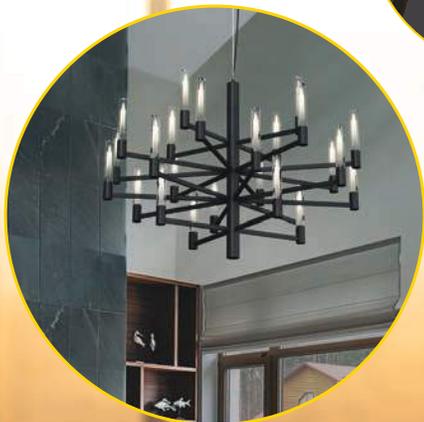


LIGHTING *for* tomorrow



2016 Competition Awards



LED Fixtures
Light Bulbs
Retrofit Kits
Lighting Controls

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Comfort. Beauty. Lifestyle

Lighting is more than just bulbs and fixtures. It enables us all to live our lives. Each year, the *Lighting for Tomorrow* competition handpicks high efficiency lighting products that best blend form and function through inspired design. The end goal? Better lighting, and better living.

Dear Readers,

We are pleased to introduce the recipients of the 2016 *Lighting for Tomorrow* awards; this brochure features some of the most design-forward, innovative and energy efficient LED and lighting control products on the market. Consumers appreciate the importance of energy efficiency both for themselves and for society, but they also want products that support the design sensibility and quality of light appropriate for their homes. The competition emphasizes products that appeal to savvy, style-conscious buyers: products that are beautiful and highly functional, as well as energy efficient, so that they add to a sense of well-being.

Lighting for Tomorrow has recognized exceptional new lighting products since 2002. Each year, the sponsors and co-sponsors of this unique and longstanding industry partnership consider the market barriers that inhibit the adoption and use of energy efficient residential lighting. They work together to create product categories and criteria that take into account evolving lighting technology and strive to help support its successful integration into lamps, retrofit kits, and fixtures, and ensure that these products will meet consumer needs. The compatibility of energy efficient light sources with various kinds of lighting controls has also increased in importance, and is reflected in the lighting controls category of *Lighting for Tomorrow*. The emergence of the smart home brings exciting new features and capabilities, including new challenges for lighting and whole house interoperability. Both customers and utilities are moving into a future of energy savings from a systems approach to dimming, integration, and connectivity with other residential products. *Lighting for Tomorrow* continues to monitor the developments in the connected lighting space, and will consider the types of product criteria that would help yield the most benefit to consumers and efficiency programs alike.

The LED luminaires (fixtures), replacement lamps (light bulbs), and lighting controls recognized in the 2016 competition were carefully evaluated and scored by a diverse panel of expert judges based on their innovation, performance, quality, value, and design. For more information regarding the 2016 judges and evaluation criteria, please see pages 6 and 7. Some of this year's entries were judged clear winners, exceeding the expectations set forth in the criteria and scoring higher than other products in their respective categories. Others were recognized as honorable mentions or were given special recognition because they incorporated fresh ideas or innovative features, filled a market need, or provided excellent quality at an attractive price point. A fundamental requirement of the *Lighting for Tomorrow* competition is ENERGY STAR® certification, as the ENERGY STAR criteria for lamps and fixtures helps ensure quality for critical lighting attributes. All of the products featured in this brochure qualify for ENERGY STAR unless otherwise noted on their individual descriptions.

There is now an expanding range of energy efficient fixtures and bulbs available for every type of home, room, and application. The *Lighting for Tomorrow* competition provides manufacturers the opportunity to push the industry forward by introducing high quality and ground-breaking designs, contribute to the greater energy efficiency movement, and gain exposure for their unique brands and products among industry leaders and consumers alike.

We hope you will share the value by reviewing the products showcased in this brochure. We further hope that you will also help spread the good word – including promoting the products and considering them for use in your own home. We look forward to continuing to support the development of energy efficient residential lighting.

Sincerely,

The *Lighting for Tomorrow* Sponsors

What We Learned in 2016

An Opportunity to Connect

In recent years, *Lighting for Tomorrow* has witnessed the emergence of connected or "smart" bulbs, fixtures, lighting kits, and switches in the residential sector. More recently, whole systems which include lighting among a host of functions have also appeared. In 2016, these trends have continued and there are now a significant number of manufacturers offering products with a variety of different connected features. In addition to adjusting light levels and tuning color, consumers have the ability to set scenes, control their lights remotely and interconnect them with other home systems involving security, heating/cooling, entertainment and communication. However with these products come new considerations - need for additional components (hubs and gateways), integration into smart homes (compatibility), standby power consumption, data security, and user interfaces. As standards for communication, security, and interoperability develop, and industry continues to gain experience in this space, we anticipate seeing more new ideas and improvements in connected lighting entries.

