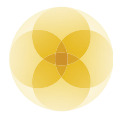
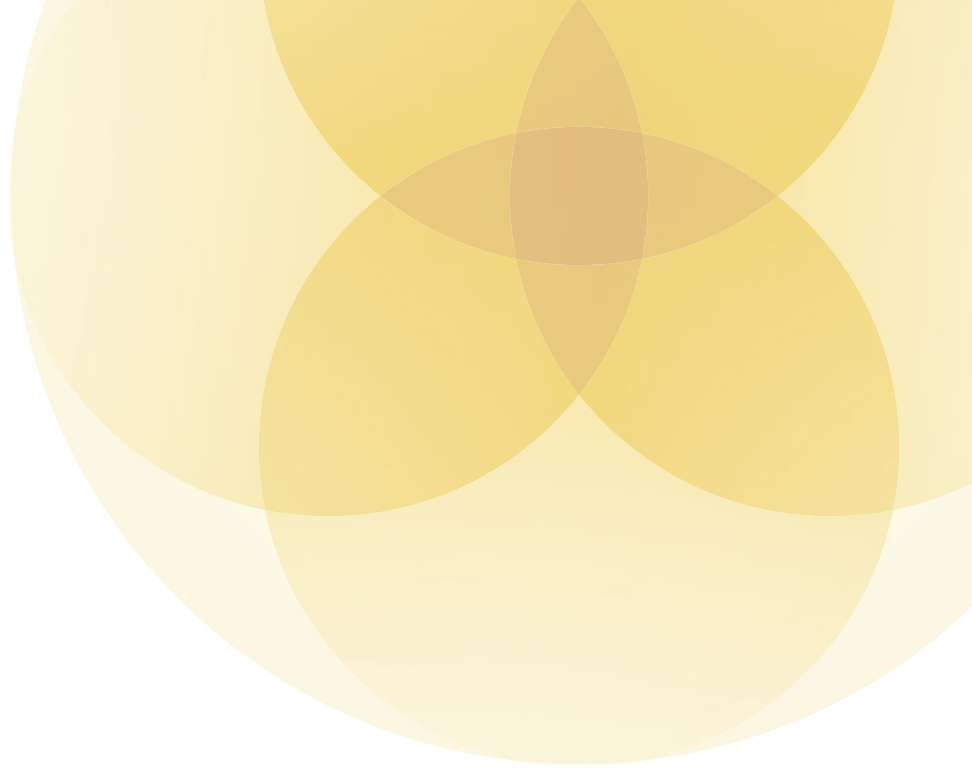


**AMBIANCE**  
Lighting Systems

[ambiance-lighting.com](http://ambiance-lighting.com)



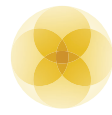


**AMBIANCE**  
Lighting Systems

At Ambiance® Lighting Systems we are focused on engineering and producing high quality, easy to install, completely configurable lighting systems for use in residential, commercial and architectural applications.

No matter whether you are an experienced lighting professional or a first time home owner, our systems are designed to be easily configured and installed for just the right lighting effect. We introduced the first low-voltage undercabinet lighting system in 1993 and continue our innovation with the launch of this catalog and over 200 new LED products in multiple configurable systems.





# AMBIANCE

Lighting Systems

LX CABLE SYSTEM	4
24V DC LED TAPE LIGHTING	28
12/24V AC LED TAPE LIGHTING	36
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INDOOR / OUTDOOR LED STEP & BRICK LIGHTING	84
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# LX CABLE SYSTEM

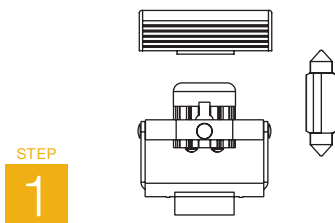




# LX CABLE SYSTEM

The Ambiance Lx Cable System is our premier lighting solution giving users the utmost flexibility to easily design and install customized lighting to meet the specific needs of their space. Simply identify the length of run for which you will need cable, select a transformer and choose the lamping modules best suited for your application. Our Lx System is uniquely engineered so that you can mix and match any of our lamping modules on the same system and the snap-on design enables quick installation and the ability to adjust over time as lighting needs or preferences change.

## CONFIGURE YOUR SYSTEM

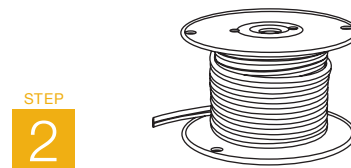


STEP  
**1**

### CHOOSE LAMPS & LAMP HOLDERS

Select from a variety of low profile linear lamps and lamp holders that suit your application.

P. 8



STEP  
**2**

### SELECT CABLE

Specially designed 105°C easy piercing cable available in 25' to 1,000' spools. Indoor and outdoor rated available.

P. 24

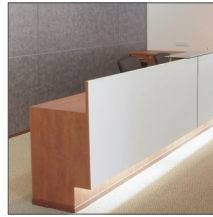


## DESIGN GUIDELINES

The Ambiance® Lx Cable Lighting System is the versatile choice for linear lighting in a home or commercial setting. With our self-piercing lampholders and modules, you can easily position your luminaries where you need them along a run of Lx Cable to achieve the perfect lighting effect.



COVE



TOE KICK



UNDER CABINET



IN CABINET



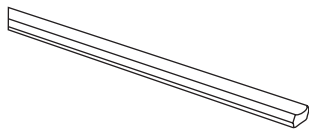
TASK / ACCENT



UNDER COUNTER

## CONFIGURE YOUR SYSTEM

STEP  
3

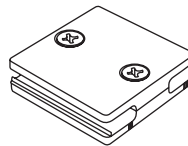


### SELECT TRACK

4' Noryl® track section may be easily cut to desired length.

P. 24

STEP  
4

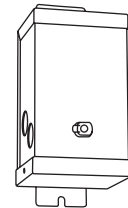


### SELECT COMPONENTS

Additional components are available including screws, track clips, tape, track covers, connectors etc.

P. 25

STEP  
5



### SELECT TRANSFORMER

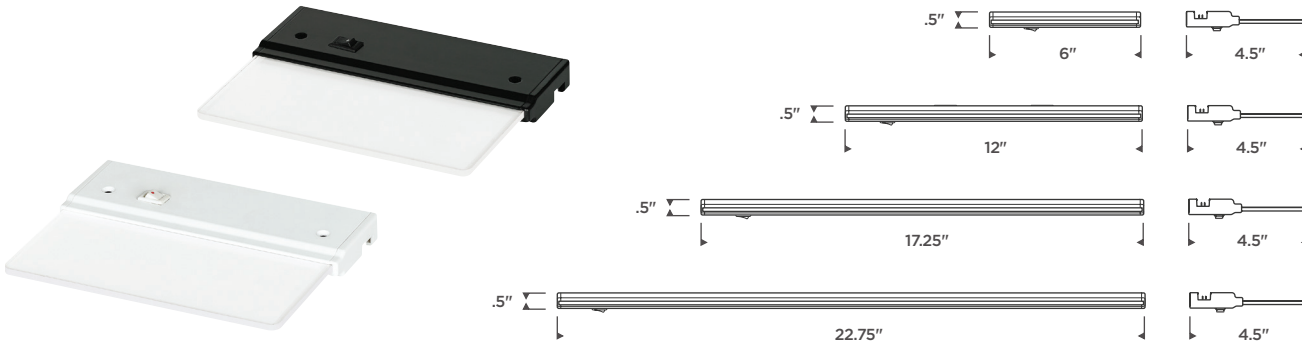
Electronic and magnetic, 12v or 24v, 30w up to 1000w output.

P. 26

# 1 CHOOSE A LAMP

## GLYDE LED MODULE

These snap on LED modules for the Lx Cable system are great for commercial and residential applications. They feature a 95 CRI to accurately show the true color of food or merchandise, utilize light guide LED technology for even illumination without the reflection of LED pixels on polished stone countertops and are easy to conceal at only 1/2" in height.



**NOTE:** Glyde modules do not require lampholders. See page 24 to select cable.

## ORDERING GRID

ITEM NUMBER	98825S(-xx)	98826S(-xx)	98828S(-xx)	98829S(-xx)	98831S(-xx)	98832S(-xx)	98834S(-xx)	98835S(-xx)
FINISH	(-12) Black & (-15) White		(-12) Black & (-15) White		(-12) Black & (-15) White		(-12) Black & (-15) White	
LENGTH	6"		12"		18"		23"	
COLOR TEMPERATURE	2700K	3000K	2700K	3000K	2700K	3000K	2700K	3000K
VOLTAGE	12v AC							
LUMENS (@ 3000K)	310		617		862		1100	
POWER CONSUMPTION <sup>(1)</sup>	7.5w		15w		21.5w		28w	
EFFICACY	44 lm/w		44 lm/w		43 lm/w		42 lm/w	
COLOR RENDERING INDEX	95 CRI		95 CRI		95 CRI		95 CRI	
RATED AVERAGE LIFE	50,000 hours to 70%							
DIMMABLE <sup>(2)</sup>	Down to 10%							
INSTALLATION	Glyde modules snap onto the Lx track and Cable and can be secured using the included screws or with our available double-faced tape (#9450)							
SPACING	1" between each module							
CERTIFICATION	cETL for Dry Locations							

<sup>(1)</sup> Use these figures when sizing your zero-load electronic transformer. Actual consumption will vary based on length of run.

<sup>(2)</sup> Ambiance Glyde LED Modules are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

PHOTOMETRICS<sup>(1)</sup>

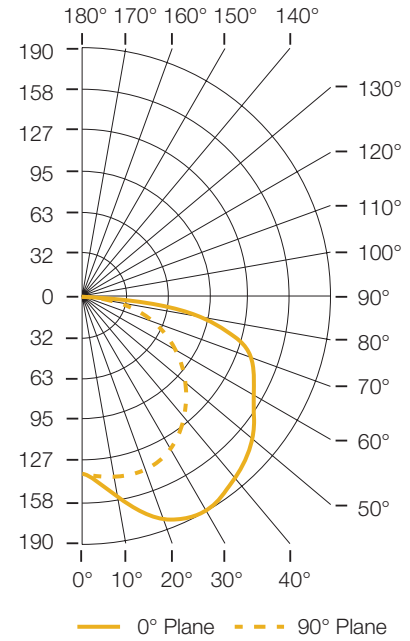
ZONAL LUMEN SUMMARY

ZONE (DEGREES)	LUMENS	% OF LAMP
0° – 30°	125.3	20.5
0° – 40°	216.5	35.5
0° – 60°	422	69.2
0° – 90°	603.9	99
60° – 90°	181.9	29.8
90° – 180°	6.2	1
0° – 180°	610.1	100

AVERAGE LUMINANCE TABLE (cd/m<sup>2</sup>)

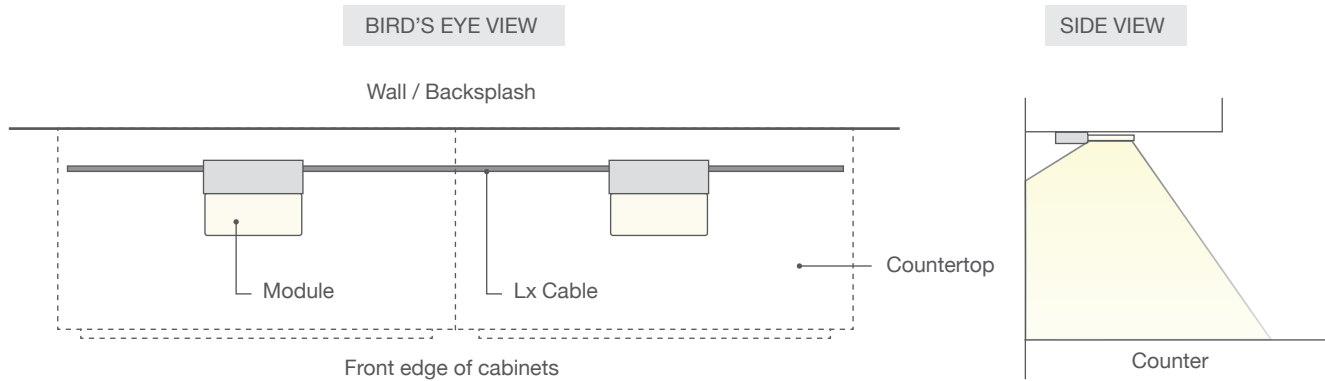
VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0°	45°	90°
0°	136	136	136
45°	175	146	112
55°	159	125	92
65°	142	100	69
75°	119	72	44
85°	44	25	11

POLAR CANDELA CHART

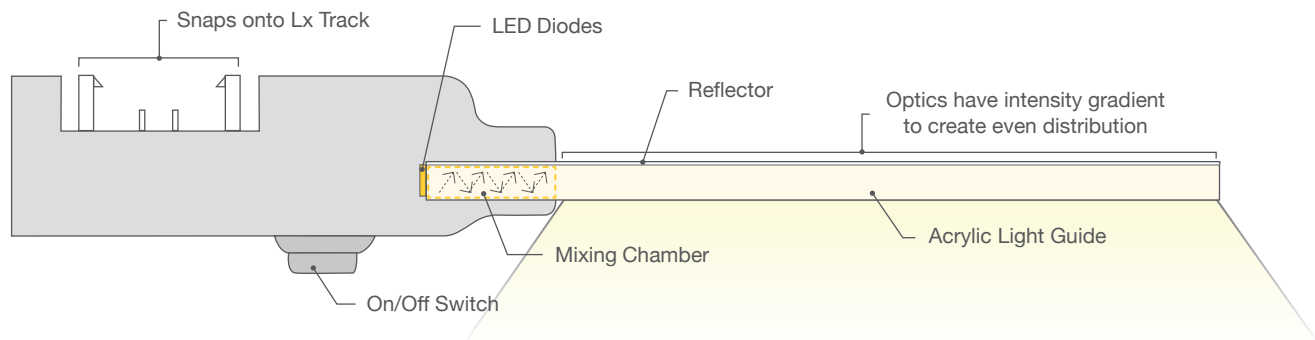


<sup>(1)</sup> Photometry based on (1) 98829S-12 module

PLACEMENT OF LX CABLE AND MODULE

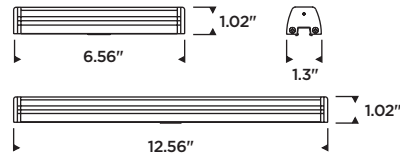


PROFILE VIEW OF MODULE



## APSE LED COVE MODULES

The Apse LED Cove Modules make achieving the perfect cove, wall washing, under cabinet or on-top of cabinet lighting effect much easier. Available in 6" and 12" lengths, these modules snap onto our Lx Cable and can be aimed 30 degrees front to back. With the added benefit of 20 or 60° beam angles and outputs of up to 400 lumens, it's ideal for lighting spaces of all different shapes and sizes.



**NOTE:** Apse modules do not require lampholders. See page 24 to select cable.

## ORDERING GRID

ITEM NUMBER	98431S(-xx)	98436S(-xx)	98461S(-xx)	98466S(-xx)	98432S(-xx)	98437S(-xx)	98462S(-xx)	98467S(-xx)
FINISH	(-12) Black and (-15) White Metal							
LENGTH	6"				12"			
COLOR TEMPERATURE	2700K	3000K	2700K	3000K	2700K	3000K	2700K	3000K
VOLTAGE	24v AC							
BEAM SPREAD	20°	20°	60°	60°	20°	20°	60°	60°
LUMENS (@ 3000K) <sup>(1)</sup>	200				400			
POWER CONSUMPTION	5w				9w			
EFFICACY	40 lm/w				44 lm/w			
COLOR RENDERING INDEX	90 CRI							
RATED AVERAGE LIFE	50,000 hours to 70%							
DIMMABLE <sup>(2)</sup>	Down to 10%							
MAX ADJUSTABLE ROTATION	30° from up position to front or back							
INSTALLATION	Cove lighting modules snap onto the Lx track with groove adjacent to lens facing the wall							
SPACING	1" between each module							
CERTIFICATION	cETL listed for Dry Locations							

<sup>(1)</sup> For LM-79 report please visit [Ambiance-Lighting.com](http://Ambiance-Lighting.com).

<sup>(2)</sup> Ambiance Apse LED Cove Modules are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

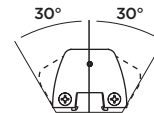
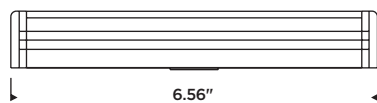
## INSTALLATION GUIDE

The Apse cove module was designed for even illumination on vertical surfaces where cove lighting is desired. Simply identify your ceiling type from the chart below and follow the corresponding spacing guidelines for the perfect, scallop free, cove lighting.

	TYPICAL COVE	HIGH CEILING	STUDIO/VAULTED CEILING
RECOMMENDED BEAM SPREAD	60°	20°	20°
MINIMUM SPACING	1"	1"	1"
MAXIMUM SPACING (BEFORE SCALLOPING)	3"	3"	3"
INSTALL SUGGESTIONS	Aim module toward wall to accent cove. Aim toward ceiling to light the room.	Adjust light to evenly graze the wall.	Switching to module with 60 degree beam spread will help fill the room with light.

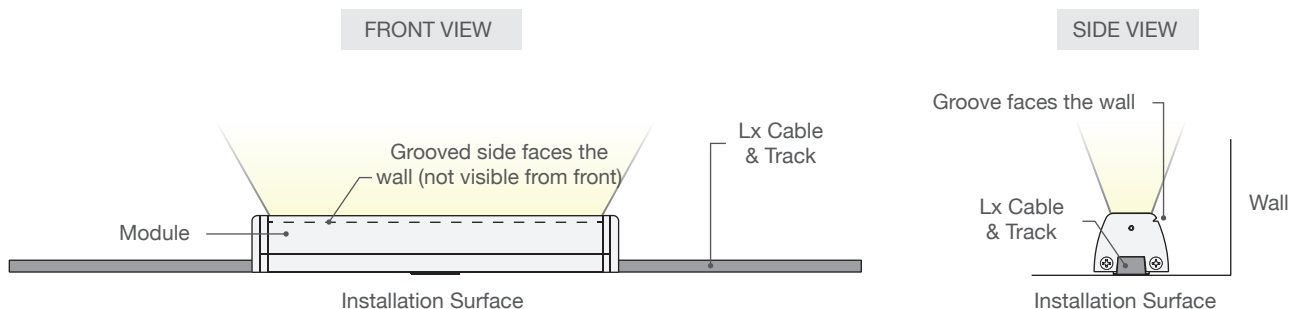
## APPLICATION GUIDE

98431S shown



Front/Back

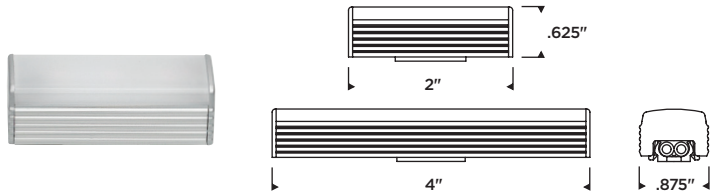
## PLACEMENT OF MODULE



# 1 CHOOSE A LAMP

## HIGH OUTPUT LED MODULE

The miniature, high output LED modules can be used with 12v or 24v Ambiance Lx Cable Systems powered by magnetic low-voltage or electronic low-voltage transformers. Simply snap the high output LED modules onto Lx track and cable to provide a generous amount of illumination without the need for a lampholder. These high intensity LED modules utilize wider recommended spacing than our festoons while still providing even surface illumination.



**NOTE:** High Output Modules do not require lampholders. See page 24 to select cable.

## ORDERING GRID

ITEM NUMBER (12V)	98700S-986	98701S-986	98702S-986	98703S-986
ITEM NUMBER (24V)	98800S-986	98801S-986	98802S-986	98803S-986
LENGTH	2"		4"	
COLOR TEMPERATURE	2700K	3000K	2700K	3000K
VOLTAGE	12v AC or 24v AC			
FINISH	Tinted Aluminum			
GLASS FINISH	Frosted			
LUMENS	85	90	220	230
POWER CONSUMPTION	1.7w		4w	
EFFICACY	50 lm/w	53 lm/w	55 lm/w	58 lm/w
COLOR RENDERING INDEX	90 CRI			
RATED AVERAGE LIFE	50,000 hours to 70%			
DIMMABLE <sup>(1)</sup>	Down to 10%			
INSTALLATION	High Output LED Modules snap onto the Lx track			
RECOMMENDED SPACING	6" on center (1" minimum separation)		12" on center (1" minimum separation)	
CERTIFICATION	ETL			

<sup>(1)</sup> Ambiance High Output LED Modules are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

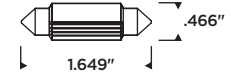


LX CABLE SYSTEM

# 1 CHOOSE A LAMP & LAMPHOLDER

## LED FESTOON

Upgrade to our Ambiance Lx LED Festoons from our 5w Xenon Festoons and realize an energy savings of over 80% without compromising light output. Lx LED Festoons snap into Lx Festoon Lampholders (sold separately), making retrofitting of existing systems easy. For new systems, pick a matching Lx Festoon Lampholder and clip them onto your Lx Cable and Track. Lx LED Festoons are available in 2700, 3000, and 4000K, in both 12 and 24v.



**NOTE:** Lamps in chart below only compatible with Festoon Lampholder 9830 and Festoon Adjustable Lampholder 94323 (page 15).

ITEM NUMBER	96116S(-xx)	96117S(-xx)	96118S(-xx)	96120S(-xx)	96119S(-xx)	96121S(-xx)
FINISH	(-32) Clear and (-33) Frosted					
COLOR TEMPERATURE	2700K		3000K		4000K	
VOLTAGE	12v AC	24v AC	12v AC	24v AC	12v AC	24v AC
LUMENS	59		60		62	
POWER CONSUMPTION	.708w		.708w		.708w	
EFFICACY	83 lm/w		85 lm/w		88 lm/w	
COLOR RENDERING INDEX	>90 CRI		>90 CRI		>85 CRI	
RATED AVERAGE LIFE	50,000 hours to 70%					
DIMMABLE <sup>(1)</sup>	Down to 10%					
LAMP BASE	Festoon					
RECOMMENDED SPACING	4" on center (1" minimum separation)					
CERTIFICATION	cETL, damp rated					

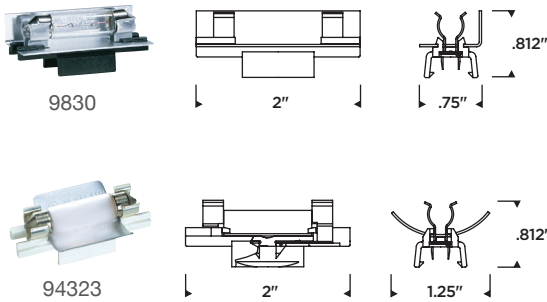
<sup>(1)</sup> Ambiance Lx LED Festoons are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See pg. 114 for more on dimming.



# CHOOSE A LAMP & LAMPHOLDER

## FESTOON LAMP HOLDERS

For use with our highly specified LED and xenon festoons, Ambiance Lx Festoon Lampholders feature a high quality reflector and base for directing light where you need it. Choose from our Accent Task Socket for general applications that require crisp linear lighting or our Adjustable Lampholder for a wider diffused beam of light. Each lampholder snaps onto Lx Track and Cable with ease and can be spaced based on your criteria.



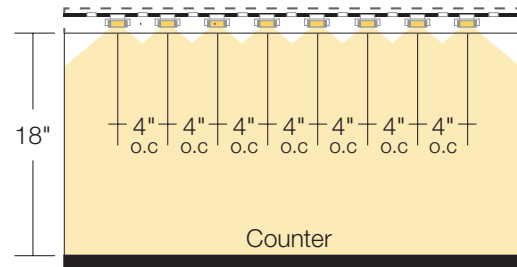
**NOTE:** After selecting lamp source and lampholder, proceed to page 24 to select cable.

ITEM NUMBER	9830(-xx)	94323(-xx)
REFLECTOR	"L" Accent Task Socket	Adjustable Wide Beam
VOLTAGE	12v and 24v AC	
LAMP BASE	Festoon	
CERTIFICATION	cETL, damp rated	
MAX. WATTAGE	(1) 10w Xenon Festoon (1) LED Festoon	
RECOMMENDED MIN. SPACING	2" on center (5w Xenon) 4" on center (LED Festoon)	
MATERIAL / FINISH	(-12) Black and (-15) White Heat resistant polycarbonate base and anodized aluminum reflector	

## APPLICATION GUIDE

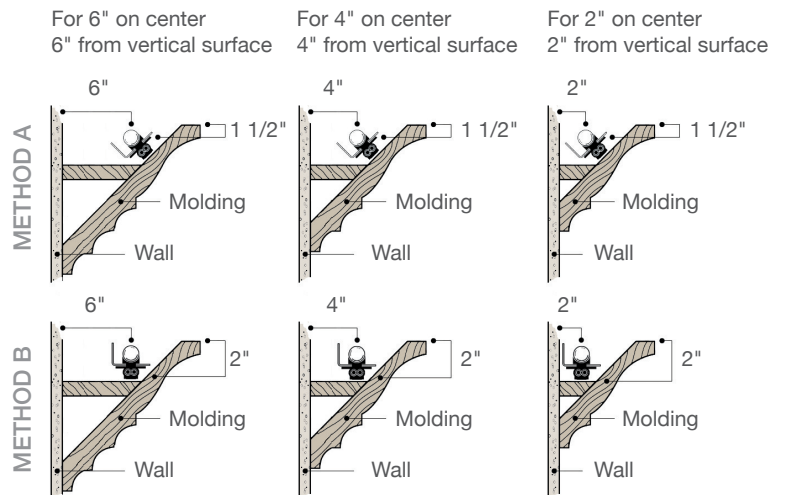
APPLICATION	RECOMMENDED SPACING ON CENTER	SUGGESTED LAMP SOURCE(S)
Above Cabinet	6" - 12"	LED Festoon
Under Cabinet	2" - 6"	LED Festoon
Inside Cabinet	1 - 2 per shelf	LED Festoon
Toe Space	4"	LED Festoon
Showcase	4" - 6"	LED Festoon
Cove	2" - 6"	LED Festoon

BEAM DISTRIBUTION  
(LED Festoon)



Choose either Method "A" or "B" for even illumination on a vertical surface where cove lighting is desired. These easy to use spacing guidelines assure even vertical illumination when the suggested spacing and distances are followed.

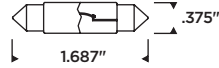
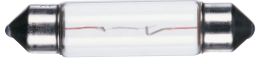
Method A: Lighting system installed on angled surfaces.  
Method B: Lighting system installed on horizontal (flat) surfaces.



## CHOOSE A LAMP &amp; LAMPHOLDER

## XENON FESTOON

Ambiance Lx Xenon Festoons revolutionized the under cabinet lighting industry and continue to be an industry standard. They are available in 5, 7 and 10w and 12 or 24v. Choose from a wide beam or directional lampholder to easily position light where you need it (lampholder sold separately).



**NOTE:** Lamps in chart below only compatible with Festoon Lampholder 9830 and Festoon Adjustable Lampholder 94323 (page 17).

