture Lumens): 103
Total Watts@120V: 1.76
Lumens Per Watt: 58.5
Color Rendering Index (CRI)[1]: 80
Color Temperature (CCT)[2]: 3066K
Spectral Power Distribution Chart[3]



Candela Curve



Tape mounted aimed at the horizon

Candlepower Summary

FROM 0	CANDELA	LUMENS
0	0	
5	0	0
15	0	0
25	0	0
35	1	0
45	13	2
55	25	5
65	30	8
75	33	10
85	35	11
95	36	12

Beam Distribution: 109°

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors generated by the light source

All specifications subject to change without notice.

6" STEM 47
6" STEM (A) 47
8T FRT INSERT 38, 42
12" STEM 47
12" STEM (A) 47
18-2 SOL CL2P 189
18" STEM 47
18" STEM (A) 47
24" STEM 47
24" STEM (A) 47
30" STEM 47
30" STEM (A) 47
36" STEM 47
36" STEM (A) 47
48" STEM 47
48" STEM (A) 47
BL3JM 194
BL3SC 194
C2302 102
C2302SQ 102
C2304 102
C2304SQ 102
C2304SQWL 102
C2304WL 102
C2305 102
C2305SQ 102
C4321 111
C4321SQ 117, 118, 119, 120
C4322 111
C4322SQ 117, 118, 119, 120
C4323 111
C4327 111
C6321 126
C6322 126
C6323 126
C6327 126
CGL8 82
CGL12 82, 83
CI6 92
CI8 93
CIP60-USF 50
CM2L 154
CMR2 154
COUPLING 47
CPL 81
CRS8 70
CRS8-3QRCD 70
CRS8-DQRCD 70
CRS8-LVTQRD 70
CRS8-LVTQRD1 50
CRS8-ODYQRD 70
CRS8-ODYQRD1 66
CRS8-QRCD 70
CRS8-TQRCD 70
CRS-LVTQR 50
CRS-SP130 63
CST2322L 101
CST2322LSQ 101
CTG1 75
CTG2 75
CTG3 75
CTG4 75
CTG61 75
CTL18 H 16
CTL18 V 16
CTL84C 8
CTL84X 9
CTL116ML 21
CTL170 17
CTL171 17
CTL216GU10ML 20
CTL230ML 31
CTL603AML 28
CTL603ML 32
CTL610ML 36
CTL800 17
CTL806 11
CTL816GU10ML 20
CTL820NML 26
CTL825 H 13
CTL825 V 12
CTL830ML 29
CTL838/2ML 34
CTL844A 10
CTL845A 10
CTL1216ML 22
CTL2016ML 22
CTL2820ML 25
CTL2830ML 29
CTL2838NML 34
CTL6130ML 28
CTL6838ML 36
CTL8016GU10ML 21
CTL8020ML 24
CTL8038ML 35
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CTL8071 19
CTL8072 19
CTL8073 19
CTL8081H 18
CTL8120ML 25
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CTL802818LH 15
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CTR302 105
CTR302SQ 106
CTR303N 105
CTR304 105
CTR305 105
CTR305SQ 106
CTR306 105
CTR306SQ 106
CTR307 105
CTR310 105
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