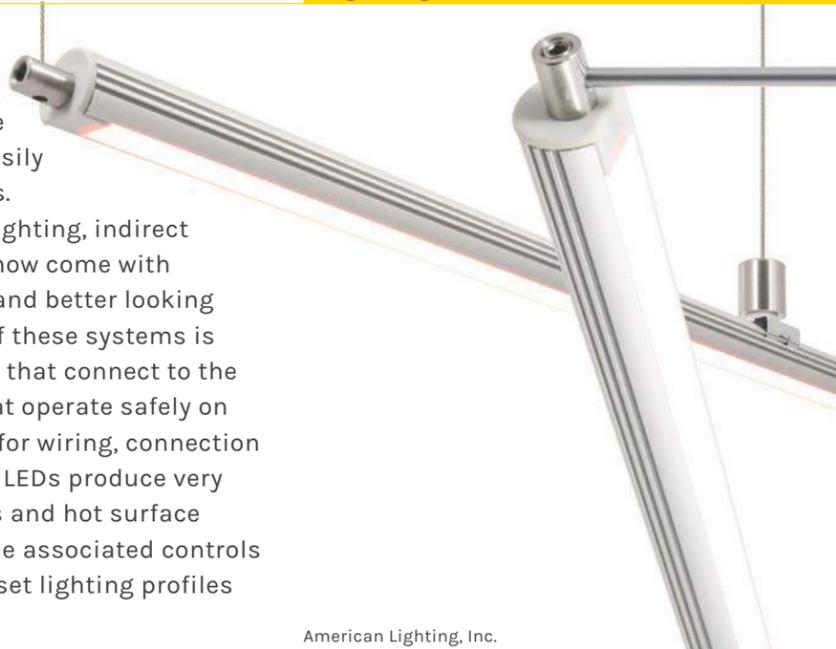
Connected Lighting



Variety is the Spice of Light

A new trend seen this year expanded the idea of lighting customization by using interchangeable parts or lighting kits so that fixtures could be easily and quickly tailored to the intended applications. Hard-to-install lighting including rail and stair lighting, indirect room lighting and in-cabinet and shelf lighting now come with options that make the lighting more functional and better looking as well as easier to install. The secret to many of these systems is the careful separation of the parts of the system that connect to the standard 120 volt power line versus the parts that operate safely on low voltage power where there are more options for wiring, connection devices and the mounting of fixture parts. Since LEDs produce very little heat during operation, concerns about fires and hot surface temperatures are also alleviated. Additionally, the associated controls for the systems allow consumers to manage preset lighting profiles by room and adjust light color and output.

Lighting Kits and Customization

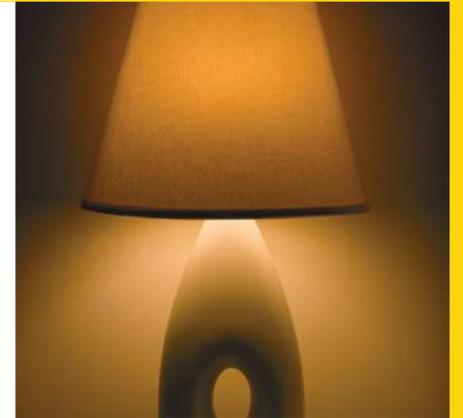


American Lighting, Inc.

The Dimming of a New Era

We are excited to see an increased manufacturer focus on dimming performance, given its value in residential lighting applications. Dimming allows individuals to adjust light levels for specific entertainment options, enhance ambiance, set a mood, and take advantage of daylight to reduce energy use. One of the improvements we are seeing with LEDs is their ability to dim and dim well. In 2016, 82% of 2016 LFT entries were dimmable, compared to 73% just two years ago in 2014. In addition, the judges noticed a marked improvement in the quality of dimming, as well as a reduction in the flicker exhibited by dimmable products this year. It appears that dimmers and driver circuitry are being improved so that more products are compatible with a larger variety of dimmers.