ITEM NUMBER	97118(-xx)	97119(-xx)	97120(-xx)	97121(-xx)	97122(-xx)
COLOR TEMPERATURE	2550K	2650K	2550K	2650K	2420K
VOLTAGE	12v AC	12v AC	24v AC	24v AC	24v AC
RATED WATTS	5 watts	10 watts	5 watts	10 watts	7 watts
FINISH	(-32) Clear and (-33) Frosted				(-33) Frosted
LUMENS	33	83	33	83	46
POWER CONSUMPTION	4.2w	8.4w	4.2w	8.4w	6.7w
EFFICACY	8 lm/w	10 lm/w	8 lm/w	10 lm/w	7 lm/w
COLOR RENDERING INDEX	>90 CRI				
RATED AVERAGE LIFE	16,000 hours	12,000 hours	16,000 hours	12,000 hours	95,000 hours
DIMMABLE	Yes				
LAMP BASE	Festoon				
RECOMMENDED SPACING	4" on center (1" minimum separation)				

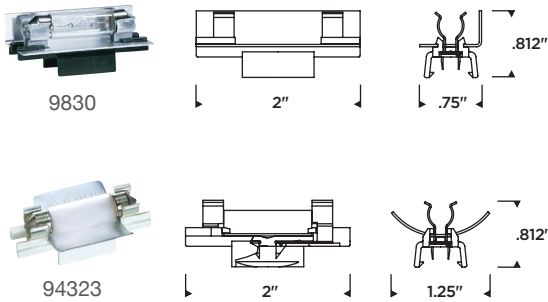
## FOOTCANDLE &amp; SPACING CHART

LAMP ITEM #	LAMPHOLDER SPACING	DISTANCE TO ILLUMINATED SURFACE				
		6"	12"	18"	24"	30"
97118(-xx) (5w, 12v)	2"	114	52	24	14	10
	4"	71	32	15	8.9	6.4
	6"	64	29	13	8	5.7
	8"	57	26	12	7.1	5.1
97120(-xx) (5w, 24v)	10"	51	23	11	6.3	4.5
	12"	45	20	9.5	5.6	4.0
	4"	179	81	38	22	16
97119(-xx) (10w, 12v)	6"	160	72	34	20	14
	8"	142	64	30	18	13
97121(-xx) (10w, 24v)	10"	128	58	27	16	11
	12"	114	52	24	14	10

# CHOOSE A LAMP & LAMPHOLDER

## FESTOON LAMP HOLDERS

For use with our highly specified LED and xenon festoons, Ambiance Lx Festoon Lampholders feature a high quality reflector and base for directing light where you need it. Choose from our Accent Task Socket for general applications that require crisp linear lighting or our Adjustable Lampholder for a wider diffused beam of light. Each lampholder snaps onto Lx Track and Cable with ease and can be spaced based on your criteria.



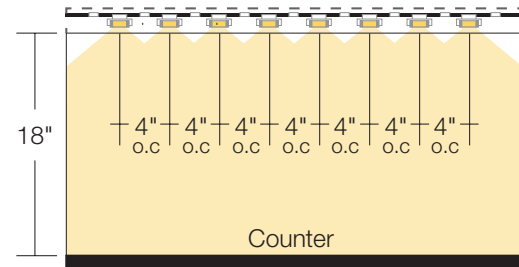
**NOTE:** After selecting lamp source and lampholder, proceed to page 24 to select cable.

ITEM NUMBER	9830(-xx)	94323(-xx)
REFLECTOR	"L" Accent Task Socket	Adjustable Wide Beam
VOLTAGE	12v and 24v AC	
LAMP BASE	Festoon	
CERTIFICATION	cETL, damp rated	
MAX. WATTAGE	(1) 10w Xenon Festoon (1) LED Festoon	
RECOMMENDED MIN. SPACING	2" on center (5w Xenon) 4" on center (LED Festoon)	
MATERIAL / FINISH	(-12) Black and (-15) White Heat resistant polycarbonate base and anodized aluminum reflector	

## APPLICATION GUIDE

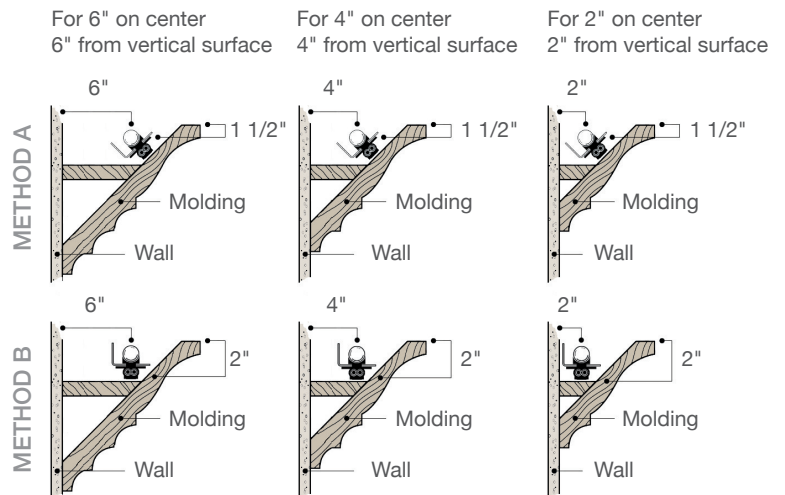
APPLICATION	RECOMMENDED SPACING ON CENTER	SUGGESTED LAMP SOURCE(S)
Above Cabinet	6" - 12"	LED Festoon
Under Cabinet	2" - 6"	LED Festoon
Inside Cabinet	1 - 2 per shelf	LED Festoon
Toe Space	4"	LED Festoon
Showcase	4" - 6"	LED Festoon
Cove	2" - 6"	LED Festoon

### BEAM DISTRIBUTION (LED Festoon)



Choose either Method "A" or "B" for even illumination on a vertical surface where cove lighting is desired. These easy to use spacing guidelines assure even vertical illumination when the suggested spacing and distances are followed.

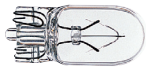
Method A: Lighting system installed on angled surfaces.  
Method B: Lighting system installed on horizontal (flat) surfaces.



# 1 CHOOSE A LAMP & LAMPHOLDER

## WEDGE BASE

Ambiance Lx Wedge Base Lamps provide illumination for a varied list of applications. Where maximum illumination is required, couple high wattage incandescent or xenon wedge base lamps with the Lx Lampholder (9433). Lx Wedge Base Lamps add another level of versatility to Ambiance Lighting Systems.



T3¼



T5


**NOTE:**

Lamps in chart below only compatible with Wedge Base Lampholder 9433 (pg. 19). Lamps in second chart below only compatible with Two Light Wedge Base Lampholder 9428 (pg. 19).

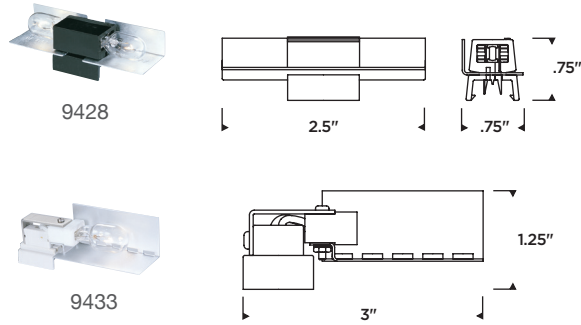
ITEM NUMBER	9774	9775	9776	9777	9778
LAMP TYPE	T5 Xenon		T5 Incandescent		
COLOR TEMPERATURE	2800K	2800K	2650K	2750K	2800K
VOLTAGE	12v AC	24v AC	12v AC	12v AC	12v AC
RATED WATTS	18w	18w	8w	12w	18w
LUMENS	210	210	57	120	210
POWER CONSUMPTION	16.2w	16.2w	8w	11.6w	16.2w
EFFICACY	13 lm/w	13 lm/w	7 lm/w	10 lm/w	13 lm/w
COLOR RENDERING INDEX	>90 CRI				
RATED AVERAGE LIFE	10,000 hours	2,000 hours	2,500 hours	2,000 hours	2,000 hours
DIMMABLE	Yes				
LAMP BASE	Wedge				
MINIMUM SPACING	6" on center				

ITEM NUMBER	9727	9728	9729	9731	9732
LAMP TYPE	T3¼ Incandescent			T3¼ Xenon	
COLOR TEMPERATURE	2200K	2300K	2450K	2400K	2550K
VOLTAGE	12v AC	12v AC	12v AC	12v AC	12v AC
RATED WATTS	3w	5w	5w	3w	5w
LUMENS	8	23	26	15	33
POWER CONSUMPTION	2.1w	4w	3.9w	2.7w	4.2w
EFFICACY	4 lm/w	6 lm/w	7 lm/w	6 lm/w	8 lm/w
COLOR RENDERING INDEX	>90 CRI				
RATED AVERAGE LIFE	20,000 hours	9,000 hours	2,000 hours	19,000 hours	8,000 hours
DIMMABLE	Yes				
LAMP BASE	Wedge				
MINIMUM SPACING	4" on center				

# CHOOSE A LAMP & LAMPHOLDER

## WEDGE BASE LAMP HOLDERS

For use with our xenon and incandescent wedge base lamps, Ambiance Lx Wedge Base Lampholders feature a high quality reflector for minimizing light loss from your selected lamps. Choose from either our two lamp socket or our high illumination, single socket lampholders based on the needs of your application. Each lampholder snaps onto Lx Track and Cable with ease and can be spaced based on your criteria and lamp source (sold separately).



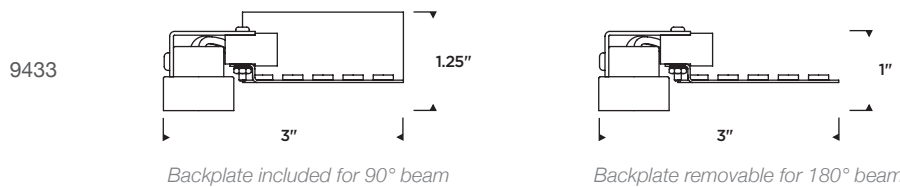
**NOTE:** After selecting lamp source and lampholder, proceed to page 24 to select cable.

ITEM NUMBER	9433(-xx)	9428(-xx)
REFLECTOR	High illumination breakaway for 90° or 180° beam	Two lamp socket, ideal for cove lighting
VOLTAGE	12v and 24v AC	12v and 24v AC
CERTIFICATION	cETL, damp rated	cETL, damp rated
LAMP TYPE	T5 Wedge	T3¼ Wedge
MAX. WATTAGE	(1) 18w incandescent or xenon	(2) 5w incandescent or xenon
MIN. SPACING	6" on center	4" on center
MATERIAL / FINISH	(-15) White breakaway anodized aluminum reflector and heat resistant polycarbonate.	(-12) Black and (-15) White anodized aluminum reflector and heat resistant polycarbonate.

## APPLICATION GUIDE

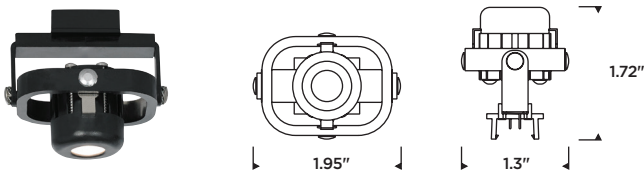
APPLICATION	RECOMMENDED SPACING ON CENTER	SUGGESTED LAMP SOURCE(S)
Above Cabinet	2" - 4"	3w-5w Incandescent or Xenon
Under Cabinet	6"	8w-18w Incandescent or Xenon
Inside Cabinet	1 - 2 per shelf	3w-5w Incandescent or Xenon
Toe Space	2" - 4"	3w-5w Incandescent or Xenon
Showcase	6"	8w-18w Incandescent or Xenon
Cove	4"	3w-5w Incandescent or Xenon

## REFLECTOR OPTIONS



## DELL'ARTE DIRECTIONAL MODULES

Inspired by theater stage lights, these miniature directional LED heads enable you to easily aim light to emphasize certain areas or objects. Whether you want to highlight a statue you have out on your shelf or just provide directional lighting under your cabinet, the Dell'Arte LED module is a quick and easy accent to your Lx Cable system.



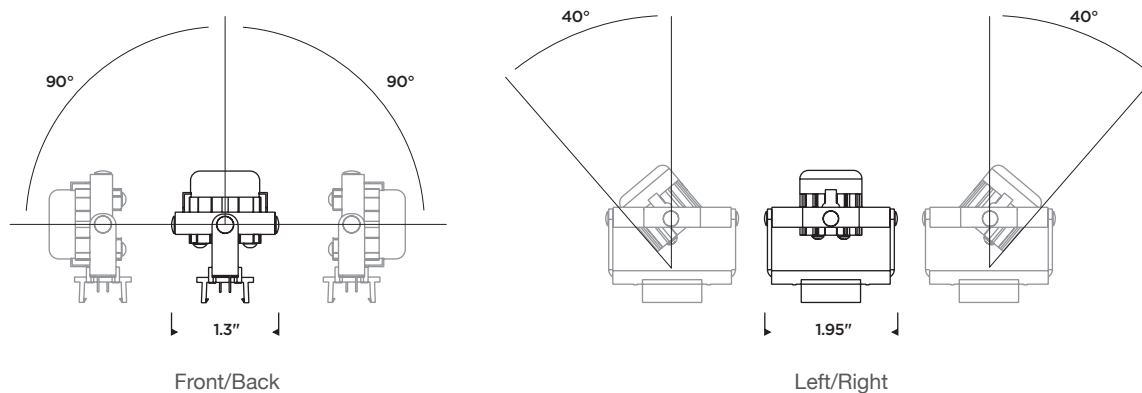
**NOTE:** Dell'arte modules do not require lampholders. See page 24 to select cable.

ITEM NUMBER	98321S(-xx)	98326S(-xx)	98322S(-xx)	98327S(-xx)
FINISH	(-12) Black and (-15) White			
COLOR TEMPERATURE	2700K	3000K	2700K	3000K
VOLTAGE	12v AC			
BEAM SPREAD	25°		60°	
LUMENS <sup>(1)</sup>	65			
POWER CONSUMPTION	1.5w			
EFFICACY	46 lm/w			
COLOR RENDERING INDEX	>90 CRI			
RATED AVERAGE LIFE	50,000 hours to 70%			
DIMMABLE	Down to 10%			
MAX ADJUSTABLE ROTATION	90° front/back from center. 40° right/left from center			
INSTALLATION	Directional modules snap onto the Lx track			
MINIMUM SPACING	1" between each module			
CERTIFICATION	cETL listed for Dry Locations			

<sup>(1)</sup> For LM-79 report please see [Ambiance-Lighting.com](http://Ambiance-Lighting.com).

Ambiance Dell'Arte Modules are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

## APPLICATION GUIDE





LX CABLE SYSTEM

## CHOOSE A LAMP &amp; LAMPHOLDER

## MRC11 / MR16

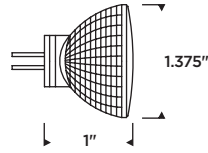
Our selection of MRC11/MR16 GU4 base lamps add directional accent lighting to the list of options for your Ambiance Lx Cable System. Highlight areas of interest along your linear run with adjustable lampholders for added precision (lampholders sold separately).



MRC11 Halogen



MR16 LED



Halogen line art shown

**NOTE:** Lamps in chart below only compatible with MRC11/MR16 Adjustable Lampholder 9835 (page 23).

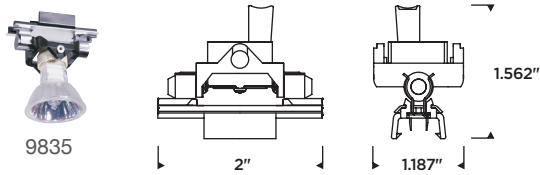
ITEM NUMBER	9787	9789	97004	97457S
LAMP TYPE	MRC11 Halogen			MR16 LED
COLOR TEMPERATURE	3000K			3000K
VOLTAGE	12v AC	12v AC	24v AC	12v
BEAM SPREAD	NSP 10°	NFL 30°	NFL 30°	FL 45°
LUMENS	10	30	30	450
WATTS CONSUMED	20w			7w
EFFICACY	0.5 lm/w	1.5 lm/w	1.5 lm/w	64 lm/w
COLOR RENDERING INDEX	>90 CRI			80 CRI
RATED AVERAGE LIFE	2,000 hours			50,000 hours to 70%
DIMMABLE	Yes			
LAMP TYPE	MRC11 Halogen			MR16 LED
MIN. SPACING	6" on center			



## CHOOSE A LAMP &amp; LAMPHOLDER

## MRC11 / MR16 LAMPHOLDERS

Ambiance Lx MRC11/MR16 Lampholders are the perfect solution for providing accent, spot or task lighting from your Lx Cable System. Adjustable swivel sockets offer complete control of your chosen lamps. You can add Lx MRC11/MR16 Lampholders to any Ambiance Lx System with ease by snapping them onto your track and cable.

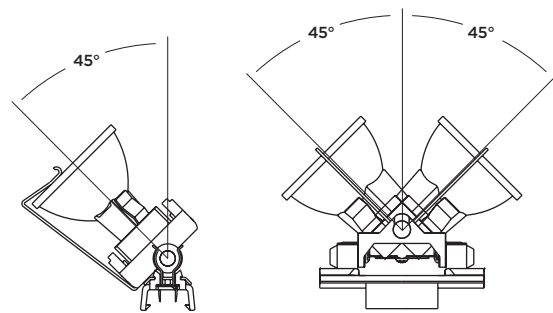
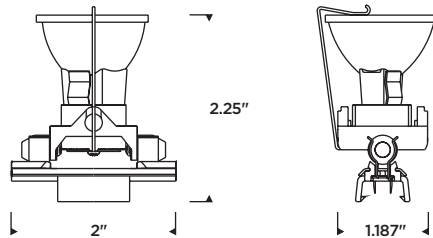
**NOTE:**

After selecting lamp source and lampholder, proceed to page 24 to select cable.

ITEM NUMBER	9835(-xx)
VOLTAGE	12v and 24v AC
MAX. ADJUSTABLE ROTATION	45° front/back 45° left/right
CERTIFICATION	cETL, damp rated
LAMP BASE	GU4 Bi-Pin
MAX. WATTAGE	(1) 20w MRC11 Halogen (1) 6w MR16 LED
MIN. SPACING	6" on center
MATERIAL / FINISH	(-12) Black and (-15) White Heat resistant polycarbonate base and ceramic socket

## APPLICATION GUIDE

9835  
shown with  
MRC11 lamp



Front/Back

Left/Right

STEP

## 2 SELECT CABLE

Spools of cable specially designed with easy piercing, self-sealing insulation over stranded copper wire for use with Ambiance Lx Cable Lighting System. Markings for lampholder placement every 2". Designed to be mounted in Ambiance Lx Track.



### INDOOR 25' SPOOL<sup>(1)</sup>

**9469-12**, black finish  
**9469-15**, white finish

L: 25' W: 0.375" H: 0.187"

### INDOOR 500' SPOOL<sup>(1)</sup>

**9472-12**, black finish  
**9472-15**, white finish

L: 500' W: .375" H: .187"

### INDOOR 50' SPOOL<sup>(1)</sup>

**9470-12**, black finish  
**9470-15**, white finish

L: 50' W: .375" H: .187"

### INDOOR 1000' SPOOL<sup>(1)</sup>

**9473-12**, black finish  
**9473-15**, white finish

L: 1000' W: .375" H: .187"

### INDOOR 100' SPOOL<sup>(1)</sup>

**9471-12**, black finish  
**9471-15**, white finish

L: 100' W: .375" H: .187"

<sup>(1)</sup> Lx 10/2 AWG 105° C cable is rated for indoor use only. Maximum wattage per length 300w at 12v; 600w at 24v cable is not rated to run behind walls. Check with local codes.

### OUTDOOR 100' SPOOL<sup>(2)</sup>

**9373-12**, black finish  
**9373-15**, white finish

L: 100' W: .375" H: .187"

<sup>(2)</sup> 9373-12 & -15 AWG 105° C cable is rated for outdoor use only. Maximum wattage is 250w at 12v; 500w at 24v.

STEP

## 3 SELECT TRACK

### TRACK

Noryl<sup>®</sup> track to support cable and lampholders. Use double faced tape (**9450**), track clip (**9438**) or screws (**9862**) through pre-drilled holes to attach track to surface. Track may be flexed, notched, curved and easily cut for various applications.

**9435-12**, black finish  
**9435-15**, white finish

L: 48" W: .5" H: .25"



### TRACK WITH FASCIA PANEL

One piece Noryl<sup>®</sup> fascia panel with integral track to support cable and lampholders. Use under shelves or where system cannot be hidden behind a lip on cabinets. Track/fascia may be easily cut to various lengths. Use double faced tape (**9450**) track clip (**9438**) or screws (**9862**) through pre-drilled holes to attach track/fascia to surface. Use double-faced tape on glass and other smooth surfaces.

**9443-12**, black finish  
**9443-15**, white finish

L: 48" W: .875" H: 1.125"



**TRACK CLIP**

Polycarbonate track mounting clip. Easily snaps on at any point along 9435 track or 9443 track/fascia panel to secure to surface. Space clips according to weight of fixtures, to prevent track from sagging. Includes .375" long #4 screw.

**9438-12**, black finish  
**9438-15**, white finish  
 L: 1" W: .75" H: .343"

**DOUBLE FACED TAPE**

Specially designed "High Adhesion" 3M™ double-faced tape for use with 9435 track and 9443 track/fascia panel. Allow minimum 24 hours curing of adhesive prior to applying power to the circuit.

**9450**, 3M™  
 L: 25' W: .375" H: .031"

**SCREWS**

3/8" long #4 Phillips flat head screws for attaching 9435 track or 9443 track/fascia panel to surface. Each box contains 50 screws.

**9862**, Zinc finish  
 #4 L: .375"

**TAP OFF CONNECTOR**

Polycarbonate tap off connector. Use to tap off of low voltage Ambiance® Cable and create a parallel run for shelving, etc. Corrosion resistant contacts pierce the specially designed Ambiance® cable for electrical connection. Listed 12v and 24v. Wet location 12v only. Maximum wattage after connection on 105°C Ambiance® tap cable: 200w at 12v; 375w at 24v.

**9380-12**, black finish  
**9380-15**, white finish  
 L: 1.5" W: 1.5" H: .437"

**TRACK COVER**

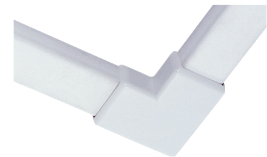
Noryl® track cover to form a concealed race-way or conduit when used with 9435 track. Cover may be cut to fit between lampholders on track to hide cable. Cover snaps onto 9435 track and/or 9443 track/fascia panel.

**9439-12**, black finish  
**9439-15**, white finish  
 L: 48" W: .625" H: .312"

**LEFT OR RIGHT CORNER COVER**

Polycarbonate 90° right or left cover snaps onto 9435 track and 9439 cover to create finished look and a concealed raceway.

**9447-12**, black finish  
**9447-15**, white finish  
 L: 1.25" W: .812" H: .375"

**WALL TO CEILING COVER**

Polycarbonate 90° wall to ceiling cover snaps onto 9435 track and 9439 cover to create a finished look and a concealed raceway.

**9446-12**, black finish  
**9446-15**, white finish  
 L: .875" W: .812" H: .375"

**TRACK END CAP**

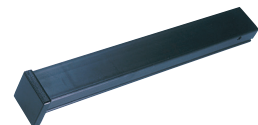
Polycarbonate end cover snaps onto 9435 track and 9439 cover to create a finished look and a concealed raceway.

**9445-12**, black finish  
**9445-15**, white finish  
 L: .812" W: .312" H: .375"

**FASCIA END CAP**

Polycarbonate fascia end cover snaps onto either end of 9443 track/fascia panel to create a finished look and to hide the lighting system when viewed from either end.

**9448-12**, black finish  
**9448-15**, white finish  
 L: 1.25" W: .312" H: 1.187"



## 4 SELECT COMPONENTS

### WIRING COMPARTMENT

Steel wiring compartment with hole for .5" conduit connector, snap on cover and opening for track and cable. Includes terminal block for connection between transformer extension wire (i.e. Romex type) and low voltage cable. Maximum 25 amps.

**9481-12**, black finish

**9481-15**, white finish

L: 2" W: 1.312" H: 1.25"



### MINIATURE WIRING

Compartment / Splicer  
Polycarbonate splicer with cover for connection between transformer extension wire (i.e. Romex) and low voltage cable, or LED Tape Connector. Maximum 25 amps.

**9459-12**, black finish

**9459-15**, white finish

L: 2" W: .968" H: .625"



### FUSED PLUG

For powering multiple Ambiance low voltage luminaires from an Lx Cable System. See page 116 for detailed wiring information.

**9488-12**, black finish

**9488-15**, white finish

L: .875" W: .75" H: .812"



## 5 SELECT TRANSFORMER

### MAGNETIC TRANSFORMERS

Magnetic transformers are encased in a powder coated metal enclosure that is potted to minimize noise and vibration. All are UL/cUL Listed, NEC 411 Approved, thermally protected, dimmable and have resettable magnetic circuit breakers for short circuit protection. Housings feature easy-hang bracket, wiring access door and knockouts for line voltage entry.

#### HARDWIRE 12V MAGNETIC TRANSFORMER

Include boost tap for use when transformer is located 20' or more from first light.



##### 75W 12V SINGLE OUTPUT

**94458-12**, black finish

L: 8.75" W: 4.25" H: 3.75"

##### 150W 12V SINGLE OUTPUT

**94460-12**, black finish

L: 10.5" W: 4.312" H: 4.312"

##### 300W 12V SINGLE OUTPUT

**94462-12**, black finish

L: 10.5" W: 4.375" H: 3.875"

##### 600W 12V (2 X 300W) DUAL OUTPUT

One switch operates both 300w outputs encased in housing. Balance load on each transformer output.

**94464-12**, black finish

L: 10.562" W: 5" H: 5"

#### HARDWIRE 24V MAGNETIC TRANSFORMER

24V 1000w model has a high ambient rating for use in areas up to 55°C (132°F). Include boost tap for use when transformer is located 20' or more from first light.



##### 75W 24V SINGLE OUTPUT

**94459-12**, black finish

L: 8.75" W: 4.25" H: 3.75"

##### 250W 24V SINGLE OUTPUT

**94461-12**, black finish

L: 10.75" W: 4.5" H: 4.25"

##### 500W 24V SINGLE OUTPUT

**94463-12**, black finish

L: 12.5" W: 6.25" H: 6"

##### 1000W 24V (2 X 500W) DUAL OUTPUT

One switch operates both 500w outputs encased in housing. Balance load on each transformer output.

**94465-12**, black finish

L: 12.5" W: 6.25" H: 6"

## ELECTRONIC TRANSFORMERS

The new zero-load electronic transformers from Ambiance Lighting Systems provide industry leading technology in a small form factor. All now include Radio Frequency Interference modules to eliminate interference that can occur when dimming low-voltage fixtures. These units also have the added benefits of local on/off switches and a user replaceable secondary side of the transformer that can be swapped without an electrician or even needing to touch the primary wiring.