Dimming Functionality



Singing a Different Tune

While color tuning has long been a hallmark of LED products, it has also been complicated and expensive to achieve smooth color changes and easy color coordination. This year more LFT entries took advantage of the unique color attributes of LEDs and we saw both lamps and fixtures that include provisions to enhance areas of the home by adjusting the color of the lighting.

Color Tuning



American Lighting, Inc.

Warm Wishes

Similar to color tuning, more manufacturers are attempting to mimic the warm color produced by incandescent and halogen lighting sources at a dimmed state with LED technology, given that it's an aesthetic trait that many consumers enjoy. Dim-to-warm technology for LEDs has been emerging and improving in recent years, with many products attempting to deliver warm dimming performance similar to that of incandescent bulbs. In the past many of these products have turned too amber, and the increased quality of dim-to-warm entries was a noticeable development this year.

LED Dim-to-Warm Products



MaxLite

Competition Sponsors



American Lighting Association
www.americanlightingassoc.com

The American Lighting Association (ALA) is the only trade association representing residential lighting manufacturers, showrooms, distributors, manufacturer representatives, component manufacturers and industry-related companies. ALA members, totaling more than 1,200 in the United States, Canada and the Caribbean, are dedicated to providing the public with quality residential lighting.

Consortium for Energy Efficiency
www.cee1.org

CEE is an award-winning consortium of energy efficiency program administrators from the United States and Canada. Members work to unify program approaches across jurisdictions to increase the success of efficiency in markets. By joining forces at CEE, individual electric and gas efficiency programs are able to partner not only with each other, but also with other industries, trade associations, and government agencies. Working together, administrators leverage the effect of their ratepayer funding, exchange information on successful practices and, by doing so, achieve greater energy efficiency for the public good.



UL
www.ul.com

UL is a global independent safety science company with more than a century of expertise innovating safety solutions from the public adoption of electricity to new breakthroughs in sustainability, renewable energy and nanotechnology. Dedicated to promoting safe living and working environments, UL helps safeguard people, products and places in important ways, facilitating trade and providing peace of mind. UL provides testing and certification services to industry standards including UL, ANSI, IEC, NEMA, FCC, and IESNA. Additionally, UL is a leading provider of Photometric Performance and EMC testing in support of well-known lighting programs such as ENERGY STAR®, Lighting Facts, and Design Lights Consortium.



Competition Co-sponsors

Lighting for Tomorrow would like to thank the following co-sponsors, who generously supported the competition by providing funding or in-kind contributions in 2016.

Across the United States and Canada, energy efficiency programs like the organizations listed below provide resources for retailers, builders, and consumers who are interested in making energy efficient lighting choices. These organizations have a mission to help their customers save energy. Some offer educational seminars or training; others offer monetary incentives such as rebates. If you are interested in learning more,

start with your local electric utility or efficiency program provider. Call their customer service or energy efficiency department to ask if they offer educational assistance or incentives for the installation of ENERGY STAR® qualified lighting, such as the award winning *Lighting for Tomorrow* products highlighted in this publication. Other sources of information include the ENERGY STAR® website at www.energystar.gov, where a

list of incentives by ZIP code is available. The Consortium for Energy Efficiency also compiles a "Residential Lighting Program Overview," which provides a list of energy efficiency program offerings for residential lighting. This summary is available at www.cee1.org.



2016 Competition Timeline

Milestone	Location	Date
Formal 2016 competition launch	Website updates and submission forms go live	January 11, 2016
Competition kickoff	Lightovation Dallas International Lighting Show ● Dallas, TX	January 20-24, 2016
Intent-to-submit forms due	www.lightingfortomorrow.com	April 18, 2016
All entries due (actual working products are required)	www.lightingfortomorrow.com	May 9, 2016
Judging Session	UL University ● Research Triangle Park, NC	June 8-10, 2016
Winners notified	Via phone and email	July 2016
Winners publicly announced, promotional kickoff	American Lighting Association webinar	September 12, 2016
Award presentations	CEE Industry Partners Meeting ● Nashville, TN	September 14-15, 2016
	ENERGY STAR® Products Partner Meeting ● New Orleans, LA	October 25-27, 2016

2016 Judging Panel

The *Lighting for Tomorrow* judging panel consisted of nine judges drawn from various areas of the residential lighting community. These individuals represent a diverse cross-section of experts in lighting technology, lighting sales, energy efficiency, lighting design, product testing, and media communications.



- | | | |
|--|--|---|
| Michele Ball ●
Lights Unlimited
Garner, NC | Gary Hamer ●
BC Hydro
Vancouver, BC | Linda Morley ●
Dominion Electric Supply Co.
Arlington, VA |
| Lara Bonn ●
Efficiency Vermont
Burlington, VT | Jenny Heinzen York ●
Home Accents Today Magazine
Greensboro, NC | Jodie Orange ●
Living Lighting
Toronto, ON |
| Austin Gelder ●
UL
Atlanta, GA | Doreen Le May Madden ●
Lux Lighting Design
Boston, MA | Dan Rogers ●
ICF International for ENERGY STAR®
New York, NY |

Evaluation process

The judges participated in a two-day judging event held June 9-10, 2016, in Research Triangle Park, North Carolina. The judging event was hosted by UL at their UL University facility. The judges viewed over 90 installed products and scored them based on the criteria for each entry category (detailed on page 7). Finalists were identified through reviewing the combined tallied scores and group discussion about the unique attributes of the high scoring entries. The overall best products were selected to be winners; high quality products with noteworthy features were chosen to receive honorable mentions or special awards. The lighting performance of LED and OLED products was verified either by manufacturer-provided photometric reports from an accredited NVLAP laboratory or were tested afterwards by an accredited NVLAP laboratory to verify wattage, light output, color temperature, and color rendering. In addition, a requirement of the *Lighting for Tomorrow* competition is that all recognized products meet the applicable ENERGY STAR® Luminaire or Lamp Criteria.

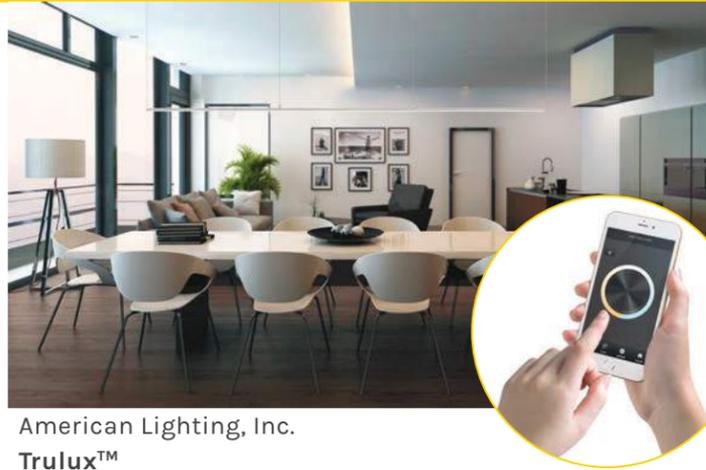
Judging Criteria

Criteria	Solid State Lighting			Lighting Controls
	LED fixtures	OLED fixtures	Replacement Lamps	
Color appearance: based on subjective evaluation of color appearance of product; data about CCT is provided in final submission form.	●	●	●	
Color rendering: based on subjective evaluation of color appearance of objects illuminated by installed product; data about CRI is provided in final submission form.	●	●	●	
Appropriate light output and distribution: does the product provides sufficient light output (lumens) for intended, installed application?	●	●	●	
Application efficiency: does the product deliver appropriate light levels to the intended task with lower wattage than comparable, traditional light sources for that task?	●	●		
Lamp efficacy: does the product deliver the specified light output with lower wattage than comparable, traditional light sources?			●	
Value and marketability: subjective assessment of quality and appeal of the product compared to the price.	●	●	●	●
Aesthetic appearance and style: subjective evaluation of appearance both in the on and off state; consideration given to appropriateness of materials and design for residential use.	●	●		
Replaceable components: what is the ability of a fixture to allow the consumer to replace an OLED or LED component if it should fail?				
Ease of installation: how simple it is to install?	●	●		●
Ease of set-up: how simple it is for a consumer to initially program the product and adjust its operating characteristics?				●
Ease of use: how simple it is for a consumer to use?				●
Replaceable components: is the consumer able to replace a SSL component if it should fail (rather than having to discard the product)?	●	●		
Universally applicable: based on number and types of fixtures where product could be installed.	(Retrofit kits only)			
Compatibility with existing lamps and luminaires: how well does it work with currently installed lighting?				●
Ability to interface with other systems: how well does this product work with other systems in the home?				●
Functionality: does the product work as described?			●	●
Innovative design: demonstrative of taking advantage of unique characteristics of LED for light quality and appearance	●	●	●	●
Innovative engineering: for SSL: demonstrative of taking advantage of unique characteristics of LED (form factor, durability, weight, beam characteristics, ability to tune color, etc.). For controls: product employs new or exciting technology or offers new or unusual product or operational features.	●	●	●	●

Bonus points: the judging panel may award bonus points for entries exhibiting other desirable characteristics, which are defined through censuses by the judging panel. Examples of these characteristics may include: attributes of senior friendly lighting, ability to interface with other systems, controllability/programmability, dark sky-friendly, dimming quality, use of recycled materials, and ability to change color.