### 30W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96620S-12**, black finish  
**96620S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 75W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96622S-12**, black finish  
**96622S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



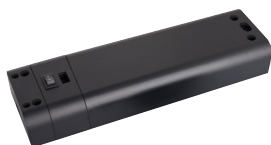
### 150W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96624S-12**, black finish  
**96624S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



### 30W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96621S-12**, black finish  
**96621S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 75W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96623S-12**, black finish  
**96623S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 150W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96625S-12**, black finish  
**96625S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



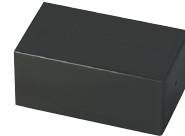
### 60W AC CLASS II<sup>(1)</sup>

UL 2108, flame resistant plastic enclosure. Includes terminal block for 12/2 AWG max Romex type input and 10/2 AWG Ambiance® Lx Cable output. Designed to be mounted vertically at the bottom of the unit. 6" input and output leads for easy installation.

*Wattage: 15w – 60w Class II*  
*Input: 120v AC Output: 12V AC*  
*Max Run: 35 ft.*

**9454-12**, black finish

L: 2.75" W: 1.5" H: 1.125"



<sup>(1)</sup> These transformers should not be used with LED systems.

### 150W AC CLASS I<sup>(1)</sup>

UL 2108, flame resistant plastic enclosure. Includes terminal block for 12/2 AWG max Romex type input and 10/2 AWG Ambiance® Lx Cable output. Designed to be mounted vertically at the bottom of the unit.

*Wattage: 60w – 150w Class I*  
*Input: 120v AC Output: 12V AC*  
*Max Run: 35 ft.*

**9456-12**, black finish

L: 6.25" W: 2.25" H: 1.67"



<sup>(1)</sup> These transformers should not be used with LED systems.

All electronic transformers require electronic low-voltage (ELV) dimmers for dimming. See pg. 114 for more on dimming.



# 24V DC LED TAPE LIGHTING





# ASTERIAL LED TAPE LIGHTING

Asterial LED tape is the next iteration of LED tape lighting from Ambiance Lighting Systems. For the customer looking for an upgrade from standard Lx LED tape, our Asterial line offers superior performance, durability, and versatility in a more cost effective package. Offered in 24v DC high output and RGB color changing versions, both IP-65 rated, Asterial LED Tape comes in 40' reels that can be cut in the field and re-powered in 6" increments.

## CONFIGURE YOUR SYSTEM

STEP  
1



### CHOOSE TAPE STYLE

Choose from high output or RGB color-changing LED tape type and select a power cord and transformer.

P. 32

STEP  
2



### SELECT ACCESSORIES

Select optional connector cables and other accessories.

P. 35

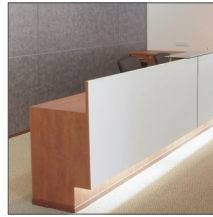


## DESIGN GUIDELINES

Our new Aerial LED tape systems are engineered to perform well in a variety of applications. Both the High Output and RGB color changing versions are completely enclosed so you can be comfortable installing them on applications that are regularly exposed to the elements.



COVE



TOE KICK



UNDER CABINET



IN CABINET



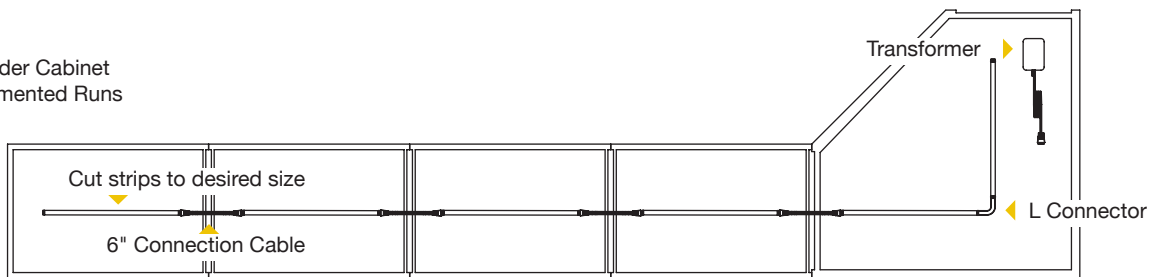
TASK / ACCENT



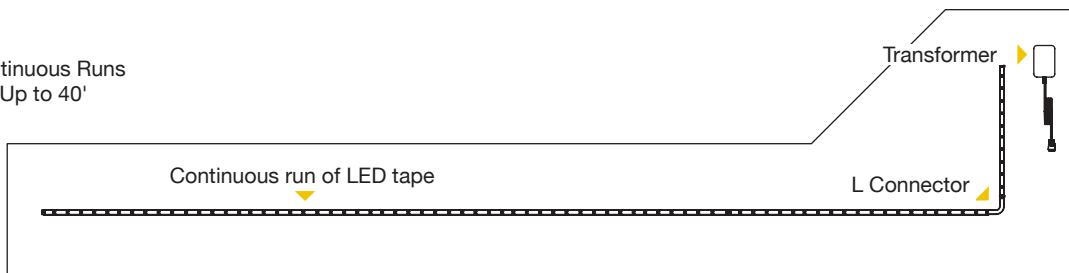
UNDER COUNTER

## CONFIGURE YOUR SYSTEM

Under Cabinet Segmented Runs



Continuous Runs  
Up to 40'

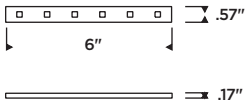


24V DC LED TAPE LIGHTING

## CHOOSE TAPE TYPE &amp; POWER SUPPLY

## ASTERIAL HIGH OUTPUT LED TAPE

Asterial High Output LED Tape is an upgrade from our original Lx LED tape. This new system is rated for indoor or outdoor use, provides 400 lumens per foot and is engineered to allow strips as small as six inches to be cut off in the field and reused.

**NOTE:**

Asterial High Output and RGB Color Changing LED Tape share the same connector cords, track, mounting brackets and end caps. For a list of compatible accessories go to page 35.

ITEM NUMBER	98708S(-xx)	98709S(-xx)
FINISH	(-12) Black and (-15) White	
LENGTH	40'	
COLOR TEMPERATURE	2700K	3000K
VOLTAGE	24v DC	
LUMENS <sup>(1)</sup>	400/ft	
POWER CONSUMPTION	5.5 w/ft	
EFFICACY	73 lm/w	
COLOR RENDERING INDEX	80 CRI	
RATED AVERAGE LIFE	50,000 to 70%	
CERTIFICATION	Indoor/Outdoor: cETL and IP-65 wet listed	
DIMMABLE <sup>(2)</sup>	Down to 10%	
MAX RUN LENGTH	40'	
INSTALLATION	Cut every 6" to fit your space. Every cut piece can be powered. Connect to transformer using connector cord. You may also connect strips together using available connector cords.	

<sup>(1)</sup> For LM-79 report please see Ambiance-Lighting.com.

<sup>(2)</sup> Ambiance Asterial High Output Tape is dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

## POWER CORDS

### 96" POWER CORD

Connects 24v DC High Output LED Tape to transformer.

**98728S-12**, black end

**98728S-15**, white end

96" L



## ELECTRONIC TRANSFORMERS

### 60W, 24V DC, SINGLE OUTPUT

60w, 120v Primary, 24v DC Secondary, Electronic Transformer, Black Powder Coated Encloser. Indoor use only.

**98745S-12**, black finish

9.375" L x 2.5" W x 1.375" T



### 105W, 24V DC, SINGLE OUTPUT

105w, 120v Primary, 24v DC Secondary, Electronic Transformer, Black Powder Coated Encloser. Indoor use only.

**98746S-12**, black finish

11" L x 4" W x 2.25" T



### 150W, 24V DC, SINGLE OUTPUT

150w, 120v Primary, 24v DC Secondary, Electronic Transformer, Black Powder Coated Encloser. Indoor use only.

**98747S-12**, black finish

11" L x 4" W x 2.25" T



## MAGNETIC TRANSFORMERS

### 200W, 24V DC, SINGLE OUTPUT

200w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Powder Coated Encloser, Wet or Dry Location

**98743S-12**, black finish

8.78" L x 3.75" W x 4.25" T



### 300W, 24V DC, SINGLE OUTPUT

300w, 120v Primary, 24v DC Secondary, Magnetic Transformer, Black Powder Coated Encloser, Wet or Dry Location

**98744S-12**, black finish

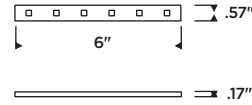
8.78" L x 3.75" W x 4.25" T



# 1 CHOOSE TAPE TYPE & POWER SUPPLY

## ASTERIAL RGB COLOR CHANGING LED TAPE

Asterial RGB Color Changing LED tape is a versatile yet fun accent lighting option for your home or commercial space. Designed for use in indoor or outdoor applications, this system is a great way to liven up any space with some color. Using the Ambiance remote control included with the power supply, you can easily program the strips to virtually any color in a wide range of flash patterns any time you wish.


**NOTE:**

Asterial RGB Color Changing LED Tape shares the same connector cords, track, mounting brackets and end caps with the High Output LED Tape. For a list of compatible accessories go to page 35.

ITEM NUMBER	98808S-15
LENGTH	40'
VOLTS	24v DC
WATTS	2.5w/ft
FACE COLOR	White
DIMMING <sup>(1)</sup>	Down to 15% with required Ambiance Remote Control
RATING	Indoor/Outdoor: cETL and IP-65 wet listed

<sup>(1)</sup> Asterial RGB color changing tape only dims with Ambiance remote control that is included with the purchase of one of the approved power supplies from this page.

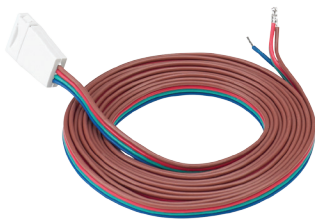
## POWER CORD

### 96" POWER CORD

Connects 24v DC Color Changing LED Tape to transformer.

**98816S-15**, white end

96" L



## POWER SUPPLY

### 100W, 24V DC TRANSFORMER AND REMOTE CONTROL

100w, 120v Primary, 24v DC Secondary, electronic transformer, with RGB controller and remote control. Black Powder Coated Encloser. Wet or Dry Location.



ITEM NUMBER	98841S(-xx)
FINISH	(-12) Black remote and (-15) White remote
VOLTAGE	24v DC
POWER CONSUMPTION	100w
CERTIFICATION	Indoor/Outdoor cETL Listed IP-65
DIMENSIONS	10.67" L x 5.9" W x 2.75" T

## CHOOSE OPTIONAL ACCESSORIES

**ASTERIAL LED TAPE TRACK**

Polycarbonate track for Asterial High Output or Color-Changing LED tape. Comes in 4' sections that can be easily cut to size. Mounts flat or at 45° angle using screws or double-sided tape.

**98770-12**, black finish

**98770-15**, white finish

L: 48" W: .910" H: .650"

**24V DC LED TAPE TRACK**

Optional track for mounting High Output or RGB Color Changing LED Tape.

**98790-12**, black finish

**98790-15**, white finish

L: 48" W: .26" H: .74"

**I CONNECTOR**

Connects two strips of High Output or RGB LED tape together.

**98721S-12**, black finish

**98721S-15**, white finish

L: 1.63" W: .69" H: .25"

**6" CONNECTOR CABLE**

Connect two pieces of High Output or RGB LED tape together in sequence.

**98729S-12**, black finish

**98729S-15**, white finish

6"

**24" CONNECTOR CORD**

Connect two pieces of High Output or RGB LED tape together in sequence.

**98732S-12**, black finish

**98732S-15**, white finish

24"

**ASTERIAL LED TAPE ROUND LENS**

Rounded, frosted lens protects LED tape and reduces pixelation while providing a wider beam of light. Only works with 98770 track\*.

**98773-97**, frosted finish

L: 48" W: .795" H: .220"



\* Track not included.

**METAL MOUNTING CLIPS**

10 pack Metal Mounting Clips for High Output or RGB Color Changing LED Tape.

**98716S-98**, brushed steel finish

L: .25" W: .88" H: .25"

**L CONNECTOR**

Connect two strips of Asterial LED tape together at a 90° angle.

**98722S-12**, black finish

**98722S-15**, white finish

L: 1.125" W: 1.125" H: .25"

**12" CONNECTOR CORD**

Connect two pieces of High Output or RGB LED tape together in sequence.

**98730S-12**, black finish

**98730S-15**, white finish

12"

**36" CONNECTOR CORD**

Connect two pieces of High Output or RGB LED tape together in sequence.

**98733S-12**, black finish

**98733S-15**, white finish

36"

**ASTERIAL LED TAPE FLAT LENS**

Frosted lens protects LED tape and reduces pixelation to provides even lighting in tight spaces. Only works with 98770 track\*.

**98772-97**, frosted finish

L: 48" W: .795" H: .060"



\* Track not included.

**END CAP FOR 24V DC TAPE LIGHT**

Silicone End Cap for High Output LED or RGB Color Changing LED Tape.

**98727S-32**, Clear finish

L: .31" W: .63" H: .25"

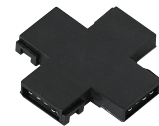
**X CONNECTOR**

Connects four pieces of High Output or RGB LED tape together.

**98724S-12**, black finish

**98724S-15**, white finish

L: 1.63" W: 1.63" H: .25"

**18" CONNECTOR CORD**

Connect two pieces of High Output or RGB LED tape together in sequence.

**98731S-12**, black finish

**98731S-15**, white finish

18"





# 12/24V AC LED TAPE LIGHTING

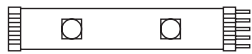




# LX LED TAPE LIGHTING

Ambiance® Lx LED Tape provides versatile, energy efficient, long lasting LED linear lighting for a wide variety of applications. With its ultra low-profile and optically clear coating, Lx LED Tape can be easily installed in a variety of settings to provide discrete, high quality illumination. Available in a variety of lengths and color temperatures with either a black or white face, Lx LED Tape Lighting by Ambiance® is a great addition to any space.

## CONFIGURE YOUR SYSTEM



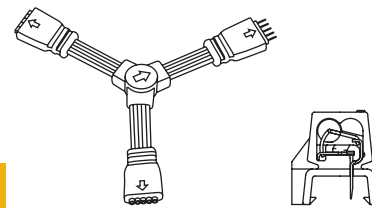
STEP

1

### CHOOSE LED TAPE STRIPS

Select tape length, voltage, color temperature and face color based on your desired specifications.

P. 40



STEP

2

### SELECT CABLES & COMPONENTS

Determine required connectors and cuts to achieve your system configuration.

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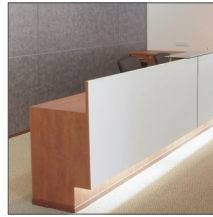


## DESIGN GUIDELINES

Ambiance® Lx LED Tape Lighting is the easy-to-install, long lasting solution for hidden linear illumination. With its ultra-low profile, our LED tape can be hidden in virtually any space. With our protective silicone coating, you can be confident that your tape will be maintenance free and perform the way you expect.



COVE



TOE KICK



UNDER  
CABINET



IN CABINET



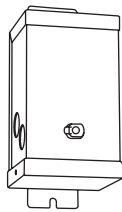
TASK / ACCENT



UNDER  
COUNTER

## CONFIGURE YOUR SYSTEM

STEP  
3



### SELECT TRANSFORMER

Multiply the number of feet in your run by 3w to determine transformer size. Match voltage of the transformer to your LED tape's voltage.

P. 44

# 1 CHOOSE LX LED TAPE

## LX LED TAPE LIGHTING

Ambiance Lx LED Tape provides ultra-low profile LED linear lighting that can be mounted securely with its 3M™ adhesive backing, and/or the included mounting clips. Ambiance Lx LED Tape is available in a variety of lengths, with black or white facing and in two color temperatures. Pair with some of our optional connector cords, molded connectors and mounting clips to make corners and curves easy to achieve.



Cut marks every 2".  
Measure and cut from female end, power from male end.

## PHOTOMETRICS<sup>(1)</sup>

### ZONAL LUMEN SUMMARY

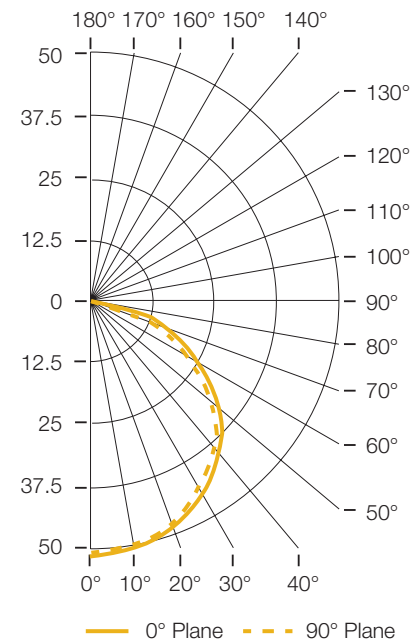
ZONE (DEGREES)	LUMENS	% OF LAMP
0° – 30°	40.8	26.0
0° – 40°	67.1	42.8
0° – 60°	119.8	76.5
0° – 90°	155.8	99.5
90° – 180°	0.8	0.5
0° – 180°	156.6	100

<sup>(1)</sup> Photometry based on (1) 98606SW(-xx) 1' length 12V LED Tape section in 3000K.

### AVERAGE LUMINANCE TABLE (cd/m<sup>2</sup>)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0°	45°	90°
0°	18280	18280	18280
45°	13670	14340	17120
55°	12390	13020	16220
65°	10670	11150	14650
75°	8254	8326	11460
85°	5027	4321	2737

### POLAR CANDELA CHART



See [Ambiance-Lighting.com](http://Ambiance-Lighting.com) for additional photometric data.

## 12V AC LED TAPE LIGHTING



(shown in black)

ITEM NUMBER	98605SW(-xx)	98606SW(-xx)	98607SW(-xx)	98608SW(-xx)	98675SW(-xx)	98676SW(-xx)	98677SW(-xx)	98678SW(-xx)
FINISH	(-12) Black and (-15) White							
LENGTH	2" Length	1' Length	5' Length	16' Length (16 x 1' strips)	2" Length	1' Length	5' Length	16' Length (16 x 1' strips)
COLOR TEMPERATURE	3000K				2700K			
LUMENS	150 per foot				120 per foot			
POWER CONSUMPTION	3w per foot							
EFFICACY	50 lm/w				40 lm/w			
COLOR RENDERING INDEX	>85 CRI							
RATED AVERAGE LIFE	50,000 hours to 70%							
DIMMABLE <sup>(1)</sup>	Down to 10%							
MATERIAL	Flexible copper PC board concealed in optically clear silicone protective coating, with high-endurance 3M™ adhesive backing							
MAX. RUN LENGTH	20'							
INCLUDED ACCESSORIES	1 endcap, 2 mounting clips and screws (per foot)							

<sup>(1)</sup> Ambiance Lx LED Tape Lighting is dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

## 24V AC LED TAPE LIGHTING



(shown in white)

ITEM NUMBER	98611SW(-xx)	98612SW(-xx)	98613SW(-xx)	98614SW(-xx)	98681SW(-xx)	98682SW(-xx)	98683SW(-xx)	98684SW(-xx)
FINISH	(-12) Black and (-15) White							
LENGTH	2" Length	1' Length	5' Length	16' Length (16 x 1' strips)	2" Length	1' Length	5' Length	16' Length (16 x 1' strips)
COLOR TEMPERATURE	3000K				2700K			
LUMENS	150 per foot				120 per foot			
POWER CONSUMPTION	3w per foot							
EFFICACY	50 lm/w				40 lm/w			
COLOR RENDERING INDEX	>85 CRI							
RATED AVERAGE LIFE	50,000 hours to 70%							
DIMMABLE <sup>(1)</sup>	Down to 10%							
MATERIAL	Flexible copper PC board concealed in optically clear silicone protective coating, with high-endurance 3M™ adhesive backing							
MAX. RUN LENGTH	40'							
INCLUDED ACCESSORIES	1 endcap, 2 mounting clips and screws (per foot)							

<sup>(1)</sup> Ambiance Lx LED Tape Lighting is dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

12/24V AC LED TAPE LIGHTING

## SELECT CABLES &amp; COMPONENTS

**LX LED TAPE TRACK**

Polycarbonate track for Lx LED tape. Comes in 4' sections that can be easily cut to size. Mounts flat or at 45° angle using screws or double-sided tape.

**98670-12**, black finish

**98670-15**, white finish

L: 48" W: .750" H: .5"

**LX LED TAPE ROUND LENS**

Rounded, frosted lens protects LED tape and reduces pixelation while providing a wider beam of light.

**98673-97**, frosted finish

L: 48" W: .625" H: .185"



\* Track not included.

**LX LED TAPE FLAT LENS**

Frosted lens protects LED tape and reduces pixelation to provides even lighting in tight spaces.

**98672-97**, frosted finish

L: 48" W: .625" H: .060"



\* Track not included.

**2" CONNECTOR CORD**

Connects two LED tape sections. Supplied with double sided tape.

**98650S-12**, black finish

L: 2" W: .5" H: .1875"

**6" CONNECTOR CORD**

Connects two LED tape sections. Includes 2 mounting clips.

**98651S-12**, black finish

L: 6" W: .5" H: .1875"

**12" CONNECTOR CORD**

Connects two LED tape sections. Includes 2 mounting clips.

**98652S-12**, black finish

L: 12" W: .5" H: .1875"

**18" CONNECTOR CORD**

Connects two LED tape sections. Includes 3 mounting clips.

**98653S-12**, black finish

L: 18" W: .5" H: .1875"

**36" CONNECTOR CORD**

Connects two LED tape sections or use for wiring to remote transformer. Includes 6 mounting clips.

**98654S-12**, black finish

L: 36" W: .5" H: .1875"

**72" CONNECTOR CORD**

Connects two LED tape sections or use for wiring to remote transformer. Includes 12 mounting clips.

**98655S-12**, black finish

L: 72" W: .5" H: .1875"

**8' LED CONNECTOR CORD DIRECT WIRE CORD**

Use to wire LED tape to transformer. Includes 16 mounting clips.

**98662S-12**, black finish

L: 96" W: .5" H: .1875"

**Y CONNECTOR**

Connector has one male and two female connectors. Supplied with mounting clips.

**98657S-12**, black finish

D: 4.25" H: .1875"

**X CONNECTOR**

X connector has one male connector and three female connectors. Supplied with mounting clips.

**98658S-12**, black finish

D: 5" H: .1875"



**L CONNECTOR**

Use when making right angled corners.

**98656S-12**, black finish

L: 1.312" H: 1.375" W: .25"



**MINIATURE WIRING  
COMPARTMENT / SPLICER**

Polycarbonate splicer with cover for connection between transformer extension wire (i.e. Romex) and low voltage cable or LED Tape Connector. Maximum 25 amps.

**9459-12**, black finish

**9459-15**, white finish

L: 2" W: .968" H: .625"

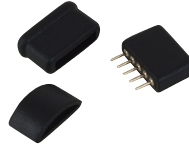


**END CAP**

Covers open pins at the end of the run.

**98659S-12**, black finish

L: .5" W: .5" H: .125"



**FUSED PLUG**

For powering multiple Ambiance low voltage luminaires from an Lx Cable System. See page 116 for detailed wiring information.

**9488-12**, black finish

**9488-15**, white finish

L: .875" W: .75" H: .812"



**PACK OF CORD MOUNTING CLIPS**

Plastic clips for mounting connections.

**98647S-12**, black finish

**98647S-15**, white finish

L: .625" W: .375" H: .1875"



## RECOMMENDED TRANSFORMERS

Ambiance Lx LED Tape can be used with all of the transformers on this page or any of the AC magnetic transformers on page 118<sup>(1)</sup>.

### LED TAPE PLUG-IN TRANSFORMERS<sup>(2)</sup>



#### 60W 12V AC ZERO LOAD

Includes 10' output cord to connect to LED tape sections. Supplied with 20 cord mounting clips.

*Wattage: 0w – 60w*  
*Input: 120v AC Output: 12v AC*

**98050-12**, black finish

L: 3.3125" W: 1.5" H: 1.25"

#### 60W 24V AC ZERO LOAD

Includes 10' output cord to connect to LED tape sections. Supplied with 20 cord mounting clips.

*Wattage: 0w – 60w*  
*Input: 120v AC Output: 24v AC*

**98051-12**, black finish

L: 3.3125" W: 1.5" H: 1.25"

### HARDWIRE ELECTRONIC TRANSFORMERS<sup>(1)(2)</sup>

The new zero-load electronic transformers from Ambiance lighting systems provide industry leading technology in a small form factor. All now include Radio Frequency Interference modules to eliminate interference that can occur when dimming low-voltage fixtures. These units also have the added benefits of local on/off switches and a user replaceable secondary side of the transformer that can be swapped without an electrician or even needing to touch the primary wiring.

#### 30W 12V ZERO-LOAD TRANSFORMER<sup>(1)</sup>

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install. Requires connector cord for Lx LED Tape (sold separately).

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96620S-12**, black finish  
**96620S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 12V ZERO-LOAD TRANSFORMER<sup>(1)</sup>

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install. Requires connector cord for Lx LED Tape (sold separately).

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96622S-12**, black finish  
**96622S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 150W 12V ZERO-LOAD TRANSFORMER<sup>(1)</sup>

Hardwire to power source and operate remotely or with installed switch. Requires connector cord for Lx LED Tape (sold separately).

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96624S-12**, black finish  
**96624S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



#### 30W 24V ZERO-LOAD TRANSFORMER<sup>(1)</sup>

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install. Requires connector cord for Lx LED Tape (sold separately).

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96621S-12**, black finish  
**96621S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 24V ZERO-LOAD TRANSFORMER<sup>(1)</sup>

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install. Requires connector cord for Lx LED Tape (sold separately).

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96623S-12**, black finish  
**96623S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 150W 24V ZERO-LOAD TRANSFORMER<sup>(1)</sup>

Hardwire to power source and operate remotely or with installed switch. Requires connector cord for Lx LED Tape (sold separately).

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

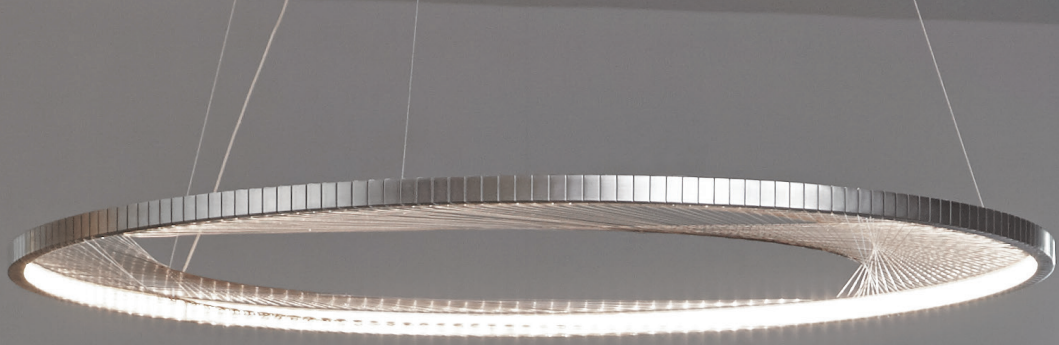
**96625S-12**, black finish  
**96625S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



<sup>(1)</sup> To wire to Lx LED Tape simply cut and remove the male end of the connector cord and strip the five leads. Twist together the two outer most leads on each side and trim the center wire. Wire normally to the secondary (12 or 24V) side of the transformer.