2016 Competition Award Winners

Grand Prize Winners



American Lighting, Inc.
Trulux™



Blackjack Lighting
Seraph Chandelier

Decorative Fixture Awards

Honorable Mentions



Hinkley Lighting
Hadley 3308CM



LBL Lighting
Torque 27

Functional Fixture Awards

Winners



Acuity Brands Lighting
Super LED
Garage Light



AFX, Inc.
Slate Pro Edge



Ambiance Lighting
Systems
Lucarne LED
Niche Light



Juno Lighting Group
(an Acuity Brands Company)
4" Sloped Ceiling LED
Downlights



WAC Lighting
Landscape
Accent Light

Honorable Mentions



EcoSense
TROV LED
LinearPlatform



Best in Contractor Lighting
AFX, Inc.
Carlisle



Trulux™

Seraph

Special Recognition Products: Filling a Market Need



Flame-Tip Filament LED
Globe Electric Company Inc.
73191 B-type LED
Vintage Bulb



Dim to Warm
MaxLite
LED Warm-on-
Dim BR30 Lamp



In-ground 120 V
WAC Lighting
Landscape
In-ground Light



Shallow Housing
WAC Lighting
AETHER Shallow 3.5"
Recessed Downlight

Special Recognition Products: Value



Acuity Brands Lighting
LED Contemporary
Vanity/Sconce



AFX, Inc.
Sloane



Globe Electric
Company, Inc.
65291



MaxLite
LED 3-way
Omnidirectional
A-lamp

American Lighting, Inc. TRULUX™ LIGHTING SYSTEMS

Trulux™ is a versatile system of tape light, control systems and tape light based fixtures. The high CRI for all performance levels, and the extensive line of controls and extrusions are designed to create the most thorough system of its kind in the marketplace and offer a lot of value to the consumer.

Trulux™ Tape Light: The broad offering of tape light includes multiple performance levels and IP ratings within four color temperatures. All single color Trulux Tape Light options feature 94 color rendering index and single bin LED specification to guarantee color consistency and accuracy. Each reel of IP54 single color tape light includes a 3-in-1 connector for tape-



Luminaire Measurements:

Wattage:	2.2 - 7.8 watts/foot
Light Output (lumens):	150 - 525 lumens/foot
Efficacy (lumens/watt):	55.5 - 67.3 lumens/watt
Color Temperature (CCT):	2400K, 2700K, 3000K, 4000K and 2700-6000K Tunable White
Color Rendering Index (CRI):	94 (single color) 90 - 96.8 (Tunable White)
Test Laboratory:	Leading Test Laboratories
ENERGY STAR® Qualification:	In progress for the extrusions; other components of system fall outside the current scope of ENERGY STAR.
Availability:	Available now

Contact Information:

American Lighting, Inc. ● 11775 E 45th Avenue Denver, CO 80239
800-880-1180 or 303-695-3019 ● www.americanlighting.com/trulux

We love the customization and flexibility of this innovative system, as well as the multifunction dimming aspect on a single control. It's simple, user friendly, and a new trend that's hard to ignore.



AMERICAN LIGHTING
BRIGHT IDEAS • INNOVATIVE SOLUTIONS



to-tape, tape-to-wire and wire-to-wire connections. The self-positioning design ensures a solid connection to its internal conductor blocks to speed installation. Trulux Tunable is available with a CRI ranging from 90 to 96, and up to 280 lumens per foot depending on color temperature preference, ranging from 2700K to 6000K CCT.

Trulux™ Control Systems: The Trulux line of controllers and accompanying receivers and drivers complement the broad selection of high CRI tape light. Have 1-100% full range dimming control via Trulux wall dimmers or table top dimmers. They are convenient with easy-to-use dials or touch

pads, depending upon preference, and the Radio Frequency (RF) signal range is 65 feet. Download the Trulux Application for 5-100% dimming control and set different rooms as individual zones. A router is available to convert WIFI to RF for larger projects that have two or more zones.