<sup>(2)</sup> All electronic transformers require electronic low voltage (ELV) dimmers for dimming. See page 114 for more on dimming.

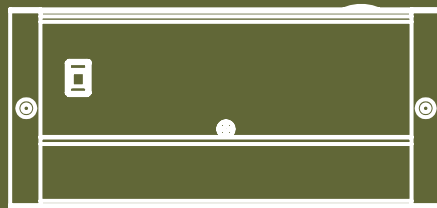


12/24V AC LED TAPE LIGHTING





# SELF-CONTAINED LIGHTING



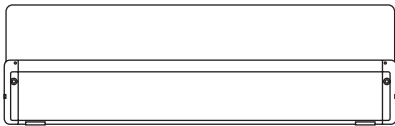


## SELF-CONTAINED LIGHTING

Ambiance® Self-Contained Lighting is offered in a variety of light sources and configurations to meet any application. Choose from 120v LED, 120v Xenon and 120v fluorescent light sources. Each self-contained unit combines low-profile illumination with highly efficient design. All are linkable and available in multiple lengths to match your space considerations.

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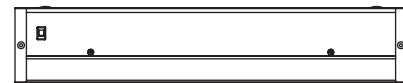
### SELECT YOUR SYSTEM



#### **GLYDE 120V LED**

Available in 5 different lengths, 2 finishes and 2 color temperature options, the Glyde offers multiple options for transformer-free, LED under cabinet lighting. With plug-in connectors for power and linking multiple units together installations are quick and free of the hassles of hardwiring.

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#### **ACCLUSO 120V LED**

Available in 4 different lengths, 2 finishes and 2 color temperature options, the Accluso offers multiple options for transformer-free, LED under cabinet lighting. With plug-in connectors for power and linking multiple units together installations are quick and free of the hassles of hardwiring.

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## DESIGN GUIDELINES

Ambiance® Self-Contained Lighting offers a variety of light sources and systems to complement any application. Choose from LED in either line or low-voltage, xenon or fluorescent. Each unit is low-profile and best of class in performance to meet your design criteria.



UNDER  
CABINET



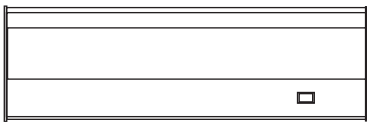
TASK



WALL  
MOUNT\*

\*Self-Contained High  
Output Fluorescent only

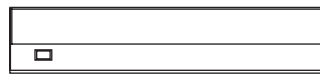
## SELECT YOUR SYSTEM



### SELF-CONTAINED 120V XENON

Specify your desired length and finish. Choose from a variety of connector lengths to join units together. Power with the optional plug-in cord or direct wire with the included conduit adapter.

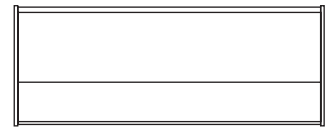
P. 56



### SELF-CONTAINED HIGH OUTPUT FLUORESCENT

Specify your desired length and finish. Mount to the wall or under-cabinet. Hardwire to your power source. Integral on/off switch included.

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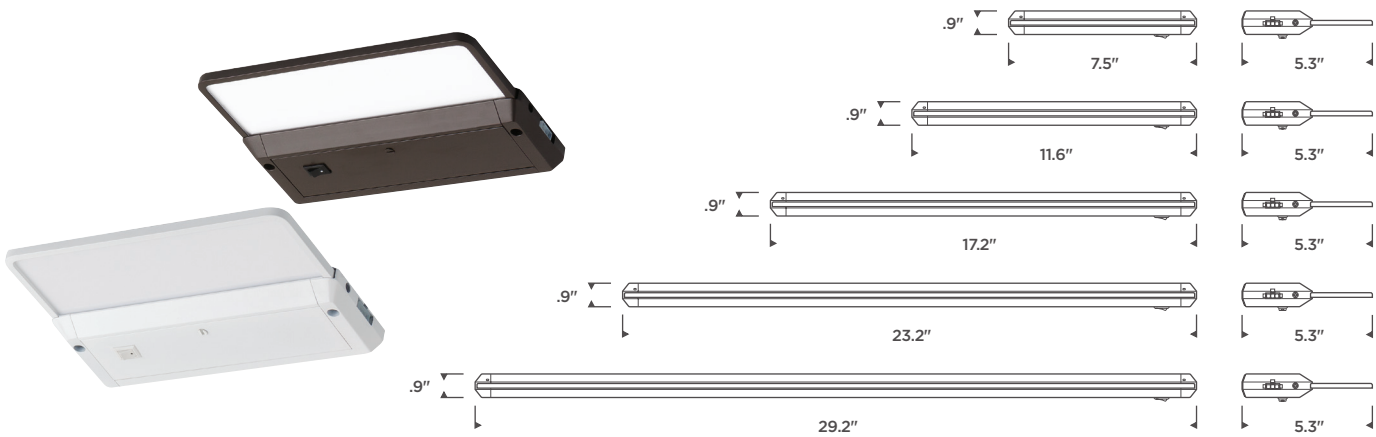
### SELF-CONTAINED FLUORESCENT

Specify your desired length. Hardwire to your power source. Optional on/off switch available for individual control.

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## GLYDE 120V LED

The Glyde Self Contained task light is the next generation of under cabinet lighting from Ambiance Lighting Systems, an innovator in under cabinet lighting systems since 1993. The new Glyde combines sleek design and superior technology into one, compact unit that is fully dimmable and easy to install and link to other units. The advanced light guide technology used in these units, generates a uniform glow of light without the multiple shadows or pixilation seen with other LED task lights. Also, with local on-off switches and convenient plug-n-play design, the Glyde can be easily installed without an electrician; just plug the unit into the wall and link as many units together as needed to light your kitchen counters.



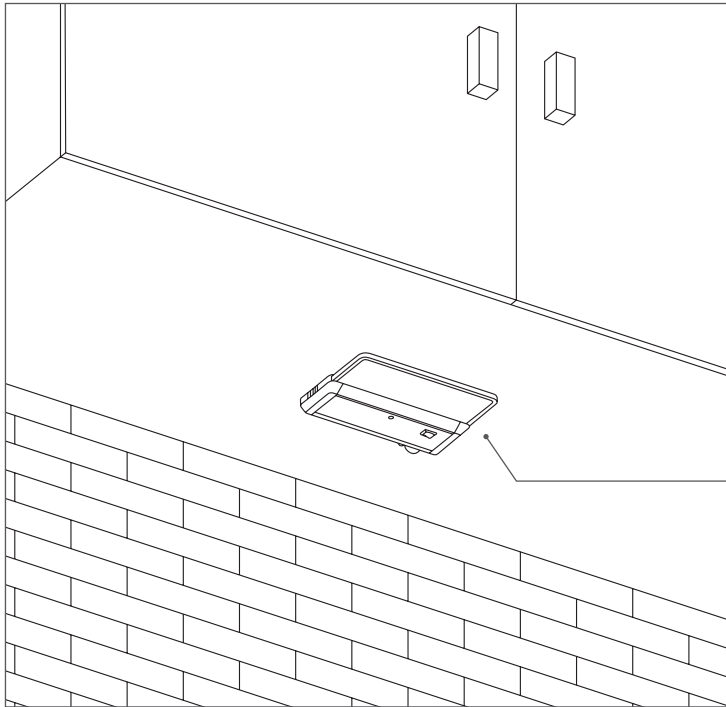
## ORDERING GRID

2700K	98870S(-xx)	98872S(-xx)	98874S(-xx)	98876S(-xx)	98878S(-xx)
3000K	98871S(-xx)	98873S(-xx)	98875S(-xx)	98877S(-xx)	98879S(-xx)
FINISH	(-15) White and (-171) Antique Bronze				
LENGTH	7.5"	12"	18"	24"	30"
VOLTAGE	120v AC				
LUMENS (@ 3000K)	300	675	900	1275	1670
POWER CONSUMPTION	6w	11.8w	15.7w	22.3w	28.3w
EFFICACY	49.9 lm/w	57.3 lm/w	57 lm/w	57 lm/w	59 lm/w
COLOR RENDERING INDEX	90 CRI				
RATED AVERAGE LIFE	50,000 hours to 70%				
DIMMING RANGE <sup>(1)</sup>	Down to 10%				
INSTALLATION	Hard wire or plug in with cord accessory. Join together with connector cords.				
CERTIFICATION	ETL				
ENERGY STAR®	Yes				

<sup>(1)</sup> The Self-Contained Glyde is dimmable with a standard incandescent or electronic low voltage (ELV) dimmer. See page 114 for more on dimming. When sizing dimmer consult with the dimmer manufacturer for information on de-rating the dimmer for in-rush current.

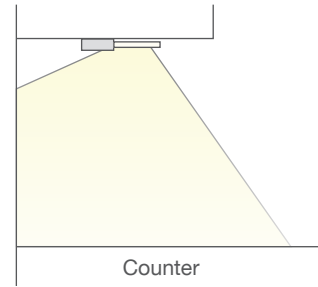
# CHOOSE FIXTURES

## PLACEMENT OF FIXTURE



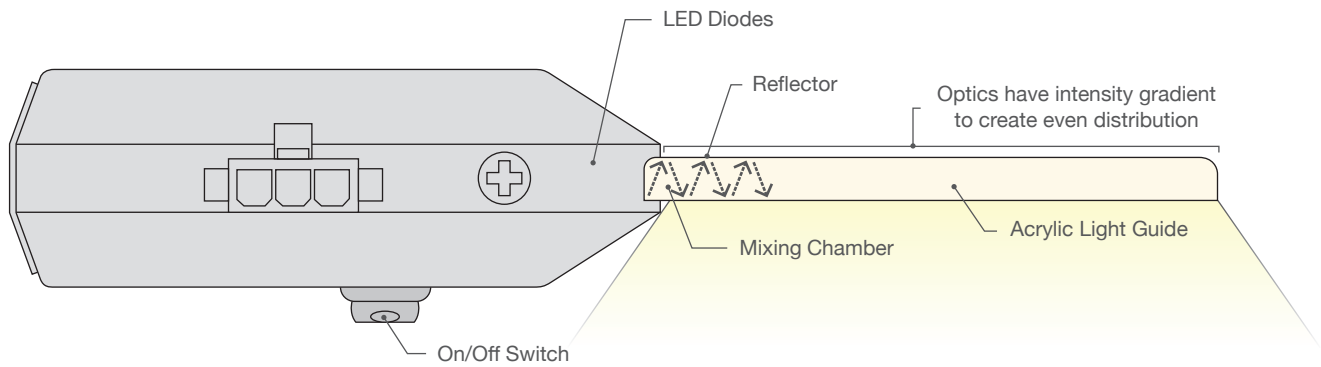
Center between cabinet front and wall with lens facing forward

SIDE VIEW



Counter

## PROFILE VIEW OF MODULE



SELF-CONTAINED LIGHTING

## CHOOSE ACCESSORIES

**3" CONNECTOR CORD**

Connects two Self Contained units together.

**98270S-12**, black finish  
**98270S-15**, white finish

L: 3"

**6" CONNECTOR CORD**

Connects two Self Contained units together.

**98271S-12**, black finish  
**98271S-15**, white finish

L: 6"

**12" CONNECTOR CORD**

Connects two Self Contained units together.

**98272S-12**, black finish  
**98272S-15**, white finish

L: 12"

**18" CONNECTOR CORD**

Connects two Self Contained units together.

**98273S-12**, black finish  
**98273S-15**, white finish

L: 18"

**24" POWER CORD**

Power cord for plug-in installations.

**98274S-12**, black finish  
**98274S-15**, white finish

L: 24"

**72" POWER CORD**

Power cord for plug-in installations.

**98275S-12**, black finish  
**98275S-15**, white finish

L: 72"

**MALE TO MALE CONNECTOR**

Connects two fixtures together.

**98276S-12**, black finish  
**98276S-15**, white finish

L: 1"

**FEMALE TO FEMALE CONNECTOR**

Joins two connector cords together.

**98277S-12**, black finish  
**98277S-15**, white finish

L: 1"

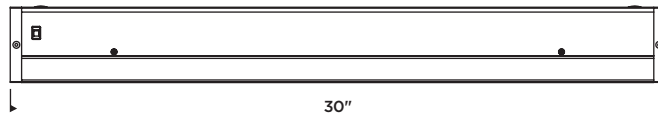
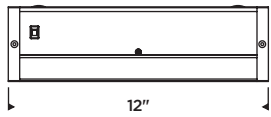
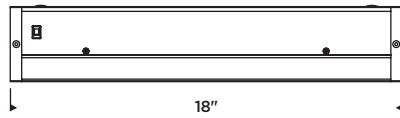
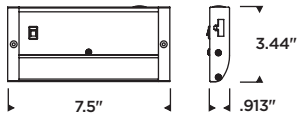




SELF-CONTAINED LIGHTING

# 1 CHOOSE FIXTURES

## ACCLUSO 120V LED



White



Antique Bronze

ITEM NUMBER	98260S(-xx)	98261S(-xx)	98262S(-xx)	98263S(-xx)	98264S(-xx)	98265S(-xx)	98266S(-xx)	98267S(-xx)
FINISH	(-15) White and (-171) Antique Bronze							
LENGTH	7.5"	7.5"	12"	12"	18"	18"	30"	30"
COLOR TEMPERATURE	2700K	3000K	2700K	3000K	2700K	3000K	2700K	3000K
VOLTAGE	120v							
LUMENS	400	400	650	650	975	975	1625	1625
POWER CONSUMPTION	4.8w	4.8w	7.7w	7.7w	11.5w	11.5w	19.2w	19.2w
EFFICACY	83	83	84	84	85	85	85	85
COLOR RENDERING INDEX	>90 CRI							
RATED AVERAGE LIFE	50,000 hours to 70%							
DIMMABLE <sup>(1)</sup>	Yes to 5%							
MATERIAL	Low profile, self-cooling aluminum housing with local on/off switch, clear acrylic lens							
CERTIFICATION	cETL Listed for Dry Locations							

<sup>(1)</sup> The Accluso is dimmable with standard incandescent or electronic low voltage (ELV) dimmers. See page 114 for more on dimming. When sizing dimmer consult with the dimmer manufacturer for information on de-rating the dimmer for in-rush current.

## PHOTOMETRICS<sup>(2)</sup>

### ZONAL LUMEN SUMMARY

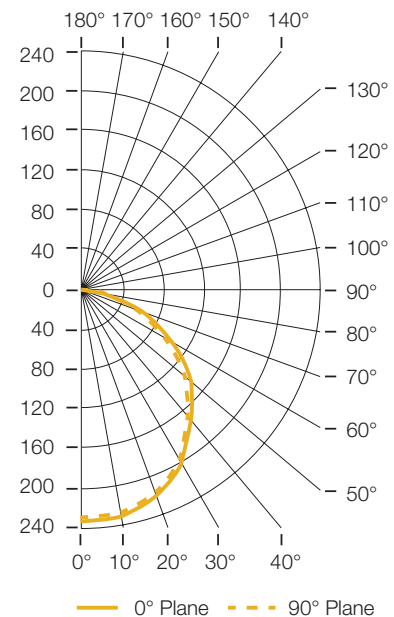
ZONE (DEGREES)	LUMENS	% OF LAMP
0° – 30°	182.2	28.6
0° – 40°	299.2	47
0° – 60°	526.9	82.8
0° – 90°	636.3	100
90° – 180°	0	0
0° – 180°	636.3	100

<sup>(2)</sup> Photometry based on (1) 98263S(-xx) 12" length LED Light in 3000K CCT

### AVERAGE LUMINANCE TABLE (cd/m<sup>2</sup>)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0°	45°	90°
0°	234	234	234
45°	162	159	155
55°	126	121	119
65°	83	77	77
75°	39	34	11
85°	5	2	2

### POLAR CANDELA CHART



See [Ambiance-Lighting.com](http://Ambiance-Lighting.com) for additional photometric data.



**3" CONNECTOR CORD**

Connects two Self Contained units together.

**98270S-12**, black finish  
**98270S-15**, white finish

L: 3"



**6" CONNECTOR CORD**

Connects two Self Contained units together.

**98271S-12**, black finish  
**98271S-15**, white finish

L: 6"



**12" CONNECTOR CORD**

Connects two Self Contained units together.

**98272S-12**, black finish  
**98272S-15**, white finish

L: 12"



**18" CONNECTOR CORD**

Connects two Self Contained units together.

**98273S-12**, black finish  
**98273S-15**, white finish

L: 18"



**24" POWER CORD**

Power cord for plug-in installations.

**98274S-12**, black finish  
**98274S-15**, white finish

L: 24"



**72" POWER CORD**

Power cord for plug-in installations.

**98275S-12**, black finish  
**98275S-15**, white finish

L: 72"



**MALE TO MALE CONNECTOR**

Connects two fixtures together.

**98276S-12**, black finish  
**98276S-15**, white finish

L: 1"



**FEMALE TO FEMALE CONNECTOR**

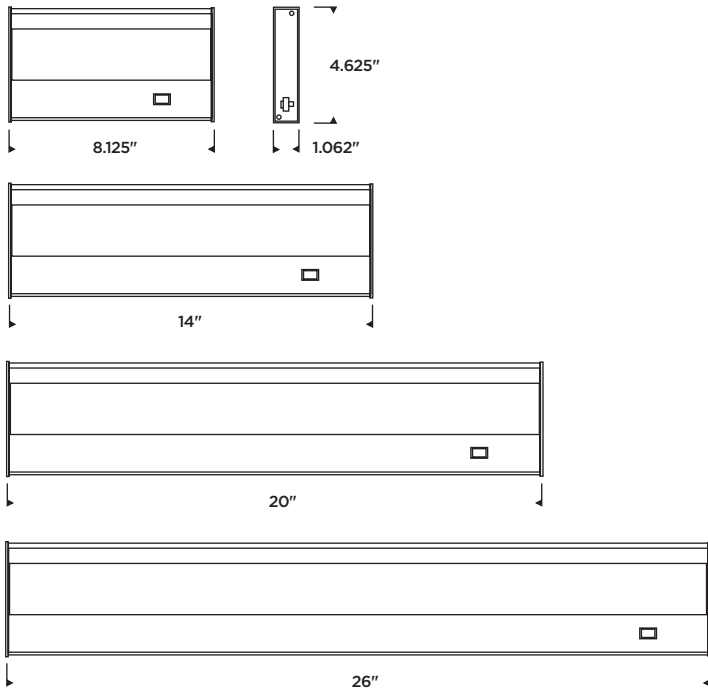
Joins two connector cords together.

**98277S-12**, black finish  
**98277S-15**, white finish

L: 1"



## SELF-CONTAINED 120V XENON LIGHTING



Ambiance® Self-Contained 120v Xenon Lighting is the perfect combination of best-in-class performance and ease of installation. Our Self-Contained Xenon Lights are fully dimmable and are equipped with a hinged glass diffuser for easy cleaning and relamping. Link units together in a continuous run of up to 560w using connector cords and direct wire using conduit adapter, or plug-in with 5' power cord and plug (connector cords and power cord sold separately, conduit adapter included.)



White

Plated  
BronzeTinted  
Aluminum

ITEM NUMBER	98040(-xx)	98041(-xx)	98042(-xx)	98043(-xx)
FINISH	(-15) White, (-787) Plated Bronze and (-986) Tinted Aluminum			
# OF LAMPS	One	Two	Three	Four
LENGTH	8"	14"	20"	26"
COLOR TEMPERATURE	2650K			
VOLTAGE	120v AC			
GROSS LUMENS <sup>(1)</sup>	420	840	1260	1680
RATED WATTS	35w	70w	105w	140w
EFFICACY	12 lm/w			
COLOR RENDERING INDEX	>90 CRI			
RATED AVERAGE LAMP LIFE	2,000 hours			
DIMMABLE <sup>(2)</sup>	Yes			
MIN. SPACING	Adjacent mounting capable (550w total on single run)			
INCLUDES	Conduit adapter, mounting screws & 35w xenon lamps			
MATERIAL	Low-profile aluminum housing with multiple knockouts and local hi/low/off switch			
CERTIFICATION	cETL, damp location			

<sup>(1)</sup> Gross lumen level is derived from lamp source output. Some illumination is lost through diffuser. Actual light delivered to surface will be less.

<sup>(2)</sup> Ambiance Self-Contained 120v Xenon Lights are dimmable using standard incandescent dimmers. Each unit also includes an integral hi/low/off switch for multiple levels of illumination from standard wiring.

## SELECT CONNECTORS

**6" CONNECTOR CORD**

Link up to 560w max of Self-Contained 120v Xenon Lights from a single power feed.

**90842-12**, black finish  
**90842-15**, white finish

L: 6"

**12" CONNECTOR CORD**

Link up to 560w max of Self-Contained 120v Xenon Lights from a single power feed.

**90843-12**, black finish  
**90843-15**, white finish

L: 12"

**18" CONNECTOR CORD**

Link up to 560w max of Self-Contained 120v Xenon Lights from a single power feed.

**90844-12**, black finish  
**90844-15**, white finish

L: 18"



## CHOOSE POWER CORD &amp; CONTROLS

**5' POWER CORD & PLUG**

5' power cord & plug for Self-Contained 120v Xenon Lights. Link up to 560w of Xenon fixtures with available connector cords and then connect the power cord and plug to the first fixture in your run to energize. Ambiance Self-Contained 120v Xenon Lights can also be hard-wired for power using the included conduit adapter.

**90845-12**, black finish  
**90845-15**, white finish

L: 6.75" W: 3" H: 1.375"

**MASTER SWITCH**

Each Self-Contained 120v Xenon Light features an integral on/off switch for individual control. Utilize this 120v master switch to control a group or run of Xenon fixtures. The master switch can be hard-wired or powered with the 98045(-xx) power cord. A 120v Xenon connector cord receptacle is integrated to the master switch for easy connection to a run of fixtures.

**90846-12**, black finish  
**90846-15**, white finish

L: 4.72" W: 4.656" H: 1.06"



## REPLACEMENT LAMP

**120V 35W XENON LAMP**

120v T4 35w max. Xenon G-9 lamp. For replacement in Self-Contained 120v Xenon Lighting.

**97190-32**, clear finish

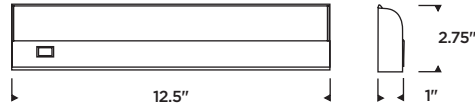
D: 0.5" L: 2.0625"



# SELF-CONTAINED HIGH OUTPUT FLUORESCENT LIGHTING

## SELF-CONTAINED HIGH OUTPUT FLUORESCENT LIGHTING

Ambiance® Self-Contained High Output Electronic T5 Lighting is ideal for confined areas and commercial applications. They include a premium 4100°K T5 lamp that produces 40% more light and lasts two times longer than standard T5s. An integral on/off switch, multiple knockouts and a hinged ballast cover are included for easy installation. UL suitable for wall mounting.

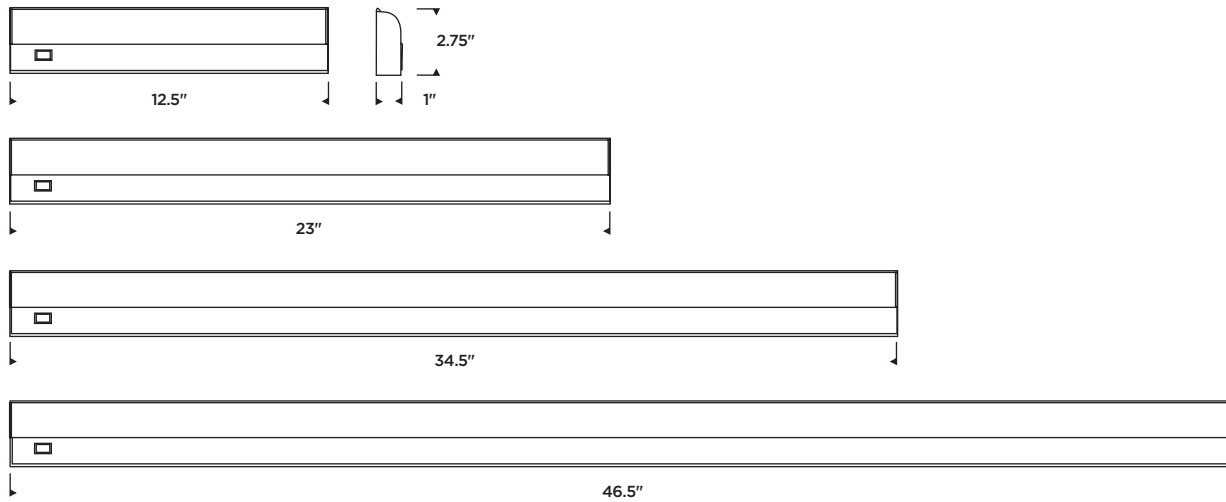


12.5" photo and line art shown, see page 59 for all sizes

ITEM NUMBER	49090BL(-xx)	49091BL(-xx)	49092BL(-xx)	49093BL(-xx)
FINISH	(-15) White, (-171) Painted Antique Bronze and (-760) Painted Stainless			
LENGTH	12.5"	23"	34.5"	46.5"
COLOR TEMPERATURE	4100K			
VOLTAGE	120v AC			
GROSS LUMENS <sup>(1)</sup>	460	840	1260	2470
POWER CONSUMPTION	8w	14w	21w	28w
EFFICACY	57.5 lm/w	81 lm/w	88 lm/w	88 lm/w
COLOR RENDERING INDEX	>82 CRI			
RATED AVERAGE LAMP LIFE	10,000 hours			
DIMMABLE	No			
MIN. SPACING	Adjacent mounting capable, wall, ceiling or under cabinet			
INCLUDES	Conduit adapter & T5 high output lamp			
CERTIFICATION	UL/cUL, damp locations			

<sup>(1)</sup> Gross lumen level is derived from lamp source output. Some illumination is lost through diffuser. Actual light delivered to surface will be less.

# SELF-CONTAINED HIGH OUTPUT FLUORESCENT LIGHTING



White



Painted  
Antique Bronze

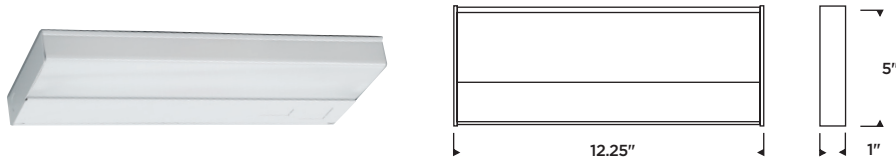


Painted  
Stainless

# SELF-CONTAINED FLUORESCENT LIGHTING

## SELF-CONTAINED FLUORESCENT LIGHTING

Ambiance® Self-Contained Fluorescent Lighting is designed with quality and performance in mind. The low profile design is optimal for confined areas. High performance electronic ballasts and T5 lamps provide instant-on, flicker-free light. Contains multiple knockouts for ease of installation and linking units together.

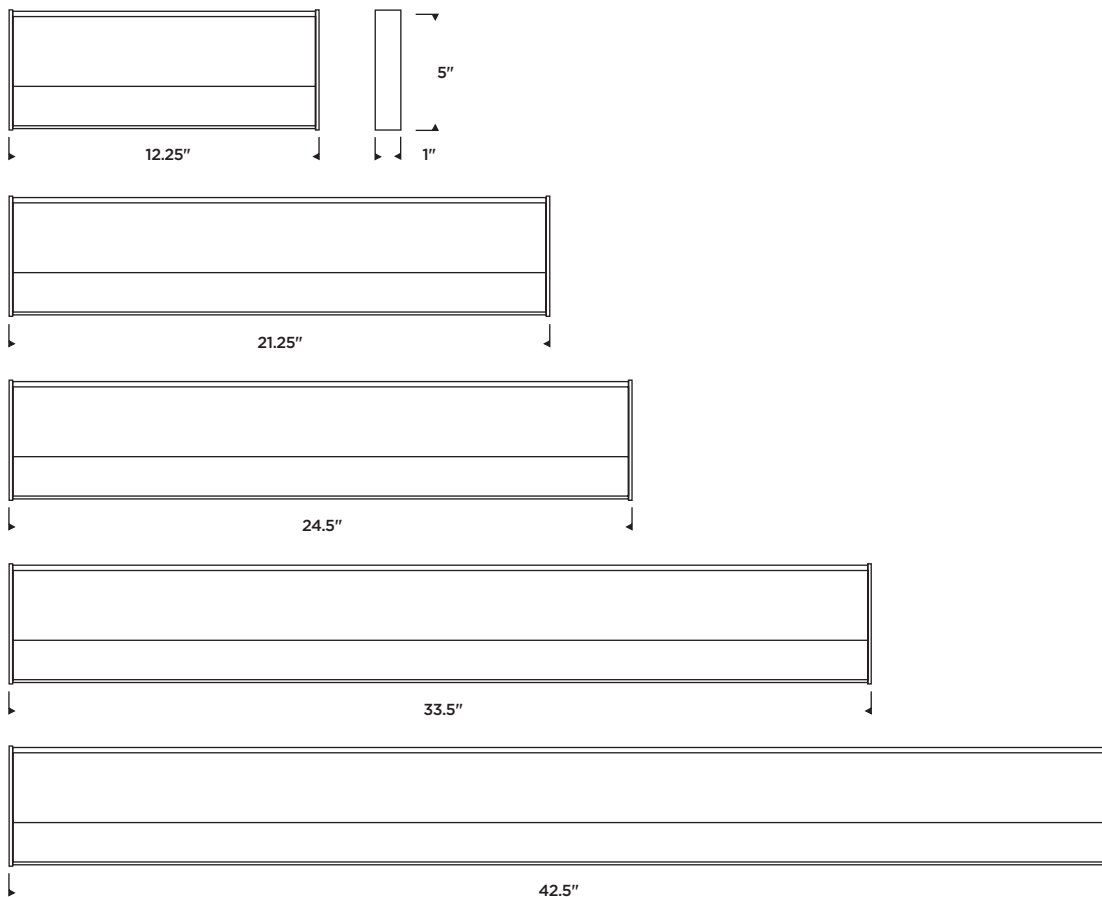


12.5" photo and line art shown, see page 61 for all sizes

ITEM NUMBER	4975BLE-15	4976BLE-15	4977BLE-15	4978BLE-15	4979BLE-15
FINISH	(-15) White				
LENGTH	12.25"	21.25"	24.5"	33.5"	42.5"
COLOR TEMPERATURE	3000K				
VOLTAGE	120v AC				
GROSS LUMENS <sup>(1)</sup>	390	855	780	1245	1710
POWER CONSUMPTION	8w	13w	16w	21w	26w
EFFICACY	49 lm/w	66 lm/w	49 lm/w	59 lm/w	66 lm/w
COLOR RENDERING INDEX	>82 CRI				
RATED AVERAGE LAMP LIFE	10,000 hours				
DIMMABLE	No				
MIN. SPACING	Adjacent mounting capable				
INCLUDES	T5 lamp				
CERTIFICATION	UL/cUL, damp location				

<sup>(1)</sup> Gross lumen level is derived from lamp source output. Some illumination is lost through diffuser. Actual light delivered to surface will be less.

# SELF-CONTAINED FLUORESCENT LIGHTING



SELF-CONTAINED LIGHTING

## OPTIONAL ACCESSORIES

### OPTIONAL ON/OFF SWITCH

Snaps into switch knock out on Self-Contained Fluorescent fixtures.

**9027-15**, white finish

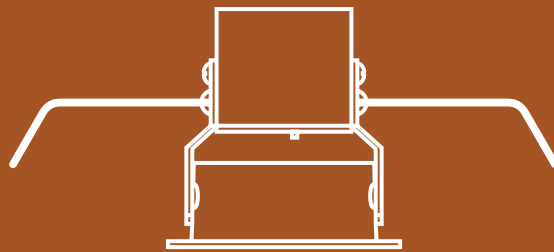
Fits Ambiance Fluorescent switch knockouts







# LED NICHE LIGHTING



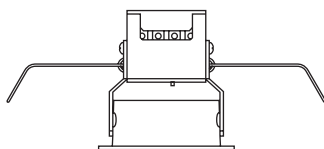


## LUCARNE LED NICHE LIGHTS

The new Lucarne low voltage LED niche lights from Ambiance Lighting System combine a compact size with advanced LEDs to provide superior quality light from a small package. Available in fixed or adjustable down lights, each of these units feature 90 CRI in your choice of 2700K, 3000K or 4000K and can be had in both 12 and 24 volts. For maximum flexibility, each light ships with both a 30° and 65° beam spread lens included so you can adjust as needed during installation or easily reconfigure at a later date. With a choice of two finishes these niche lights are easy to place in virtually any setting. Whether you are looking for accent lighting to draw attention to architectural details of a space, wanting to highlight items on display, or just provide an additional layer of lighting to a room, the Lucarne Niche Lights provide you the ultimate flexibility and level of illumination.

### CONFIGURE YOUR SYSTEM

STEP  
**1**



#### CHOOSE A DESIGN

Select either adjustable or fixed downlight versions based on your application.

P. 66

STEP  
**2**



White

Antique  
Bronze

#### CHOOSE YOUR DESIRED FINISH

Available in both White and Antique Bronze finishes, these fixtures are designed to blend in whether installed in wood or drywall.

P. 66

## DESIGN GUIDELINES

Ambiance® Lucarne LED Niche lighting offers lamp and beam options that shape and direct light right to your specifications. Add another layer of lighting to your space by highlighting objects on display with a directional fixture or accentuate architectural details with a fixed down light.



WALL GRAZING



SHOWCASE / SHELF

STEP  
3

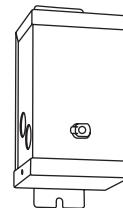


### CHOOSE COLOR TEMPERATURE

Lucarne Niche lights come in 2700K, 3000K and 4000K so they work well in both residential and commercial applications.

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STEP  
4



### SELECT VOLTAGE & TRANSFORMER

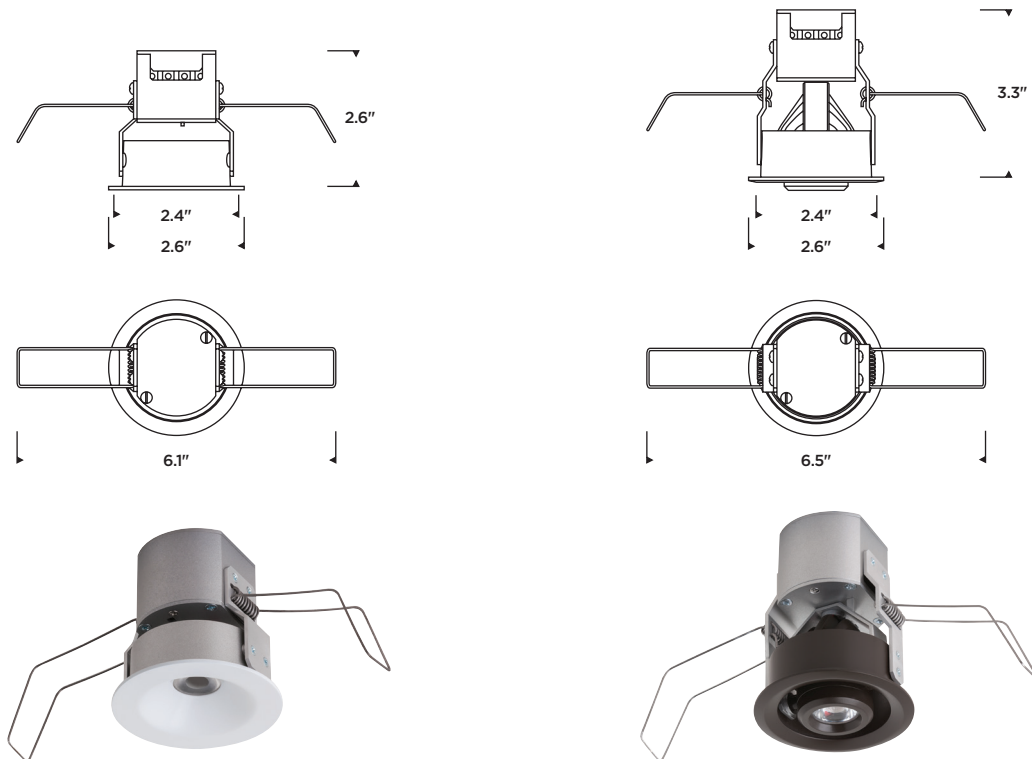
Lucarne LED Niche lights work with any of the Ambiance Lx AC transformers.

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# LUCARNE LED NICHE LIGHTS

## LUCARNE LED NICHE LIGHTS

Lucarne LED Niche lighting is a versatile accent lighting option for your home or commercial space. With multiple color temperatures and beam spread options available you can customize your installation to direct light where and how it is needed. For highlighting objects, drawing attention to architectural details and improving overall illumination indoors or out, Lucarne Niche lights adds a designer's touch.



STYLE	Fixed Down Light			Adjustable Down Lights		
ITEM NUMBER (12V)	95411S(-xx)	95412S(-xx)	95413S(-xx)	95416S(-xx)	95417S(-xx)	95418S(-xx)
ITEM NUMBER (24V)	95511S(-xx)	95512S(-xx)	95513S(-xx)	95516S(-xx)	95517S(-xx)	95518S(-xx)
FINISH	(-15) White, (-171) Antique Bronze			(-15) White, (-171) Antique Bronze		
COLOR TEMPERATURE	2700K	3000K	4000K	2700K	3000K	4000K
VOLTAGE	12v AC or 24v AC			12v AC or 24v AC		
LUMENS	300			300		
POWER CONSUMPTION	4.2w			4.2w		
EFFICACY	71 lm/w			71 lm/w		
COLOR RENDERING INDEX	90			90		
RATED AVERAGE LIFE	50,000 hours to 70%			50,000 hours to 70%		
DIMMING RANGE <sup>(1)</sup>	Down to 10%			Down to 10%		
INCLUDED LENSES	30° and 65°			30° and 65°		
MATERIAL	Steel/Aluminum			Steel/Aluminum		
CERTIFICATION	ETL Wet Location and IC Rated			ETL Dry		

<sup>(1)</sup> Ambiance LED Niche Lights perform best with electronic transformers and electronic low-voltage (ELV) dimmers. See pg. 114 for more on dimming.

## RECOMMENDED TRANSFORMERS

Ambiance Lucarne LED Niche Lights can be used with all of the transformers on this page or any of the AC magnetic transformers on page 118.

## ELECTRONIC TRANSFORMERS

The new zero-load electronic transformers from Ambiance lighting systems provide industry leading technology in a small form factor. All of the new transformers include Radio Frequency Interference modules to eliminate interference that can occur when dimming low-voltage fixtures. These units also all feature local on/off switches and have a user replaceable secondary side of the transformer that can be swapped without an electrician or even needing to touch the primary wiring.

### 30W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96620S-12**, black finish  
**96620S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 75W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96622S-12**, black finish  
**96622S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



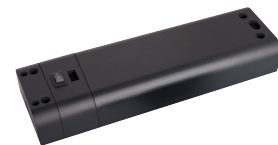
### 150W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96624S-12**, black finish  
**96624S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



### 30W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96621S-12**, black finish  
**96621S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 75W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96623S-12**, black finish  
**96623S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



### 150W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96625S-12**, black finish  
**96625S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"





# DISK LIGHTING

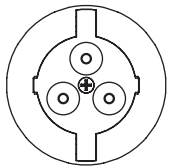




# LED DISK LIGHTING

Ambiance® LED Disk Lights are a sleek, efficient and affordable way to enhance residential and commercial spaces. They provide homogenous light with a smooth, shadowless beam. Their versatility allows Ambiance® LED Disk Lights to be installed as a stand-alone luminaire, a system of multiple disk lights, or as an addition to an Ambiance® Lx Cable Lighting System using our Fused Plug.

## CONFIGURE YOUR SYSTEM



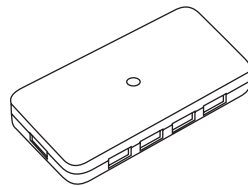
STEP

1

### CHOOSE LED DISKS

Select number of disks, housing color and color temperature needed for your project.

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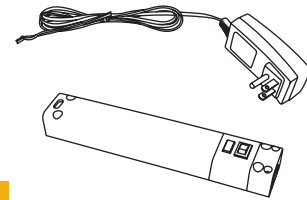
STEP

2

### SELECT CONNECTORS & ACCESSORIES

Order connection hubs, additional connector cords, extra cord mounting clips, wiring compartments and fused plugs needed for your installation. (Each disk includes a 36" linking cable.)

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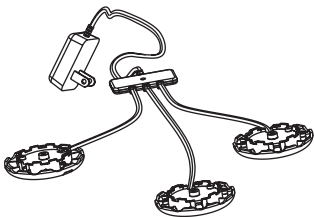
STEP

3

### SELECT TRANSFORMER

Multiply the number of disks in your system by 4w to determine transformer size needed. LED disks are 12v AC for use with 12v power supplies.

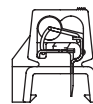
P. 74



### KITS

Pre-packaged 2 and 3 light kits are available including a plug-in transformer and everything needed for a typical installation.

P. 75



### FUSED PLUG

For connecting to Lx Cable System.

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## DESIGN GUIDELINES

Ambiance® LED Disk Lighting is the high performance solution for spotlighting and direct illumination. Utilize the crisp and seamless beam spread of our LED chipsets to brighten your workspace or highlight areas of interest. With daisy chain or hub and spoke configuration options, placing light where you need it is a breeze.



IN CABINET



UNDER CABINET



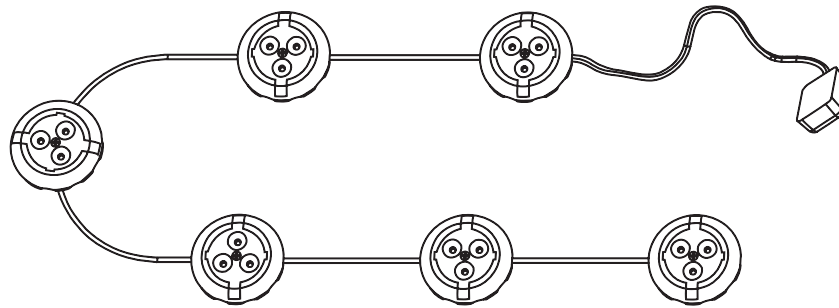
TASK / ACCENT



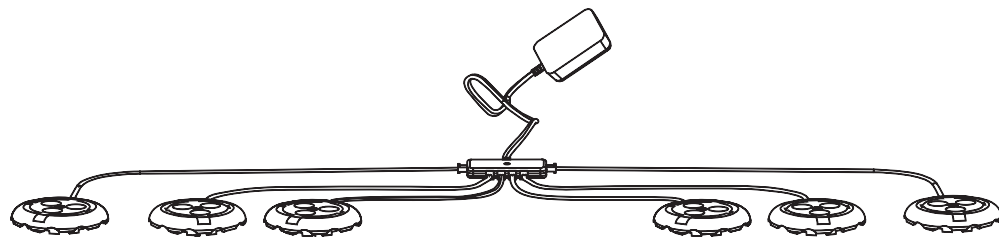
NICHES

## CONFIGURATION OPTIONS

Daisy Chain

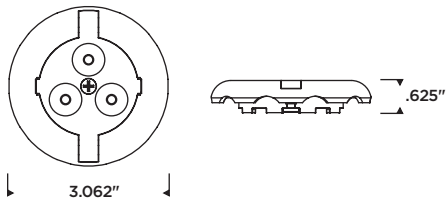


Hub and Spoke



# 1 CHOOSE DISKS

## INDIVIDUAL LED DISKS\*



Ambiance® LED Disk Lighting is ideal for residential, commercial and retail applications with its ample lumen output and versatility. The low-profile 12v LED Disks can easily be daisy-chain or hub-and-spoke linked to power a maximum of six disks on one transformer. Choose from plug-in or hardwire transformers, or power your disks from an Lx Cable System using our Fused Plug (9488).

ITEM NUMBER	98859SW(-xx)	98860SW(-xx)
FINISH	(-12) Black, (-15) White, (-787) Bronze and (-986) Tinted Aluminum	
COLOR TEMPERATURE	2700K	3000K
VOLTAGE	12v AC	
LUMENS	160	170
POWER CONSUMPTION	4w	4w
EFFICACY	40 lm/w	43 lm/w
COLOR RENDERING INDEX	>85 CRI	
RATED AVERAGE LIFE	40,000 hours to 70%	
DIMMABLE <sup>(1)</sup>	Down to 10%	
CERTIFICATION	cETL, damp rated	
MATERIAL	Low-profile, die-cast aluminum with captive screw and 36" linking cord	
INCLUDED ACCESSORIES	36" connector cord, three cord clips	
OPTIONAL ACCESSORIES	Connector cords, connection hub	



<sup>(1)</sup> Ambiance LED Disks are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.  
<sup>\*</sup> For pre-packaged kits, see page 75.

## PHOTOMETRICS<sup>(2)</sup>

### ZONAL LUMEN SUMMARY

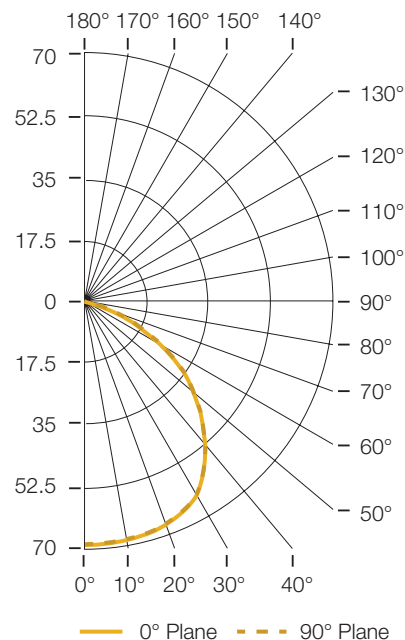
ZONE (DEGREES)	LUMENS	% OF LAMP
0° – 30°	56.7	32.5
0° – 40°	93.4	53.6
0° – 60°	157.7	90.4
0° – 90°	174.4	100
90° – 180°	0	0.0
0° – 180°	174.4	100

<sup>(2)</sup> Photometry based on (1) 98860SW(-xx) LED Disk in 3000K CCT.

### AVERAGE LUMINANCE TABLE (cd/m<sup>2</sup>)

VERTICAL ANGLE (DEGREES)	HORIZONTAL ANGLE (DEGREES)		
	0°	45°	90°
0°	60540	60540	60540
45°	58070	58070	58070
55°	48620	48620	48620
65°	32180	32180	32180
75°	1326	1326	1326
85°	0	0	0

### POLAR CANDELA CHART



See [Ambiance-Lighting.com](http://Ambiance-Lighting.com) for additional photometric data.

## SELECT CONNECTORS &amp; ACCESSORIES

**6" CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**98643S-12**, black finish

**98643S-15**, white finish

L: 6" W: .5" H: .1875"

**12" CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**98644S-12**, black finish

**98644S-15**, white finish

L: 12" W: .5" H: .1875"

**18" CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**98645S-12**, black finish

**98645S-15**, white finish

L: 18" W: .5" H: .1875"

**10' CONNECTOR CORD**

Connects LED Disk Lights together or to optional mounting hub. Can also be used for wiring to remote transformers.

**98646S-12**, black finish

**98646S-15**, white finish

L: 10' W: .5" H: .1875"

**10 PACK OF CORD MOUNTING CLIPS**

Plastic clips for securing cables on install.

**98647S-12**, black finish

**98647S-15**, white finish

L: .625" W: .375" H: .1875"

**CONNECTION HUB**

Includes one input port and 6 output ports for LED Disk Lights. 4 output ports front and one on each side. Mounting screw included.

**98641S-12**, black finish

**98641S-15**, white finish

L: 3" W: 1.25" H: .4375"

**MINIATURE WIRING COMPARTMENT / SPLICER**

Polycarbonate splicer with cover for connection between transformer extension wire (i.e. Romex) and low voltage cable or LED Disk Connector. Maximum 25 amps.

**9459-12**, black finish

**9459-15**, white finish

L: 2" W: .968" H: .625"

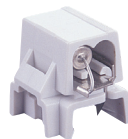
**FUSED PLUG**

For powering multiple Ambiance low voltage luminaires from an Lx Cable System. See page 116 for detailed wiring information.

**9488-12**, black finish

**9488-15**, white finish

L: .875" W: .75" H: .812"



## RECOMMENDED ELECTRONIC TRANSFORMERS

The transformers listed below are our recommendations for use with the LED Disk Lighting system. The system is also compatible with all the 12v AC magnetic and zero-load electronic transformers on page 118<sup>(1)</sup>.

### PLUG-IN<sup>(2)</sup>



#### 30W 12V AC ZERO LOAD

Transformer consumes 1-1.5w. Includes on/off switch and 8' output cord for connection to first LED Disk Light in a row or optional connection hub.

*Wattage: 0w – 30w Class II*  
*Input: 120v AC | Output: 12v AC*

**98640S-12**, black finish

**98640S-15**, white finish

L: 3.3125" W: 1.5" H: 1.25"

### HARDWIRE TRANSFORMERS<sup>(2)</sup>

The new zero-load electronic transformers from Ambiance lighting systems provide industry leading technology in a small form factor. All of the new transformers include Radio Frequency Interference modules to eliminate interference that can occur when dimming low-voltage fixtures. These units also all feature local on/off switches and have a user replaceable secondary side of the transformer that can be swapped without an electrician or even needing to touch the primary wiring.

#### 30W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96620S-12**, black finish

**96620S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 12v AC*  
*Max Run: 35 ft.*

**96622S-12**, black finish

**96622S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 150W 12V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch.

*Wattage: 0w-150w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96624S-12**, black finish

**96624S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



#### 30W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-30w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96621S-12**, black finish

**96621S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 75W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-75w Class II*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96623S-12**, black finish

**96623S-15**, white finish

L: 7.805" W: 1.36" H: 0.949"



#### 150W 24V ZERO-LOAD TRANSFORMER

Hardwire to power source and operate remotely or with installed switch. Secondary side features quick connection for fast install.

*Wattage: 0w-150w Class I*  
*Input: 120v AC Output: 24v AC*  
*Max Run: 35 ft.*

**96625S-12**, black finish

**96625S-15**, white finish

L: 8.385" W: 2.53" H: 1.219"



<sup>(1)</sup> Wiring LED Disks to Transformer without Output Cord

Using an LED Disk Connector Cord, cut and remove the male end. Strip your cables and wire normally to 12v output side of your transformer. Electronic transformers require electronic low-voltage dimmers to dim properly.

<sup>(2)</sup> All LED Disk electronic transformers require pairing with an electronic low voltage (ELV) dimmer for dimming.

LED DISK KITS\*



Black



White



Bronze



Tinted Aluminum



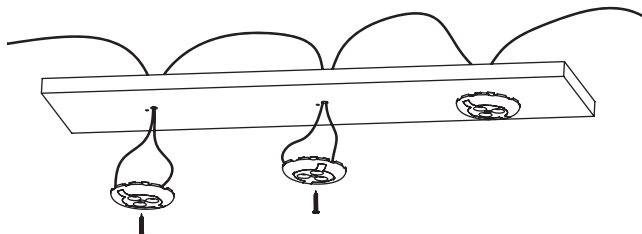
3 Light LED Disk Kit line art shown

Our LED Disk Lighting Kits offer two and three light, all-in-one packages for added convenience. Each package includes a plug-in 12v 30w zero load transformer, a LED Disk Connection Hub and all necessary mounting components. Up to six LED Disk Lights can be powered from one transformer and connection hub.

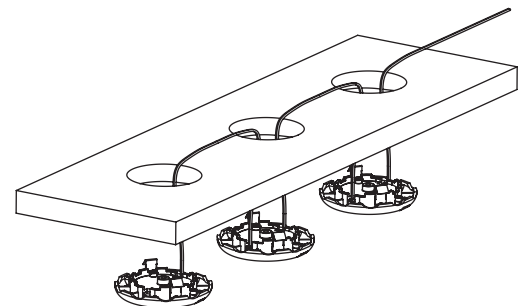
ITEM NUMBER	98852SW(-xx)	98853SW(-xx)	98862SW(-xx)	98863SW(-xx)
FINISH	(-12) Black, (-15) White, (-787) Bronze and (-986) Tinted Aluminum			
NUMBER OF DISKS	Two	Three	Two	Three
COLOR TEMPERATURE	2700K	2700K	3000K	3000K
VOLTAGE	12v AC			
TOTAL LUMENS	320	480	340	510
TOTAL POWER CONSUMPTION	8w	12w	8w	12w
EFFICACY	40 lm/w	40 lm/w	43 lm/w	43 lm/w
COLOR RENDERING INDEX	>85 CRI			
RATED AVERAGE LIFE	40,000 hours to 70%			
DIMMABLE <sup>(1)</sup>	Yes			
CERTIFICATION	cETL, damp rated			
MATERIAL	Low-profile, die-cast aluminum with captive screw and 36" linking cord			
INCLUDED ACCESSORIES	12V AC 30w Plug-in Transformer, LED Disk Connection Hub			

<sup>(1)</sup> Ambiance LED Disks are dimmable on magnetic and electronic low voltage systems. For magnetic systems, a standard incandescent or magnetic low voltage (MLV) dimmer can be used. For electronic, an electronic low voltage (ELV) dimmer is recommended. See page 114 for more on dimming.

MOUNTING OPTIONS



Surface mount via captive screw



Recessed Mount via 2 3/8" diameter hole

See [Ambiance-Lighting.com](http://Ambiance-Lighting.com) for additional photometric data.



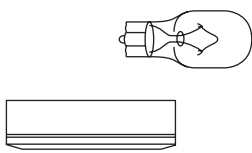
# XENON DISK LIGHTING

Ambiance® Disk Lighting offers functional and low-profile lighting while enhancing the appeal of your space. Disk lights can easily be surface or recess mounted. Optional trims help create a variety of lighting effects and reduce glare. Ambiance® Disk Lights can use 12v or 24v xenon or incandescent lamping and can be installed as stand-alone luminaires or added to any Class I Ambiance® Lx Cable Lighting System using our Fused Plugs (9488).

## CONFIGURE YOUR SYSTEM

STEP

1



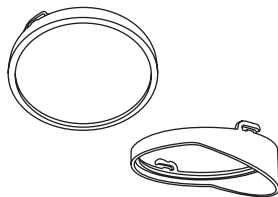
### CHOOSE DISKS & LAMPS

Select beam spread, number of disks, desired housing color and lamps based on the requirements of your project.

P. 78

STEP

2



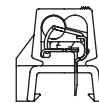
### SELECT OPTIONAL TRIMS

Order any desired trims and diffusers for glare control or lamp coverage.

P. 80

STEP

3



### CHOOSE WIRING ACCESSORIES

Disk lights are supplied with a cord and plug. Additional accessories are available for larger installations or connecting to existing systems.

P. 81

## DESIGN GUIDELINES

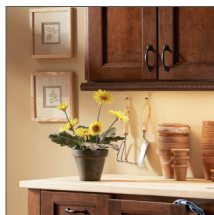
Our low-profile, traditional disk lighting allows you to shape the light just the way you need it. Choose from narrow or wide beam spreads and a variety of optional trims to create a one-of-a-kind look. Whether your goal is accent or task lighting, Ambiance® Disk Lights are a go-to choice for adding form and function.



IN CABINET



UNDER  
CABINET



TASK / ACCENT

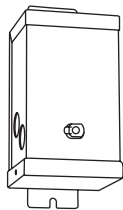


NICHES

## CONFIGURE YOUR SYSTEM

STEP

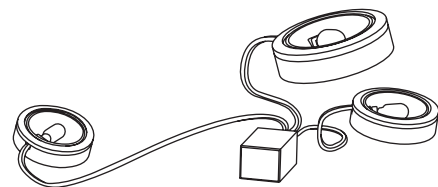
4



### SELECT TRANSFORMERS

Multiply the watts consumed per lamp by the number of lamps to determine transformer size. Use transformer 98175 to easily wire multiple 9858 disks using included plug output cords.

P. 81



### KITS

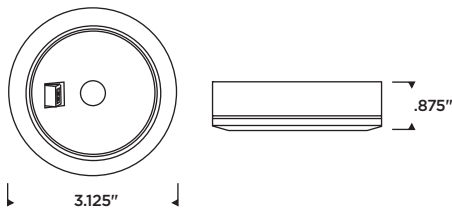
Pre-packaged two, three and five light kits are available including lamps, plug-in transformer and everything needed for a typical installation.

P. 82

## CHOOSE DISKS &amp; LAMPS

## INDIVIDUAL XENON DISK LIGHTS\*

Ambiance Disk Lighting offers functional and low-profile lighting, while enhancing the appeal of any space. Disk lights easily install as surface mount or recessed for a lower profile. Optional trims are also available for a variety of lighting effects and glare reduction. Ambiance Disk Lights should be used with a Class II transformer, or a Class I transformer with our Fused Plug (9488), track, and cable.



ITEM NUMBER	9485(-xx)	9858(-xx)
FINISH	(-12) Black, (-15) White, (-171) Bronze and (-962) Brushed Nickel	
REFLECTOR	Multi-faceted polished aluminum	Satin aluminum
VOLTAGE	12v and 24v	
BEAM SPREAD	NFL 24°, Accent	FL 40°, Task
LAMP TYPE	T5 Wedge	
MAX. WATTAGE	(1) 18w incandescent or xenon	
CERTIFICATION (Optional lens not required for listing)	cETL, damp location	
INCLUDED ACCESSORIES	36" 18/2 cord, surface mount ring and mounting screws	80" 18/2 cord & plug, surface mount ring and mounting screws
MATERIAL	Low-profile, polycarbonate housing	



Black



White

Antique  
BronzeBrushed  
Nickel

\*For pre-packaged kits, see page 82.

## LAMPING OPTIONS

ITEM NUMBER	9774	9775	9776	9777	9778
LAMP TYPE	T5 Xenon	T5 Xenon	T5 Incandescent	T5 Incandescent	T5 Incandescent
COLOR TEMPERATURE	2800K	2800K	2650K	2750K	2800K
VOLTAGE	12v AC	24v AC	12v AC	12v AC	12v AC
RATED WATTS	18w	18w	8w	12w	18w
POWER CONSUMPTION	16.2w	16.2w	8w	11.6w	16.2w
LUMENS	210	210	57	120	210
EFFICACY	13 lm/w	13 lm/w	7 lm/w	10 lm/w	13 lm/w
RATED AVERAGE LIFE	10,000 hours	2,000 hours	2,500 hours	2,000 hours	2,000 hours
LAMP BASE	Wedge				
MIN. SPACING	6" on center				
COLOR RENDERING INDEX	>90 CRI				
DIMMABLE	Yes				



# CHOOSE DISKS & LAMPS

## PHOTOMETRICS

9485 Photometrics using 9774 T5 Wedge Base Lamp

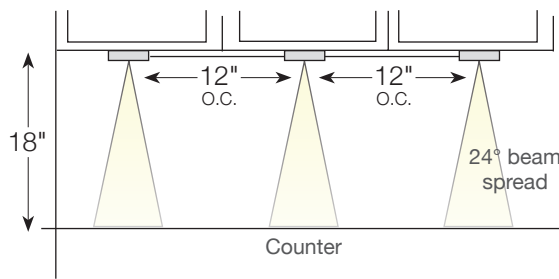
DISTANCE FROM SOURCE	DIAMETER IN FEET	FOOTCANDLES
1.5'	.6	267
2'	.9	150
3'	1.3	67
4'	1.7	38
6'	2.6	17
8'	3.4	9
10'	4.3	6

9858 Photometrics using 9774 T5 Wedge Base Lamp

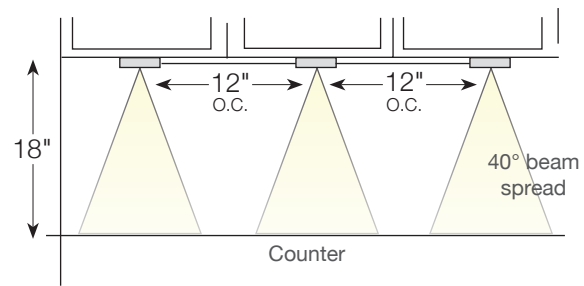
DISTANCE FROM SOURCE	DIAMETER IN FEET	FOOTCANDLES
1.5'	1.1	68
2'	1.5	42
3'	2.2	19
4'	2.9	11
6'	4.0	5
8'	5.8	3
10'	7.3	2

## APPLICATION GUIDE

### CHOOSING A BEAM SPREAD

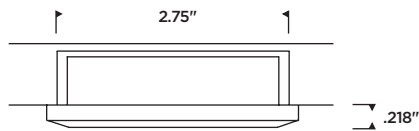


Accent lighting

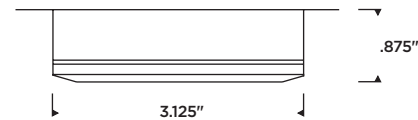


Task lighting

### HOW TO MOUNT OUR DISK LIGHTS



Recessed mount via 2 3/4" diameter hole



Surface mount via included surface mount ring

## SELECT OPTIMAL TRIMS

**GLASS DIFFUSER TRIM**

Etched glass diffuser trim provides soft illumination. Ideal for use in food preparation areas or where lamp cover is recommended. Glass shield not required for listing.

**9414-12**, black finish

**9414-15**, white finish

**9414-33**, etched finish

**9414-171**, antique bronze finish

**9414-962**, brushed nickel finish

D: 2.5" H: 0.25"



Black



White



Etched



Antique Bronze



Brushed Nickel

**TWIST-ON EYELID TRIM**

Polycarbonate twist-on eyelid trim shields glare while providing maximum light output.

**9451-12**, black finish

**9451-15**, white finish

**9451-171**, antique bronze finish

**9451-962**, brushed nickel finish

D: 2.5" H: 0.75"



Black



White



Antique Bronze



Brushed Nickel

**TWIST-ON HONEYCOMB TRIM**

Polycarbonate twist-on honeycomb louver trim provides a 45° glare cut-off.

**9452-12**, black finish

**9452-15**, white finish

**9452-171**, antique bronze finish

**9452-962**, brushed nickel finish

D: 2.5" H: 0.25"



Black



White



Antique Bronze



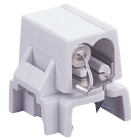
Brushed Nickel

**FUSED PLUG**

For powering multiple Ambiance low voltage luminaires from an Lx Cable System. See page 116 for detailed wiring information.

**9488-12**, black finish  
**9488-15**, white finish

L: 0.875" W: 0.75" H: 0.812"



**MINIATURE WIRING COMPARTMENT / SPLICER**

Polycarbonate splicer with cover for connection between transformer extension wire (i.e. Romex) and low voltage cable or Xenon Disk Connector.

**9459-12**, black finish  
**9459-15**, white finish

L: 2" W: 0.968" H: 0.625"



**NOTE:**

Refer to page 25 for additional Lx Cable System accessories that can be used with these disk lights.

SELECT TRANSFORMER

**RECOMMENDED ELECTRONIC TRANSFORMERS**

Our electronic transformers have soft-start circuitry that increases lamp life. They emit no audible noise, employ automatically resetting short circuit protection, are UL and cUL Listed, moisture and shock resistant and are dimmable. We recommend the transformers listed below, however, our disks are also compatible with all the 12v AC magnetic and zero-load electronic transformers on page 118.

**PLUG-IN 12V ELECTRONIC TRANSFORMERS**



**120W (2 X 60W) AC DUAL CLASS II**

UL 2108, flame resistant plastic enclosure. Complete with 8', 18/2 cord, quick connect plug and in-line on/off switch for easy attachment to input cable. Includes two Class II 60w outputs with three receptacles for 9858 disk lights on each output.

*Wattage: 2 x (15w-60w) Class II*  
*Input: 120v AC / Output: 12v AC*

**98175-12**, black finish

L: 5" W: 3.25" H: 1"

# KITS

## 2, 3 AND 5 LIGHT XENON DISK KITS

Our Xenon Disk Light Kits offer two, three and five light, all-in-one packages of our 9858 task disks. Each package comes complete with a 12v 120w (2 x 60w) plug-in transformer, 18w xenon T5 lamps and all necessary mounting components. The included 80" cords allow for reaching remote locations from one transformer.



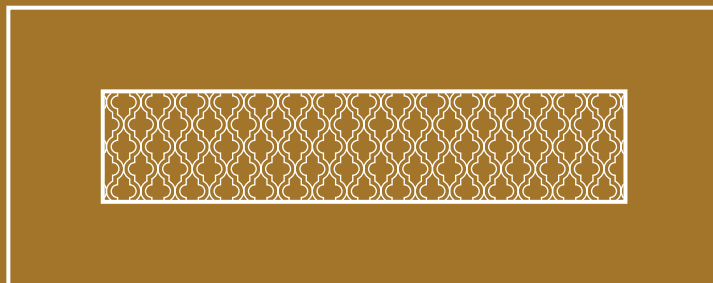
ITEM NUMBER	9897(-xx)	9898(-xx)	9899(-xx)
FINISH	(-12) Black, (-15) White, (-171) Antique Bronze and (-962) Brushed Nickel		
NUMBER OF DISKS	Two 9858 disks	Three 9858 disks	Five 9858 disks
REFLECTOR & BEAM SPREAD	Satin Aluminum, FL 40° Task		
COLOR TEMPERATURE	2800K		
VOLTAGE	12v		
RATED WATTS	36w	54w	90w
LAMPS INCLUDED	9774 - 12v 18w xenon T5 wedge base		
TOTAL LUMENS	420 total	630 total	1050 total
TOTAL POWER CONSUMPTION	32.4w	48.6w	81w
EFFICACY	13 lm/w		
COLOR RENDERING INDEX	>90 CRI		
RATED AVERAGE LIFE	10,000 hours		
DIMMABLE	Yes		
INCLUDED ACCESSORIES	Plug-in transformer, 80" cords for disk plug outlet, disk plug outlet, rotary switch, surface mount rings and mounting screws		
CERTIFICATION (Optional lens not required for listing)	cETL, damp location		
MATERIAL	Low-profile, polycarbonate housing		



DISK LIGHTING



# INDOOR/OUTDOOR LED STEP & BRICK LIGHTING





# INDOOR/OUTDOOR LED STEP & BRICK LIGHTING

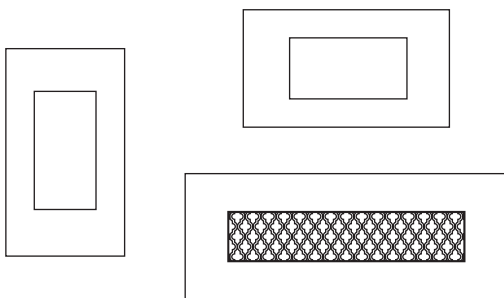
LED Step and the new LED Brick lights from Ambiance Lighting Systems are a perfectly balanced blend of the latest LED light guide technology with the high quality craftsmanship and beautiful design. We've taken the expertise from our broad line of task, accent and under cabinet lighting systems and applied it to a compact form factor to help you make an even bigger impact on the spaces you illuminate. Extensive use of high quality, die-cast metal and premium finishes ensure enduring aesthetic appeal while being backed by a five-year warranty. Whether used to illuminate outdoor spaces, accent steps, pathways or corridors both indoors and out, our new Brick and LED Step Lights, deliver safety and security with a designer flair.

## CONFIGURE YOUR SYSTEM

STEP  
**1**

### SELECT STEP OR BRICK LIGHT DESIGN

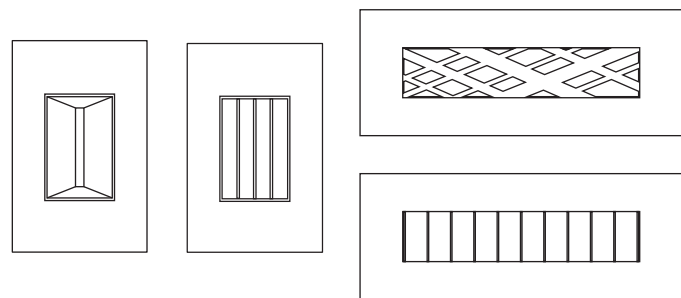
P. 88 & 92



STEP  
**2**

### CHOOSE FINISH & LAMPING

P. 88 & 92





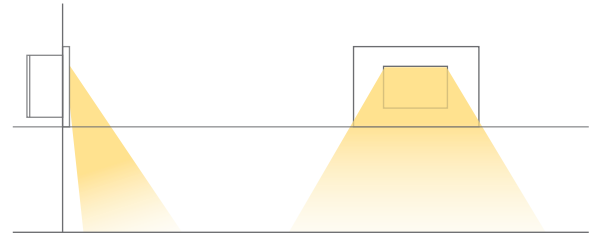
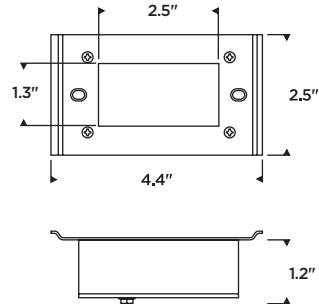
# DESIGN GUIDELINES

## OPTIMIZED PERFORMANCE

To optimize light output of each step and brick light fixture, we developed separate housings – one specially designed for horizontal applications, the other specially designed for vertical applications. Each housing's LED light guide is purpose-built to push the light down towards the floor at an assertive angle for excellent coverage as close to the wall as possible while throwing the remaining light outward for soft area illumination. Simply install the appropriately oriented housing following the system guidelines and attach the faceplate to complete the look.



Horizontal Step Lights

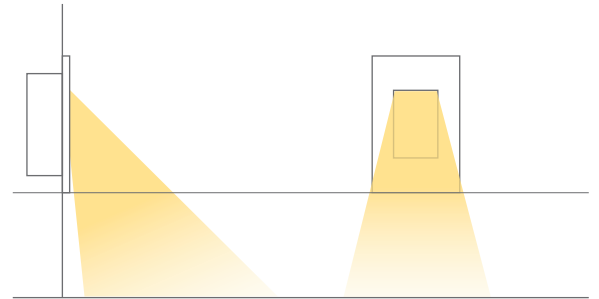
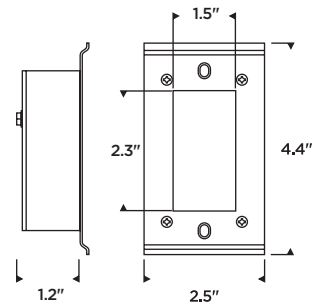


### HORIZONTAL

Horizontal orientation throws light in a wide pattern closer to the wall



Vertical Step Lights

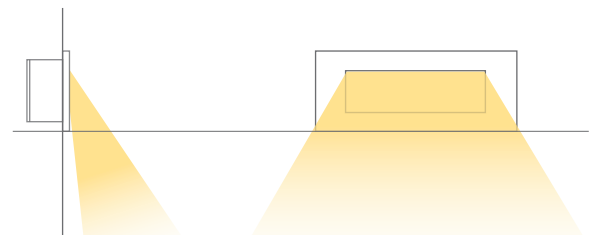
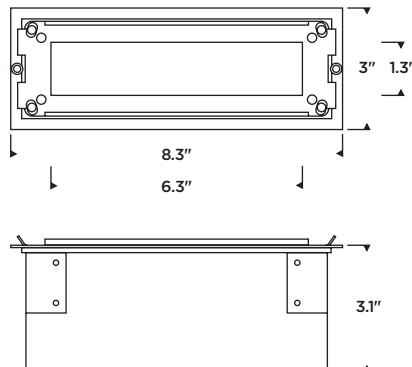


### VERTICAL

Vertical orientation throws light further from the wall in a narrow beam



Brick Lights



### HORIZONTAL

Horizontal orientation throws light in a wide pattern closer to the wall

LED STEP & BRICK LIGHTING

## CHOOSE YOUR DESIGN

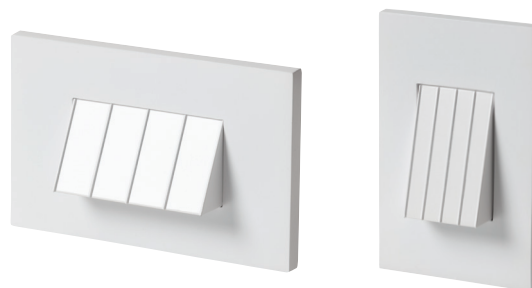


HORIZONTAL

VERTICAL

**LOUVER**

A modern, miniature interpretation of a classic louvered design provides great directional light control.



HORIZONTAL

VERTICAL

**TARPA**

This handsome design inspired by sleek metal awnings delivers ultimate directional light control.



HORIZONTAL

VERTICAL

**VITRA**

A simple, yet sophisticated design maximizes light output and delivers a clean, crisp aesthetic.

**SEAM**

Gentle inflections give way to a bold stripe of light in this ultra-modern, minimalist design.

**TRACERY**

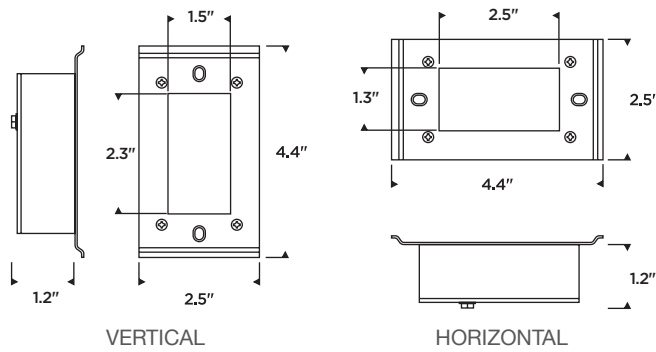
Echoes of ornamental metalwork are captured in this sophisticated, highly detailed design.

**TARTAN**

Classic plaid captured in die-cast metal creates a beautiful, asymmetric decorative pattern.

CHOOSE YOUR FINISH & LAMPING

LED STEP LIGHTING



STYLE	Louwer	Tarpa	Vitra	Seam	Tracery	Tartan
120V HORIZONTAL	93401S(-XX)	93403S(-XX)	93405S(-XX)	NA	93409S(-XX)	93410S(-XX)
120V HORIZONTAL TURTLE LIGHT	93481S(-XX)	93483S(-XX)	93485S(-XX)	NA	93489S(-XX)	93480S(-XX)
277V HORIZONTAL	93471S(-XX)	93473S(-XX)	93475S(-XX)	NA	93479S(-XX)	93470S(-XX)
277V HORIZONTAL TURTLE LIGHT	93491S(-XX)	93493S(-XX)	93495S(-XX)	NA	93499S(-XX)	93490S(-XX)
FINISH	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	NA	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel
FACE PLATE DIMENSIONS	4.7"L x 3"H x .37"D	4.7"L x 3"H x .94"D	4.7"L x 3"H x .27"D	NA	4.7"L x 3"H x .27"D	4.7"L x 3"H x .27"D

STYLE	Louwer	Tarpa	Vitra	Seam	Tracery	Tartan
120V VERTICAL	93402S(-XX)	93404S(-XX)	93406S(-XX)	93408S(-XX)	NA	NA
120V VERTICAL TURTLE LIGHT	93482S(-XX)	93484S(-XX)	93486S(-XX)	93488S(-XX)	NA	NA
277V VERTICAL	93472S(-XX)	93474S(-XX)	93476S(-XX)	93478S(-XX)	NA	NA
277V VERTICAL TURTLE LIGHT	93492S(-XX)	93494S(-XX)	93496S(-XX)	93498S(-XX)	NA	NA
FINISH	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	(-15) White (-171) Antique Bronze (-849) Satin Nickel	NA	NA
FACE PLATE DIMENSIONS	3"L x 4.7"H x .37"D	3"L x 4.7"H x .92"D	3"L x 4.7"H x .27"D	3"L x 4.7"H x .27"D	NA	NA

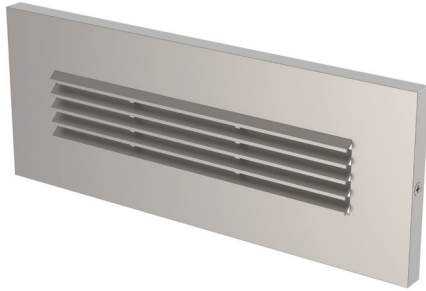
INPUT VOLTAGE	120v or 277v AC
OUTPUT	Up to 90 lumens
POWER CONSUMPTION	3.3w
EFFICACY	36 lm/w
COLOR TEMPERATURE	3000K
COLOR RENDERING INDEX	90 CRI
RATED AVERAGE LIFE	50,000 hrs to 70%
DIMMABLE	Down to 10% with ELV Dimmer (120v, 3000K units only)
LISTINGS	Suitable for indoor or outdoor installations. cETL and IP-65 Wet Listed.
INSTALLATION	Installs in a single, 2" x 4", switch box with a minimum depth of 2". Performs best when installed in the orientation specified.



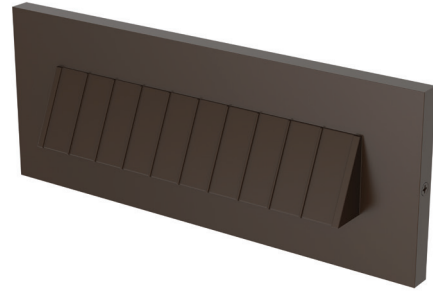


LED STEP & BRICK LIGHTING

## CHOOSE YOUR DESIGN

**LOUVER**

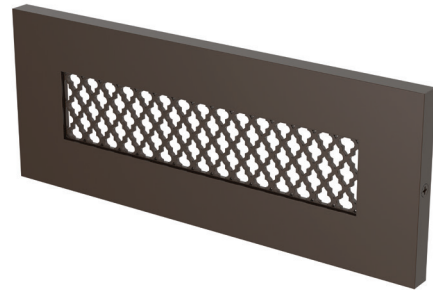
A modern, miniature interpretation of a classic louvered design provides great directional light control.

**TARPA**

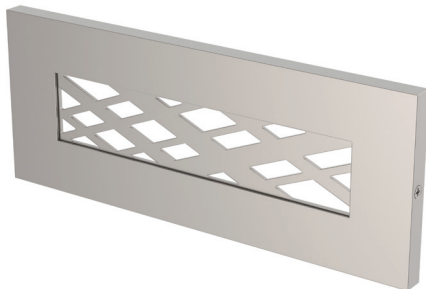
This handsome design inspired by sleek metal awnings delivers ultimate directional light control.

**VITRA**

A simple, yet sophisticated design maximizes light output and delivers a clean, crisp aesthetic.

**TRACERY**

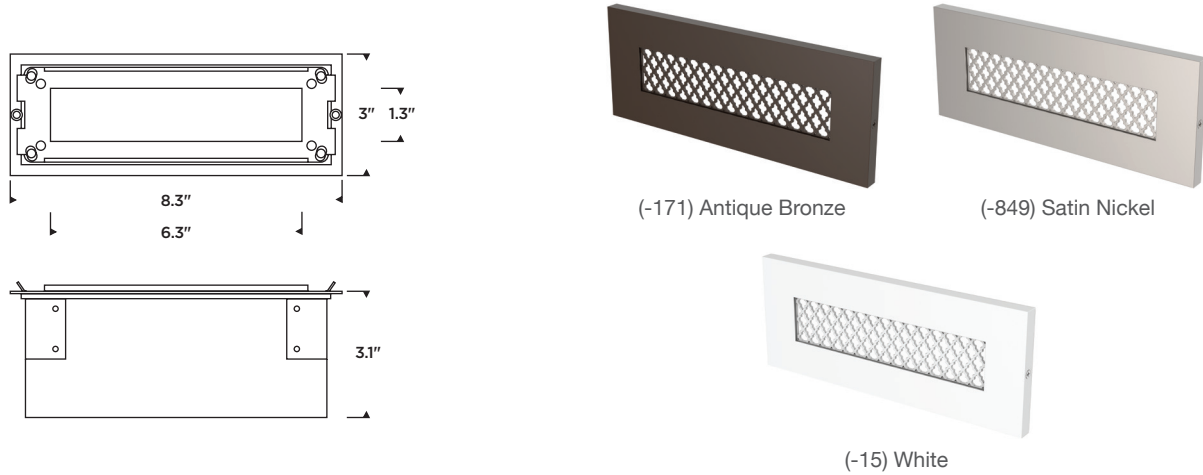
Echoes of ornamental metalwork are captured in this sophisticated, highly detailed design.

**TARTAN**

Classic plaid captured in die-cast metal creates a beautiful, asymmetric decorative pattern.

CHOOSE YOUR DESIRED FINISH & LAMPING

LED BRICK LIGHTS



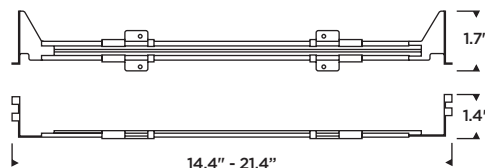
STYLE	Louver	Tarpa	Vitra	Tracery	Tartan
120V	94401S(-XX)	94403S(-XX)	94405S(-XX)	94407S(-XX)	94409S(-XX)
120V TURTLE	94471S(-XX)	94473S(-XX)	94475S(-XX)	94477S(-XX)	94479S(-XX)
277V	94481S(-XX)	94483S(-XX)	94485S(-XX)	94487S(-XX)	94489S(-XX)
277V TURTLE	94491S(-XX)	94493S(-XX)	94495S(-XX)	94497S(-XX)	94499S(-XX)
FACE PLATE DIMENSIONS	L:8.5" W:3.32" H:0.45"	L:8.5" W:3.32" H:1.02"	L:8.5" W:3.32" H:.385"	L:8.5" W:3.32" H:.385"	L:8.5" W:3.32" H:.385"
FINISH	(-15) White, (-171) Antique Bronze, (-849) Satin Nickel				
INPUT VOLTAGE	120v AC or 277v AC				
OUTPUT	Up to 300 Lumens				
POWER CONSUMPTION	8.6w (9.3w for Turtle)				
EFFICACY	35 lumens/watt				
COLOR TEMPERATURE	3000K				
COLOR RENDERING INDEX	90 CRI				
RATED AVERAGE LIFE	50,000 hrs to 70%				
DIMMABLE	Down to 10% with ELV Dimmer (120v, 3000K units only)				
LISTINGS	Suitable for indoor or outdoor installations. cETL and IP-65 Wet Listed				
INSTALLATION	Suitable for brick, poured concrete or interior/dry wall installation. For interior applications, mounting bracket # 94018 is required.				

INTERIOR WALL MOUNTING BRACKET

Use to mount Brick Light in interior walls.

94018

L: 14.4" - 21.4" H: 1.7"



LED STEP & BRICK LIGHTING







LED STEP & BRICK LIGHTING



# 120V RAIL SYSTEMS

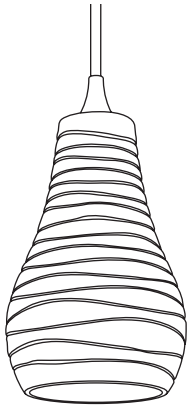




# TRANSITIONS

Ambiance® Transitions is the easy-to-install 120v rail lighting system. A variety of pendant and directional luminaire options are available including mono-point fixtures for stand-alone installation or addition to your rail system. Ambiance® Transitions makes it easy to create the rail-lighting look you want.

## CONFIGURE YOUR SYSTEM

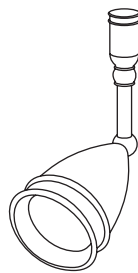


STEP  
**1A**

### CHOOSE PENDANT ASSEMBLIES & SHADES

Select from complete fixtures or pick your own pendant assembly and shade combination.

P. 100

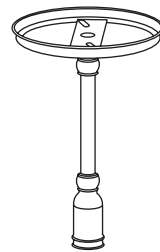


STEP  
**1B**

### CHOOSE DIRECTIONAL ASSEMBLIES & SHADES

Select from complete fixtures or pick your own directional assembly and shade combination.

P. 104



STEP  
**2**

### SELECT RAIL & CONNECTORS

Determine length of rail needed based on number of luminaires and desired spacing per your specifications. Connect sections of rail with the flexible angle or regular connectors.

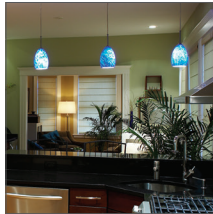
P. 108

## DESIGN GUIDELINES

Ambiance® Transitions is a versatile rail system that offers ease of installation and customization in one package. Choose from complete pendant and directional fixtures, or build your own with multiple luminaire assembly and shade choices. Three light pendant and directional kits are also available in select designs for added convenience.



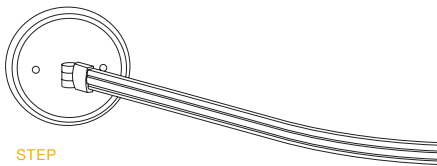
DIRECTIONAL



OVER COUNTER



RETAIL /  
COMMERCIAL



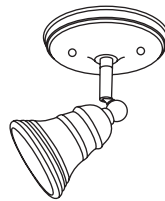
STEP

3

### SELECT MOUNTING COMPONENTS

Identify desired power feed canopy and necessary support adapters based on length of rail and placement. Rail requires support every 2' to 3' depending on the number of luminaires and bend configuration.

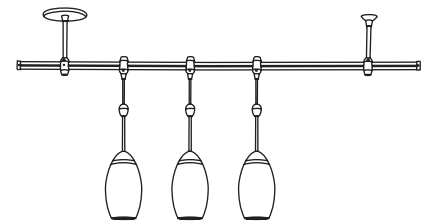
P. 109



### DIRECTIONAL MONO-POINTS

Complete directional mono-point fixtures including glass, lamp and canopy for wall or ceiling installation.

P. 111



### RAIL KITS

Complete pendant and directional rail systems. Includes lamps, assemblies, shades, 4' of rail, power feed canopy adapter, field adjustable wire and all mounting hardware required for typical installation.

P. 112

## COMPLETE FIXTURES

## URBAN LOFT PENDANT FIXTURE

Antique Brushed Nickel Finish with Opal Cased Etched Glass and chrome accent ring. Use on Transitions Rail Systems or as a mono-point. Supplied with 40w 120v T4 G9 halogen lamp, shade, canopy, hanging hardware and 8' of field adjustable wire.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94562-965**, antique brushed nickel finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 4.375" H: 16.312" O: 114.812"



## TRENTON PENDANT FIXTURE

Antique Bronze Finish with Dusted Ivory Glass. Use on Transitions Rail Systems or as a mono-point. Supplied with 40w 120v T4 G9 halogen lamp, shade, canopy, hanging hardware and 8' of field adjustable wire.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94561-71**, antique bronze finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 5.187" H: 14.646" O: 114.386"



## SARATOGA PENDANT FIXTURE

Antique Bronze Finish with Ember Glow Glass. Use on Transitions Rail Systems or as a mono-point. Supplied with 40w 120v T4 G9 halogen lamp, shade, canopy, hanging hardware and 8' of field adjustable wire.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94560-71**, antique bronze finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 6.125" H: 19.562" O: 118.125"



## TORRY PENDANT FIXTURE

Antique Brushed Nickel Finish with Satin Etched Glass. Use on Transitions Rail Systems or as a mono-point. Supplied with 40w 120v T4 G9 halogen lamp, shade, canopy, hanging hardware and 8' of field adjustable wire.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94563-965**, antique brushed nickel finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 5.281" H: 15.312" O: 114.187"



## NOTE:

If you select one of these complete pendant fixtures you can proceed to page 108 to select rail and connectors.

## CHOOSE PENDANT FIXTURES

## BUILD YOUR OWN FIXTURES

## MEDIUM BASE PENDANT ASSEMBLY

Supplied with optional canopy, hanging hardware and 8' of field adjustable wire. Choose any appropriate A-type lamp, including our A19 LED lamps located on page 122 (sold separately).

Wattage: *M* 100w max.

**94554-71**, antique bronze finish

**94554-965**, antique brushed nickel finish

D: 1.125" H: 12.625" O: 133.375"

**94555-71**, antique bronze finish

**94555-965**, antique brushed nickel finish

D: 1.063" H: 12.625" O: 133.375"



Traditional Style: 94554 Contemporary Style: 94555 Lamp Base

## GU10 BASE PENDANT ASSEMBLY

Supplied with optional canopy, hanging hardware and 8' of field adjustable wire. Select from the 120v MR/MRC16 GU10 lamps on page 122 (sold separately).

Wattage: 50w max. 120v MR/MRC16 GU10

**94553-71**, antique bronze finish

**94553-965**, antique brushed nickel finish

D: 1.125" H: 11.75" O: 109.375"

**94552-71**, antique bronze finish

**94552-965**, antique brushed nickel finish

D: 1.063" H: 11.75" O: 109.375"



Traditional Style: 94553 Contemporary Style: 94552 Lamp Base

## G9 BASE PENDANT ASSEMBLY

Supplied with 40w 120v T4 G9 halogen lamp, optional canopy, hanging hardware and 8' of field adjustable wire.

Wattage: 40w max. 120v T4 G9 Halogen

**94570-71**, antique bronze finish

**94570-965**, antique brushed nickel finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 1" H: 12.156" O: 112.625"

**94571-71**, antique bronze finish

**94571-965**, antique brushed nickel finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 1" H: 12.156" O: 112.437"



Traditional Style: 94570 Contemporary Style: 94571 Lamp Base

## GU24 BASE PENDANT ASSEMBLY

Supplied with 13w GU24 self-ballasted lamp (120v NPF), optional canopy, hanging hardware and 8' of field adjustable wire.

Wattage: 13w max. 120v GU24 Self Ballasted Lamp (NPF)

**94620-71**, antique bronze finish

**94620-965**, antique brushed nickel finish

**Replacement Lamp:** 97102 (page 122)

D: 1" H: 12.125" O: 111.125"

**94621-71**, antique bronze finish

**94621-965**, antique brushed nickel finish

**Replacement Lamp:** 97102 (page 122)

D: 1" H: 12.125" O: 111.125"



Traditional Style: 94620 Contemporary Style: 94621 Lamp Base

**NOTE:** Choose your pendant shades next on page 102.

## CHOOSE PENDANT SHADES



94377-6131



94374-6137



94375-6135



94372-6125



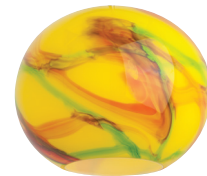
94373-6123



94373-6124



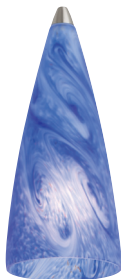
94230-6032



94290-6066



94353-645



94353-648



94371-6121



94380-962

PART NUMBER	NAME	MATERIAL	DIMENSIONS	COMPATIBLE ASSEMBLIES
94377-6131	Andorra	Cased Amber Ribbed Glass	D: 4.625" H: 4.625"	GU10 and G9
94374-6137	Fossil	Cased Amber Glass with Fossil Pattern	D: 4.5" H: 7.75"	All
94375-6135	Bianca	Cased White and Amber Glass with Engraved Pattern	D: 5.375" H: 8.375"	All
94372-6125	Conner	Cased Opal Ribbed Glass	D: 2.75" H: 7.625"	GU10 and G9
94373-6123	Glacier Blue	Glacier Blue Crackle Glass	D: 2.75" H: 7.5"	GU10 and G9
94373-6124	Bamboo Green	Bamboo Green Crackle Glass	D: 2.75" H: 7.5"	GU10 and G9
94230-6032	Fireball	Cased Fireball Glass	D: 7.687" H: 7.375"	All
94290-6066	Mystique	Blown Mystique Glass	D: 8.25" H: 6.75"	All
94353-645	White Rhapsody	Cased White Rhapsody Glass	D: 4.5" H: 10.5"	All
94353-648	Blue Rhapsody	Blue Swirl Glass	D: 4.5" H: 10.5"	All
94371-6121	Honey Drop	Honey Cased Glass	D: 6.187" H: 6.562"	All
94380-962	Space Ball	Brushed Nickel Shade over Cased Opal Etched Glass	D: 4.562" H: 5.813"	GU10 and G9



## CHOOSE PENDANT SHADES



94228-6026



94229-6029



94229-6030



94229-6028



94223-699



94227-6011



94233-6035



94235-6037

PART NUMBER	NAME	MATERIAL	DIMENSIONS	COMPATIBLE ASSEMBLIES
94228-6026	Opal Rain	Opal Rain Glass	D: 6.3125" H: 11"	All
94229-6029	Vanilla Crème	Vanilla Crème Glass	D: 4.5" H: 9.687"	All
94229-6030	Fuego	Fuego Glass	D: 4.5" H: 9.687"	All
94229-6028	Caramel Swirl	Caramel Swirl Glass	D: 4.5" H: 9.687"	All
94223-699	Amber Onyx	Amber Onyx Stone	D: 5.687" H: 5.812"	All
94227-6011	Molten Red	Red/Black Gravel Glass	D: 6.25" H: 9.375"	All
94233-6035	Stargazer	Cased Starlight Blue Glass	D: 5.187" H: 7.875"	All
94235-6037	Butterscotch	Butterscotch Glass	D: 4.312" H: 9.812"	GU10, G9 and GU24

**NOTE:**

After selecting pendant assemblies and shades, proceed to page 108 to select rail and connectors.

## COMPLETE FIXTURES

## URBAN LOFT DIRECTIONAL FIXTURE

Antique Brushed Nickel Finish with Opal Cased Etched Glass and chrome accent ring. Mount on Transitions 120v Rail Systems. 40w 120v T4 G9 halogen lamp and shade included.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94537-965**, antique brushed nickel finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 3.468" L: 3.937" H: 4.593"



## SARATOGA DIRECTIONAL FIXTURE

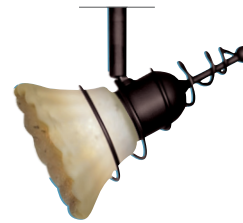
Antique Bronze Finish with Ember Glow Glass. Mount on Transitions 120v Rail Systems. 40w 120v T4 G9 halogen lamp and shade included.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94535-71**, antique bronze finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 3.75" L: 6.062" H: 5.75"



## TRENTON DIRECTIONAL FIXTURE

Antique Bronze Finish with Dusted Ivory Glass. Mount on Transitions 120v Rail Systems. 40w 120v T4 G9 halogen lamp and shade included.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94536-71**, antique bronze finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 3.425" L: 4" H: 6.531"



## TORRY DIRECTIONAL FIXTURE

Antique Brushed Nickel Finish with Satin Etched Glass. Mounts on Transitions 120v Rail Systems. 40w 120v T4 G9 halogen lamp and shade included.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94538-965**, antique brushed nickel finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 3.071" L: 4.035" H: 4.962"



## CONTEMPORARY DIRECTIONAL FIXTURE

Antique Bronze or Antique Brushed Nickel Finish. Mounts on Transitions 120v Rail Systems. Includes shade. Uses 120v MR/MRC16 GU10 lamps on page 122 (sold separately).

*Wattage: 50w max. 120v MR/MRC16 GU10 Halogen or LED*

**94895-71**, antique bronze finish

**94895-965**, antique brushed nickel finish

D: 3.187" L: 4.437" H: 4.562"



## TRADITIONAL DIRECTIONAL FIXTURE

Antique Bronze or Antique Brushed Nickel Finish. Mounts on Transitions 120v Rail Systems. Includes shade. Uses 120v MR/MRC16 GU10 lamps on page 122 (sold separately).

*Wattage: 50w max. 120v MR/MRC16 GU10 Halogen or LED*

**94896-71**, antique bronze finish

**94896-965**, antique brushed nickel finish

D: 3.375" L: 4.75" H: 5.062"



## NOTE:

If you select one of these complete directional fixtures, proceed to page 108 to select rail and connectors.

## CHOOSE DIRECTIONAL FIXTURES

## COMPLETE FIXTURES

## TRANSITIONAL DIRECTIONAL FIXTURE

Antique Bronze or Antique Brushed Nickel Finish. Mounts on Transitions 120v Rail Systems. Includes shade. Uses standard 120v PAR20 lamp (sold separately). Easily converts to LED using 120v PAR20 LED lamps on page 122.

*Wattage: 50w max. 120v PAR20 Halogen or LED*

**94729-71**, antique bronze finish

**94729-965**, antique brushed nickel finish

D: 3.25" L: 5.25" H: 4.5"



## TRANSITIONAL DIRECTIONAL FIXTURE

Antique Bronze or Antique Brushed Nickel Finish. Mounts on Transitions 120v Rail Systems. Includes shade. Uses standard 120v PAR20 lamp (sold separately). Easily converts to LED using 120v PAR20 LED lamps on page 122.

*Wattage: 50w max. 120v PAR20 Halogen or LED*

**94730-71**, antique bronze finish

**94730-965**, antique brushed nickel finish

D: 3.437" L: 5.375" H: 4.875"



## TRANSITIONAL DIRECTIONAL FIXTURE

Antique Bronze or Antique Brushed Nickel Finish. Mounts on Transitions 120v Rail Systems. Includes shade. Uses standard 120v PAR30 lamp (sold separately). Easily converts to LED using 120v PAR30 LED lamps on page 122.

*Wattage: 75w max. 120v PAR30 Halogen or LED*

**94731-71**, antique bronze finish

**94731-965**, antique brushed nickel finish

L: 6.187" H: 6.719" O: 6.25"



**NOTE:** If you select one of these complete directional fixtures, proceed to page 108 to select rail and connectors.

## BUILD YOUR OWN FIXTURE

## RAIL MOUNT TRANSITIONAL DIRECTIONAL ASSEMBLY

Antique Bronze or Antique Brushed Nickel Finish. Mounts on Transitions 120v Rail Systems. 50w 120v MR/MRC16 GU10 halogen lamp included. Converts easily to LED with MR16 GU10 LED lamps on page 122 (sold separately).

*Wattage: 50w max. 120v MR/MRC16 GU10 Halogen*

**94720-71**, antique bronze finish

**94720-965**, antique brushed nickel finish

**Replacement Lamps:** MR/MRC16 GU10 LED or Halogen (page 122).

D: 2" L: 4" H: 4.5" O: 6"



## RAIL MOUNT CONTEMPORARY DIRECTIONAL ASSEMBLY

Antique Bronze or Antique Brushed Nickel Finish. Mounts on Transitions 120v Rail Systems. 40w 120v T4 G9 halogen lamp included.

*Wattage: 40w max. 120v T4 G9 Halogen*

**94726-71**, antique bronze finish

**94726-965**, antique brushed nickel finish

**Replacement Lamps:** 97032-32 or 97037-32 (page 122)

D: 1.812" L: 3.687" H: 4.312" O: 5.812"



**NOTE:** Choose your directional shades on page 106.

## CHOOSE DIRECTIONAL SHADES



94391-6125



94398-6137



94392-6135



94395-6123



94395-6124



94385-6121

PART NUMBER	NAME	MATERIAL	DIMENSIONS	COMPATIBLE ASSEMBLIES
94391-6125	Andorra	Cased Opal Ribbed Glass	D: 3.656" H: 2.812"	All
94398-6137	Fossil	Cased Amber Glass with Fossil Pattern	D: 3.125" H: 3.625"	All
94392-6135	Bianca	Cased White and Amber Glass with Engraved Pattern	D: 3.625" H: 2.968"	All
94395-6123	Glacier Blue	Glacier Blue Crackle Glass	D: 3" H: 3.031"	All
94395-6124	Bamboo Green	Bamboo Green Crackle Glass	D: 3" H: 3.031"	All
94385-6121	Honey Drop	Honey Cased Glass	D: 3.437" H: 3"	All

**NOTE:**

After selecting directional assemblies and shades, proceed to page 108 to select rail and connectors.



94387-607



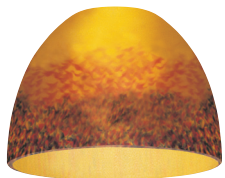
94364-71



94364-98



94363-645



94363-649

120V RAIL SYSTEMS

PART NUMBER	NAME	MATERIAL	DIMENSIONS	COMPATIBLE ASSEMBLIES
94387-607	Bristol	Cased Opal Etched Glass	D: 3.28" H: 2.937"	All
94364-71	Metal Dome Shade	Antique Bronze Finish	D: 3.062" H: 2.59"	94726 and 94727
94364-98	Metal Dome Shade	Brushed Stainless Finish	D: 3.062" H: 2.59"	94726 and 94727
94363-645	Glass Dome Shade	Cased Opal Etched Glass	D: 3.062" H: 2.625"	94726 and 94727
94363-649	Glass Dome Shade	Amber Rhapsody Glass	D: 3.062" H: 2.625"	94726 and 94727

## SELECT RAIL &amp; CONNECTORS

**4' SINGLE CIRCUIT RAIL**

Field cuttable and bendable rail accommodates 20 amps at 120v. Rail is bendable by hand or with bending tool. Two 12 AWG conductors in thermoplastic insulators. Complete with two end caps. Select optional power feeds, support adapters or joiners. Minimum bending radius is 12".

**94840-71**, antique bronze finish  
**94840-965**, antique brushed nickel finish  
 L: 4' W: 0.312" H: 0.875"

**RAIL FLEXIBLE ANGLE CONNECTOR**

Flexible, conductive joiner. Electrically connect two sections of rail. Rotates 100° both directions. 20 amp max. at 120v. Rail slides tightly into connector. Phillips head grounding set screw holds rail in place. No disassembly of connector required.

**94847-71**, antique bronze finish  
**94847-965**, antique brushed nickel finish  
 L: 4.375" W: 1.062" H: 1"

**8' SINGLE CIRCUIT RAIL**

Field cuttable and bendable rail accommodates 20 amps at 120v. Rail is bendable by hand or with bending tool. Two 12 AWG conductors in thermoplastic insulators. Complete with two end caps. Select optional power feeds, support adapters or joiners. Minimum bending radius is 12".

**94841-71**, antique bronze finish  
**94841-965**, antique brushed nickel finish  
 L: 8' W: 0.312" H: 0.875"

**RAIL FIELD BENDING KIT**

For field bending 94840 and 94841 rails. Adjust roller to bend rail to desired radius. Use multiple "pass throughs" to achieve smooth bend. Minimum bending radius is 12".

**94130-12**, black finish  
 L: 7.75" W: 6" H: 9.75"

**RAIL CONNECTOR**

Electrically or mechanically connects two sections of rail. Remove contacts for mechanical, non-conductive joiner. 20 amp max. at 120v. Rail slides tightly into connector. Phillips head grounding set screw holds rail in place. No disassembly of connector required.

**94842-71**, antique bronze finish  
**94842-965**, antique brushed nickel finish  
 L: 1.375" W: 1.625" H: 1.062"



## SELECT MOUNTING COMPONENTS

**POWER FEED CANOPY ADAPTER**

Ceiling mount and attach at any point along the rail. Mounts to a standard 4" junction box. Single circuit with 6' long 12 AWG supply wires. Use with stem extensions if desired. 20 amps at 120v.

**94843-71**, antique bronze finish

**94843-965**, antique brushed nickel finish

D: 5.125" W: 5.697" O: 7.187"

**94844-71**, antique bronze finish

**94844-965**, antique brushed nickel finish

D: 5" H: 5.875" O: 7.375"



Traditional Style: 94843 Contemporary Style: 94844

**FLEXIBLE POWER FEED CANOPY ADAPTER**

Single circuit 10', 12 AWG supply wires. Use for feeding from remote standard 4" junction box. Field cuttable 10' wire and flexible cover. 20 amps at 120v.

**94856-71**, antique bronze finish

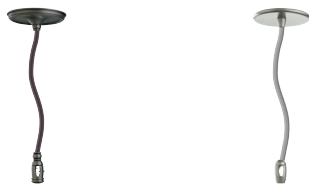
**94856-965**, antique brushed nickel finish

D: 5.125" O: 124.312"

**94857-71**, antique bronze finish

**94857-965**, antique brushed nickel finish

D: 5" O: 123.375"



Traditional Style: 94856 Contemporary Style: 94857

**SWIVEL POWER FEED CANOPY ADAPTER**

Cathedral ceiling mount, attach at any point along rail. Mounts to standard 4" junction box. Single circuit with 6' long 12 AWG supply wires. Use with stem extensions if desired. Supports vertical to 90°. 20 amps at 120v.

**94854-71**, antique bronze finish

**94854-965**, antique brushed nickel finish

D: 5.125" H: 9.562" O: 11"

**94855-71**, antique bronze finish

**94855-965**, antique brushed nickel finish

D: 5.125" H: 9.562" O: 11"



Traditional Style: 94854

Contemporary Style: 94855

**SUPPORT ADAPTER**

Non-electrified adapter attaches at any point along the rail. Use with stem extensions if desired. Complete with mounting hardware. Use with optional power feeds when rail is ceiling mounted. Support rail every 2' to 3' depending on the quantity of fixtures and the bend configuration of the rail.

**94850-71**, antique bronze finish

**94850-965**, antique brushed nickel finish

D: 1.812" W: 5.687" O: 7.187"

**94851-71**, antique bronze finish

**94851-965**, antique brushed nickel finish

D: 1.812" H: 5.875" O: 7.375"



Traditional Style: 94850 Contemporary Style: 94851

**CABLE SUPPORT ADAPTER**

10' field adjustable air-craft cable. Use where non-visible floating rail support look is desired. Complete with mounting hardware and non-electrified adapter. Support rails every 2' to 3' depending on the quantity of fixtures and the bend configuration of the rail.

**94846-71**, antique bronze finish

**94846-965**, antique brushed nickel finish

D: 1.812" W: 1.312" O: 120"

**94845-71**, antique bronze finish

**94845-965**, antique brushed nickel finish

D: 1.812" H: 1.312" O: 120"



Traditional Style: 94846 Contemporary Style: 94845

**SWIVEL SUPPORT ADAPTER**

Mechanically supports rail on cathedral ceilings. Use interconnecting stems if desired. Supports vertical to 90°. Complete with mounting hardware and non-electrified adapter.

**94860-71**, antique bronze finish

**94860-965**, antique brushed nickel finish

D: 5.125" H: 9.562" O: 11"

**94861-71**, antique bronze finish

**94861-965**, antique brushed nickel finish

D: 5.125" H: 9.562" O: 11"



Traditional Style: 94860 Contemporary Style: 94861

## SELECT MOUNTING COMPONENTS

## WALL POWER FEED / SUPPORT

Electrically feeds and supports rail from wall. Single circuit 30" long 12 AWG supply wires. Use with interconnecting stem extensions if desired (max. distance from wall is 30"). Field adjustable aircraft cable support. Complete with canopy and mounting hardware. Mounts to standard junction box. 20 amps at 120v.

**94848-71**, antique bronze finish  
**94848-965**, antique brushed nickel finish

W: 5.125" Ext: 8" to 30"

**94849-71**, antique bronze finish  
**94849-965**, antique brushed nickel finish

W: 5" Ext: 8" to 30"



Traditional Style: 94848 Contemporary Style: 94849

## FLEXIBLE WALL POWER FEED CANOPY

Electrically feeds from end of the rail. Complete with canopy and mounting hardware. Mounts to a standard 4" junction box. Rotates 50° both directions. 20 amps at 120v. Rail slides tightly into connector. Phillips head grounding set screw holds rail in place. No disassembly required.

**94852-71**, antique bronze finish  
**94852-965**, antique brushed nickel finish

D: 5" Ext: 2.875"

**94853-71**, antique bronze finish  
**94853-965**, antique brushed nickel finish

D: 5.125" Ext: 3.5"



Traditional Style: 94852 Contemporary Style: 94853

## SUPPORT CONNECTOR

Electrically feeds, supports and connects two sections of rail (or) remove contacts for mechanical, non-conductive joiner. Use with interconnecting stem extensions if desired. 20 amps at 120v.

**94862-71**, antique bronze finish  
**94862-965**, antique brushed nickel finish

W: 4.625" H: 5.687" O: 7.25"

**94863-71**, antique bronze finish  
**94863-965**, antique brushed nickel finish

W: 4.625" H: 5.687" O: 7.31"



Traditional Style: 94862 Contemporary Style: 94863

## WALL SUPPORT

Mechanically supports rail from wall. Use with interconnecting stems if desired (max. distance from wall is 30"). Field adjustable aircraft cable support. Complete with all mounting hardware and non-electrified adapter. Use with optional power feeds when wall mounting is desired.

**94858-71**, antique bronze finish  
**94858-965**, antique brushed nickel finish

D: 5.125" H: 9.562" O: 11"

**94859-71**, antique bronze finish  
**94859-965**, antique brushed nickel finish

D: 5.125" H: 9.562" O: 11"



Traditional Style: 94850 Contemporary Style: 94851

## 6" STEM EXTENSION

Use in conjunction with rail feed and support adapters. Stems interconnect with internal threads.

**94806-71**, antique bronze finish  
**94806-965**, antique brushed nickel finish

L: 6" D: 0.5"



## 12" STEM EXTENSION

Use in conjunction with rail feed and support adapters. Stems interconnect with internal threads.

**94807-71**, antique bronze finish  
**94807-965**, antique brushed nickel finish

L: 12" D: 0.5"





# COMPLETE DIRECTIONAL MONO-POINT FIXTURES

## TRENTON DIRECTIONAL MONO-POINT

Antique Bronze Finish with Dusted Ivory Glass. Mounts on wall or ceiling. Includes 40w 120v T4 G9 halogen lamp and shade.

*Wattage: 40w max. 120v T4 G9 halogen*

**94883-71**, antique bronze finish  
**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

D: 3.425" L: 5.709" H: 6.614"



## TRADITIONAL DIRECTIONAL MONO-POINT

Antique Bronze or Antique Brushed Nickel Finish. Mounts on wall or ceiling. Includes shade. Select from 120v MR/MRC16 GU10 lamps on page 122.

*Wattage: 50w max. 120v MR/MRC16 GU10 Halogen or LED*

**94898-71**, antique bronze finish  
**94898-965**, antique brushed nickel finish

D: 3.375" L: 6.5" H: 5"



## CONTEMPORARY DIRECTIONAL MONO-POINT

Antique Bronze or Antique Brushed Nickel Finish. Mounts on wall or ceiling. Includes shade. Select from 120v MR/MRC16 GU10 lamps on page 122.

*Wattage: 50w max. 120v MR/MRC16 GU10 Halogen or LED*

**94897-71**, antique bronze finish  
**94897-965**, antique brushed nickel finish

D: 3.1875" L: 6.25" H: 4.25"



## RAIL KITS

### COMPLETE THREE LIGHT PENDANT RAIL KITS

#### SARATOGA PENDANT KIT

Includes three pendants in Antique Bronze Finish with Ember Glow Glass, (3) 40w 120v T4 G9 halogen lamps and shades, 4' extruded aluminum rail with 12 gauge conductors and two ends, power feed canopy adapter, mounting hardware and 8' of adjustable wire.

*Wattage: (3) 40w max. 120v T4 G9 Halogen*

**94512-71**, antique bronze ember glow glass finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

L: 47.625"



#### TRENTON PENDANT KIT

Includes three pendants in Antique Bronze Finish with Dusted Ivory Glass, (3) 40w 120v T4 G9 halogen lamps and shades, 4' extruded aluminum rail with 12 gauge conductors and two ends, power feed canopy adapter, mounting hardware and 8' of adjustable wire.

*Wattage: (3) 40w max. 120v T4 G9 Halogen*

**94514-71**, antique bronze dusted ivory glass finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

L: 47.625"



## COMPLETE THREE LIGHT DIRECTIONAL RAIL KITS

## URBAN LOFT DIRECTIONAL KIT

Includes three directional fixtures in Antique Brushed Nickel Finish with Opal Cased Etched Glass, Chrome Accent Ring, (3) 40w 120v T4 G9 halogen lamps and shades, 4' extruded aluminum rail with 12 gauge connectors and two ends, power feed canopy adapter, mounting hardware and 8' of adjustable wire.

Wattage: (3) 40w max. 120v T4 G9 Halogen

**94515-965**, antique brushed nickel cased opal etched glass finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

L: 47.625"



## SARATOGA DIRECTIONAL KIT

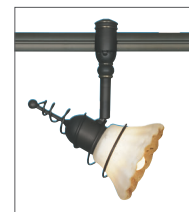
Includes three directional fixtures in Antique Bronze Finish with Ember Glow Glass, (3) 40w 120v T4 G9 halogen lamps and shades, 4' extruded aluminum rail with 12 gauge conductors and two ends, power feed canopy adapter, mounting hardware and 8' of adjustable wire.

Wattage: (3) 40w max. 120v T4 G9 Halogen

**94511-71**, antique bronze ember glow glass finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

L: 47.625"



## TRENTON DIRECTIONAL KIT

Includes three directional fixtures in Antique Bronze Finish with Dusted Ivory Glass, (3) 40w 120v T4 G9 halogen lamps and shades, 4' extruded aluminum rail with 12 gauge conductors and two ends, power feed canopy adapter, mounting hardware and 8' of adjustable wire.

Wattage: (3) 40w max. 120v T4 G9 Halogen

**94513-71**, antique bronze dusted ivory glass finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

L: 47.625"



## TORRY DIRECTIONAL KIT

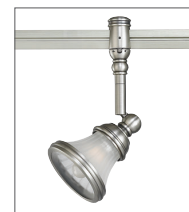
Includes three directional fixtures in Antique Brushed Nickel Finish with Satin Etched Glass, (3) 40w 120v T4 G9 halogen lamps and shades, 4' extruded aluminum rail with 12 gauge conductors and two ends, power feed canopy adapter, mounting hardware and 8' of adjustable wire.

Wattage: (3) 40w max. 120v T4 G9 Halogen

**94517-965**, antique brushed nickel satin etched glass finish

**Replacement Lamp:** 97032-32 or 97037-32 (page 122)

L: 47.625"



# TECHNICAL INFORMATION

## ELECTRONIC TRANSFORMERS

Electronic transformers range in size from single output 60w (Class II), dual output 60w (120w total) and single output 150w (Class I). Our transformers run quiet, are instant-on, feature fire-rated housings and dim easily with electronic low-voltage (ELV) dimmers. Ambiance Electronic Transformers specify whether they have a minimum load requirement — starting at 15w — or whether they are zero-load capable. Zero-load transformers have been designed for the low wattage draws of LED technology. For proper operation of an electronic transformer, the wattage load must fall within the specified range. Ambiance Electronic Transformers are moisture and shock resistant, featuring soft start circuitry for increased lamp life. Electronic transformers, as with many electronic components, may cause radio frequency interference (RFI). Ambiance electronic transformers have built-in filters to help eliminate RFI. Should RFI be noticeable, rotate the unit to change the direction of the electronic field or replace with a magnetic transformer, which will not cause RFI.

## MAGNETIC TRANSFORMERS

Ambiance laminated magnetic transformers are core and coil, isolated type transformers. We offer several sizes of laminated magnetic transformers ranging from 150 to 600w at 12v, and 250 to 1000w at 24v. Each transformer features thermal protection on the primary (120v) side. Ambiance laminated magnetic transformers have resettable thermal circuit breakers on the low voltage side. Other features include a faraday shield, potted and encased core and coil for added safety and ease of installation. A boost tap is integrated to single-tap magnetic transformers to compensate for voltage drop. For optimum operation we recommend the load on all laminated magnetic transformers be between 50 and 100% of the rated wattage when used with xenon and halogen light sources. Magnetic transformers are zero load with LED lamp source. Not meeting minimum recommend loads can overdrive luminaires and greatly reduce lamp life. Be sure to keep insulation away from transformers. Magnetic transformers should be mounted vertically. If the transformer must be mounted horizontally, the ambient temperature must be below 120°F and the maximum load should be reduced to 80% of output.

## OPERATING TEMPERATURES

Ambiance Lighting Systems require adequate ventilation to dissipate heat generated during their operation. Care must be taken to avoid installing the system in confined areas where excessive heat may result in the transformer circuit breaker tripping or causing damage to the system and/or the area being illuminated. Surface temperatures on transformers, wiring and luminaires must not exceed 90°C (194°F).

## DIMMING

Ambiance Lighting Systems may be dimmed. When dimming a low-voltage system, it is recommended that the dimming occur on the primary side of the transformer, reducing the power coming into the transformer. The dimmer must be matched to the type of transformer that's powering the system.

- For electronic transformers use an electronic low voltage (ELV) dimmer.
- For magnetic transformers use a standard, incandescent line voltage dimmer or a magnetic low voltage (MLV) dimmer.

## REMOTE MOUNTING

When a transformer needs to be mounted in a remote location, a properly sized jumper wire (the cable between the transformer and the start of the lighting run, or between two illuminated sections) must be used. The jumper wire can be Ambiance Cable run in additional protection (9435 track and 9439 cover, 9431 sleeving, or listed conduit), Romex or Type AC. Be sure to check with your local electrical inspector. The jumper wire and lighting run must be connected in an approved wiring compartment, such as 9459 or 9481.

## POWERING SYSTEMS

We recommend all systems used with Ambiance Lighting Systems be powered on the line voltage (120v or primary) side of the connection for optimum performance and safety. For applications which require operating to be done on the low voltage (secondary) side of the connection, there are two factors which need to be considered:

1. It is very important that the switch used is rated for the amperage created; and
2. Meet minimum load on electronic transformer

To calculate amperage, use the following formula: Amperage = Wattage / Voltage

## VOLTAGE DROP

Voltage drop is the difference between voltage of luminaires close to the transformer and luminaires at the end of an illuminated section.

- All lamp sources function optimally with no more than 10% voltage drop. Voltage outside of this range will affect lamp life and overall performance.
- To compensate for voltage drop, please calculate as stated below and use appropriate wire.

How to Calculate Voltage Drop:

Step 1:

Amps\* x Run/Length x 2 (for AC circuit) x Resistance per Foot<sup>(1)</sup> = Voltage Drop (in Volts)

\*Amps = (Watts/Voltage)

Step 2:

- For 12v systems add voltage drop to 12 to determine tap to use.
- For 24v systems add voltage drop to 24 to determine tap to use.

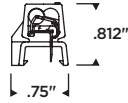
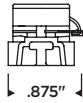
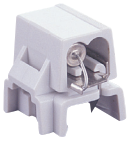
### RESISTANCE PER FOOT CHART<sup>(1)</sup>

WIRE SIZE	RESISTANCE
4	0.000249
6	0.000395
8	0.000640
10*	0.001080
12	0.001620
14	0.002525
16	0.004016
18	0.006385

\*Size of 10/2 AWG Ambiance Cable

# TECHNICAL INFORMATION

## FUSED PLUG



Our 5 amperes Fused Plug turns the Ambiance Lx Cable into a buss system, capable of powering multiple luminaire types. Tap on Ambiance Incandescent/Xenon Disks, LED Disks and LED Tape Lighting to your linear Lx Cable System with ease. No other system matches the versatility and installation options of Ambiance Lighting Systems.

ITEM NUMBER	9488(-xx)
VOLTAGE	12v and 24v
MAX. WATTAGE	60w at 12v, 120w at 24v
CERTIFICATION	cETL, damp location
MATERIAL / FINISH	(-12) Black and (-15) White Polycarbonate with corrosion resistant contacts

- Multiple luminaire types, one transformer
- Add Ambiance LED Disk, Xenon Disk and LED Tape lighting to a new or existing Lx Cable Lighting System
- Snaps onto Ambiance Cable and Track
- Insert 18/2 cord into plug and press in contacts for connection
- 5 amp limit on each Fused Plug

### FUSED PLUG WITH LED DISKS

- Wire LED Disk directly to Fused Plug or use Lx Cable Extension with Wiring Compartment
- Hub connector can also be used to wire multiple disks off of Fused Plug
- Place 9488 Fused Plug onto Lx Cable and Track

### FUSED PLUG WITH LED TAPE

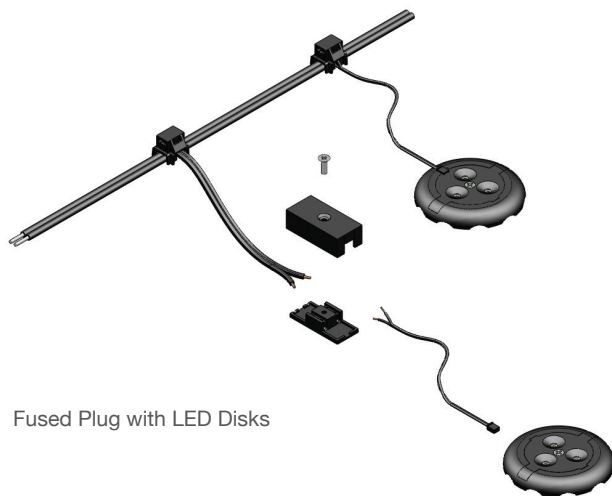
- Wire LED Tape directly to 9488 Fused Plug or use Lx Cable extension with 9459 Wiring Compartment\*
- Place Fused Plug onto Lx Cable and Track

\* Using an LED Tape Connection Cable, cut and remove the male end. Strip your 5 leads. Twist together the two leads on the left, twist together the two leads on the right, the center lead is not needed and may be trimmed.

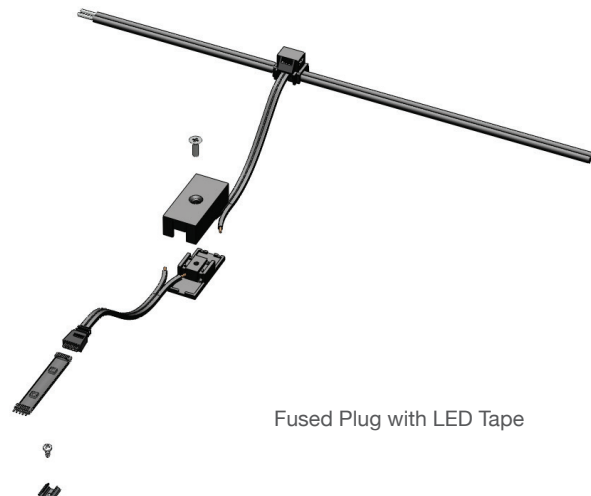
### FUSED PLUG WITH XENON/INCANDESCENT DISKS

- Wire Xenon/Incandescent Disk to Fused Plug\*
- Place 9488 Fused Plug onto Lx Cable and Track

\* Limit one disk per fused plug



Fused Plug with LED Disks



Fused Plug with LED Tape



TECHNICAL INFORMATION

# TRANSFORMER REFERENCE CHART

## ELECTRONIC AC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	VOLTAGE	CONNECTION (HARDWARE, PLUG-IN)
9454-12	60w AC Class II Transformer	AC	Electronic	120v/12v	Hard-wire
9456-12	150w AC Class I Transformer	AC	Electronic	120v/12v	Hard-wire
96620S-12	30w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
96620S-15	30w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
96621S-12	30w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
96621S-15	30w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
96622S-12	75w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
96622S-15	75w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
96623S-12	75w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
96623S-15	75w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
96624S-12	150w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
96624S-15	150w 12v Zero-Load Transformer	AC	Electronic	120v/12v	Hard-wire
96625S-12	150w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
96625S-15	150w 24v Zero-Load Transformer	AC	Electronic	120v/24v	Hard-wire
98050-12	60w 12v AC Zero-Load	AC	Electronic	120v/12v	Plug-in
98051-12	60w 24v AC Zero-Load	AC	Electronic	120v/24v	Plug-in

## MAGNETIC AC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	CONNECTION
94458-12	75w, 12v Magnetic Transformer	AC	Magnetic	Hard-wire
94459-12	75w, 24v Magnetic Transformer	AC	Magnetic	Hard-wire
94460-12	150w, 12v Magnetic Transformer	AC	Magnetic	Hard-wire
94461-12	250w, 24v Magnetic Transformer	AC	Magnetic	Hard-wire
94462-12	300w, 12v Magnetic Transformer	AC	Magnetic	Hard-wire
94463-12	500w, 24v Magnetic Transformer	AC	Magnetic	Hard-wire
94464-12	600w, 12v (2x300w) Magnetic Transformer	AC	Magnetic	Hard-wire
94465-12	1000w, 24v (2x500w) Magnetic Transformer	AC	Magnetic	Hard-wire

## ELECTRONIC DC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	CONNECTION
98745S-12	60w 24v DC Transformer	DC	Electronic	Hard-wire
98746S-12	105w 24v DC Transformer	DC	Electronic	Hard-wire
98747S-12	150w 24v DC Transformer	DC	Electronic	Hard-wire
98841S-12	100w 24v DC Transformer, w/RGB controller and Black Remote control for RGB Tape only	DC	Electronic	Hard-wire
98841S-15	100w 24v DC Transformer, w/RGB controller and White Remote control for RGB Tape only	DC	Electronic	Hard-wire

## MAGNETIC DC TRANSFORMERS

PART NUMBER	NAME	AC/DC	TYPE	CONNECTION
98743S-12	200w 24v DC Magnetic Transformer, Wet or Dry Location	DC	Magnetic	Hard-wire
98744S-12	300w 24v DC Magnetic Transformer, Wet or Dry Location	DC	Magnetic	Hard-wire



# TRANSFORMER REFERENCE CHART

WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
60w	120v	12v	15w	L: 2.75" W: 1.5" H: 1.125"	cUL dry
150w	120v	12v	60w	L: 6.25" W: 2.25" H: 1.67"	cUL dry
30w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
30w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
30w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
30w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	12v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
75w	120v	24v	Zero Load	L: 7.805" W: 1.36" H: 0.949"	cETL dry
150w	120v	12v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
150w	120v	12v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
150w	120v	24v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
150w	120v	24v	Zero Load	L: 8.385" W: 2.53" H: 1.219"	cETL dry
60w	120v	12v	Zero Load	L: 3.3125" W: 1.5" H: 1.25"	cETL dry
60w	120v	24v	Zero Load	L: 3.3125" W: 1.5" H: 1.25"	cETL dry

WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
75w	120v	12v	N/A	L: 8.75" W: 4.25" H: 3.75"	cUL Dry
75w	120v	24v	N/A	L: 8.75" W: 4.25" H: 3.75"	cUL Dry
150w	120v	12v	N/A	L: 10.5" W: 4.313" H: 4.313"	cUL Dry
250w	120v	24v	N/A	L: 10.75" W: 4.5" H: 4.25"	cUL Dry
300w	120v	12v	N/A	L: 10.563" W: 4.375" H: 3.875"	cUL Dry
500w	120v	24v	N/A	L: 11.5" W: 4.5" H: 4.25"	cUL Dry
2 x 300w	120v	12v	N/A	L: 10.563" W: 5" H: 5"	cUL Dry
2 x 500w	120v	24v	N/A	L: 12.5" W: 6.25" H: 6"	cUL Dry

WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
60w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp
105w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp
150w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp
100w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp
100w	120v	24v	Zero Load	L: 9.5" W: 4.125" H: 2.125"	cETL Damp





WATTAGE	PRIMARY VOLTAGE (IN)	SECONDARY VOLTAGE (OUT)	MINIMUM LOAD (ELECTRONIC ONLY)	DIMENSIONS	LISTING
200w	120v	24v	N/A	L: 8.875" W: 4.375" H: 4"	cETL Wet
300w	120v	24v	N/A	L: 8.875" W: 4.375" H: 4"	cETL Wet

# LAMP REFERENCE CHART

## 12 VOLT

LAMP IMAGE	PART NUMBER	DESCRIPTION	LAMP TYPE	LAMP BASE	WATTS RATED
	96116S-32	clear LED festoon 2700K	T3	Festoon	0.708
	96116S-33	frosted LED festoon 2700K	T3	Festoon	0.708
	96118S-32	clear LED festoon 3000K	T3	Festoon	0.708
	96118S-33	frosted LED festoon 3000K	T3	Festoon	0.708
	96119S-32	clear LED festoon 4000K	T3	Festoon	0.708
	96119S-33	frosted LED festoon 4000K	T3	Festoon	0.708
	97118-32	5w clear xenon festoon	T3	Festoon	5
	97118-33	5w frosted xenon festoon	T3	Festoon	5
	97119-32	10w clear xenon festoon	T3	Festoon	10
	97119-33	10w frosted xenon festoon	T3	Festoon	10
	9727	3w clear incandescent wedge	T3 1/4	Wedge	3
	9728	5w clear incandescent wedge	T3 1/4	Wedge	5
	9729	5w clear incandescent wedge	T3 1/4	Wedge	5
	9731	3w clear xenon wedge	T3 1/4	Wedge	3
	9732	5w clear xenon wedge	T3 1/4	Wedge	5
	9774	18w clear xenon wedge	T5	Wedge	18
	9776	8w clear incandescent wedge	T5	Wedge	8
	9777	12w clear incandescent wedge	T5	Wedge	12
	9778	18w clear incandescent wedge	T5	Wedge	18
	9787	20w clear halogen MRC11 bi-pin	MRC11	GU4 Bi-Pin	20
	9789	20w clear MRC11 halogen bi-pin	MRC11	GU4 Bi-Pin	20
	97457S	7w MR16 LED Bi-Pin 3000K FL 45	MRC16	GU5.3 Bi-Pin	7
	9784	20w clear halogen T3 bi-pin	T3	GU4 Bi-Pin	20

## 24 VOLT

LAMP IMAGE	ITEM NUMBER	DESCRIPTION	LAMP TYPE	LAMP BASE	WATTS RATED
	96117S-32	clear LED festoon 2700K	T3	Festoon	0.708
	96117S-33	frosted LED festoon 2700K	T3	Festoon	0.708
	96120S-32	clear LED festoon 3000K	T3	Festoon	0.708
	96120S-33	frosted LED festoon 3000K	T3	Festoon	0.708
	96121S-32	clear LED festoon 4000K	T3	Festoon	0.708
	96121S-33	frosted LED festoon 4000K	T3	Festoon	0.708
	97120-32	5w clear xenon festoon	T3	Festoon	5
	97120-33	5w frosted xenon festoon	T3	Festoon	5
	97121-32	10w clear xenon festoon	T3	Festoon	10
	97121-33	10w frosted xenon festoon	T3	Festoon	10
	97122-33	7w frosted xenon festoon	T3	Festoon	7
	9775	18w clear xenon wedge	T5	Festoon	18
	97004	20w MRC11 halogen	MRC11	GU4 Bi-Pin	20

# LAMP REFERENCE CHART








WATTS CONSUMED	RATED LIFE (HOURS)	BEAM SPREAD	LIGHT OUTPUT (LUMENS)	CRI	COLOR TEMPERATURE (°K)	ENERGY STAR®
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
4.2	16,000	n/a	33	>90	2550	N
4.2	16,000	n/a	33	>90	2550	N
8.4	12,000	n/a	83	>90	2650	N
8.4	12,000	n/a	83	>90	2650	N
2.1	20,000	n/a	8	>90	2200	N
4	9,000	n/a	23	>90	2300	N
3.9	2,000	n/a	26	>90	2450	N
2.7	19,000	n/a	15	>90	2400	N
4.2	8,000	n/a	33	>90	2550	N
16.2	10,000	n/a	210	>90	2800	N
8	2,500	n/a	57	>90	2650	N
11.6	2,000	n/a	120	>90	2750	N
16.2	2,000	n/a	210	>90	2800	N
20	2,000	n/a	10	>90	3000	N
20	2,000	n/a	10	>90	3000	N
7	50,000	FL 45	450	>80	3000	N
20	2,000	n/a	320	>90	2850	N

REPLACEMENT LAMPS

WATTS CONSUMED	RATED LIFE (HOURS)	BEAM SPREAD	LIGHT OUTPUT (LUMENS)	CRI	COLOR TEMPERATURE (°K)	ENERGY STAR®
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	59	>90	2700	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	60	>90	3000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
0.708	50,000 to 70%	n/a	62	>85	4000	N
4.2	16,000	n/a	33	>90	2550	N
4.2	16,000	n/a	33	>90	2550	N
8.4	12,000	n/a	83	>90	2650	N
8.4	12,000	n/a	83	>90	2650	N
6.7	95,000	n/a	46	>90	2420	N
16.2	2,000	n/a	210	>90	2800	N
20	2,000	NFL 30°	30	>90	3000	N

# LAMP REFERENCE CHART

## 120 VOLT

LAMP IMAGE	PART NUMBER	DESCRIPTION	LAMP TYPE	LAMP BASE	WATTS RATED
	97176	35w clear halogen MRC16 38 Degree Beam	MRC16	GU10	35
	97180	50w clear halogen MRC16 24 Degree Beam	MRC16	GU10	50
	97181	50w clear halogen MRC16 38 Degree Beam	MRC16	GU10	50
	97187	50w frosted MRC16 halogen	MRC16	GU10	50
	97032-32	35w clear halogen T4	T4	G9	35
	97037-32	40w clear halogen T4	T4	G9	40
	97190-32	35w clear xenon T4	T4	G9	35
	97460S	7w MR16 LED 3000K FL 45	MRC16	GU10	7
	97343S	4.5w A19 LED 2700K	A19	Medium	4.5
	97443S	4.5w A19 LED 3000K	A19	Medium	4.5
	97444S	7w A19 LED 3000K	A19	Medium	7
	97102	13w Compact Fluorescent	Self Ballasted CFL	GU24	13

Finish representations in this catalog are shown using high resolution digital reproduction, and while every effort has been made to render colors accurately, some may vary slightly from the actual product, especially hand-painted finishes due to the nature of hand craftsmanship.

Light bulbs are not included with lighting fixture products shown in this catalog, unless otherwise noted. Sea Gull Lighting reserves the right, at any time to make changes in the construction and design of products listed without notice. The changes may be necessary by law or the availability of supplies.

## LAMP REFERENCE CHART

WATTS CONSUMED	RATED LIFE (HOURS)	BEAM SPREAD	LIGHT OUTPUT (LUMENS)	CRI	COLOR TEMPERATURE (°K)	ENERGY STAR®
35	2,000	FL 38°	240	>90	2700	N
50	2,000	FL 24°	450	>90	2800	N
50	2,000	FL 38°	450	>90	2800	N
50	2,000	FL 38°	400	>90	2800	N
35	2,000	n/a	420	>90	2550	N
40	2,000	n/a	520	>90	2600	N
35	2,000	n/a	420	>90	2650	N
7	50,000	FL 45	450	>80	3000	Y
4.5	40,000	120°	230	>75	2700	N
4.5	40,000	120°	230	>75	3000	N
7	50,000	120°	580	>80	3000	N
13	10,000	n/a	900	>81	2700	Y

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