Trulux™ Fixtures: Create your own under cabinet fixtures, step and stair safety lighting, recessed 'slot' fixtures for walls and ceilings, and display lighting for shelves and niches. American Lighting offers 21 different extrusion profiles to accommodate most any project need. Mix and match Trulux Tape Light with extrusions you can cut to length to make your own designer fixtures.





The appearance of this chandelier is striking and it has an obvious cool factor. Its dimming is spectacular and the fixture looks great at any brightness. The thoughtfulness of the design, including the downlight, is very unique.

Seraph Chandelier

2016 • Lighting for Tomorrow

Blackjack Lighting Seraph Chandelier

(patent pending)

Product Designer: Stephen Blackman

Seraph chandelier sends LED illumination through crystal clear cast acrylic light guides with striking results. Beautiful at any brightness, the fixture's classic lines have sparkle all their own. Allowing LED light sources to drive luminaire design presents new possibilities for decorative indoor lighting. In the case of Seraph chandelier, the newest lighting (LEDs) and the oldest (candles) converge. Slender candles glow inside sparkling acrylic "Seraphs," yet there are no flames. Laser etchings illuminated by LEDs create this magical vision. Features include replaceable light sources (2700K/ 90CRI) with a 4000K option, instant on/off and TRIAC-compatible dimming.



Luminaire Measurements:

Wattage:	29.5 W
Light Output (lumens):	1954 lumens
Efficacy (lumens/watt):	66.17 lumens/watt
Color Temperature (CCT):	3096 K
Color Rendering Index (CRI):	94.7
Test Laboratory:	BEST Test Service
Test Report Number:	BTR66.181.15.0039.29
ENERGY STAR® Qualification:	Designed to collectively compose the fixture, the individual 'candles' (light engines) offer high efficacy but fall outside the current scope of ENERGY STAR.
Availability:	Available now in stores and online. A complete list of our distributors is available on the website, blackjacklighting.com .



Contact Information:

Stephen Blackman, President & Chief Design Officer
 Blackjack Lighting • 1553 Barclay Blvd. Buffalo Grove, IL 60089
 847-941-0588 x 101 • info@blackjacklighting.com
blackjacklighting.com





**Seraph
Chandelier**
Grand Prize Winner

Decorative LED Lighting

When you hear the term “energy efficient lighting”, you probably don’t immediately think of decorative light fixtures. However, these two concepts are not mutually exclusive.

We typically consider decorative luminaires to be fixtures that are designed for both their lighted as well as their unlighted appearance and aesthetic contribution to the space. With careful design starting with highly-efficient LED light sources, decorative luminaires can be very successful at incorporating cutting edge technology and achieve significant efficiency. As a result, these fixtures are aesthetically pleasing and deliver beautiful light while using a fraction of the energy of traditional light sources.

Common decorative lighting luminaires include:

- Chandeliers
- Hanging pendants
- Wall sconces
- Ceiling mounts
- Portable luminaires

In this brochure, you will find several excellent examples of decorative energy efficient lighting - chandelier (Seraph page 12-13), ceiling mounted fixtures (Hadley page 16 and Sloane page 32), hanging pendant (Torque 27 page 17), and wall sconce or vanity (Contemporary Vanity/Sconce page 32 and 65291 page 33).



Hinkley Lighting Hadley 3308CM

Product Designer:
Sergio Orozco Designs

The Hadley is a retro-styled wall and ceiling mount that embodies transitional chic. The design incorporates clean lines and boldly proportioned glass for a silhouette that imparts a confident dash of style to any space. This fixture features even glass illumination, providing optimal light for all eyes. As an alternative to recessed lighting, the Hadley wall and ceiling light provides superior ambient lighting, and is an excellent energy-efficient update for kitchen and bath ceilings, hallways, and closets. Its versatility complements any type of decor. The product meets ADA requirements. Product specs include: 2700K warm white, 90+ CRI, R9>60.

This compact product offers function and design in one package. It's great for small spaces, providing great color, light output, dimming and diffusion.

*This efficient product is just shy of meeting the ENERGY STAR efficacy criteria (by 5 lumens per watt) because of the manufacturer's dedication to delivering high light quality to the residential consumer. As of June 2016, there was not a technical option available to deliver the target efficacy without sacrificing the warm color temperature or excellent light distribution. Hinkley Lighting is aware of a new LED chip technology that should overcome this engineering challenge and plans to achieve ENERGY STAR certification for this product in 2017.



Luminaire Measurements:

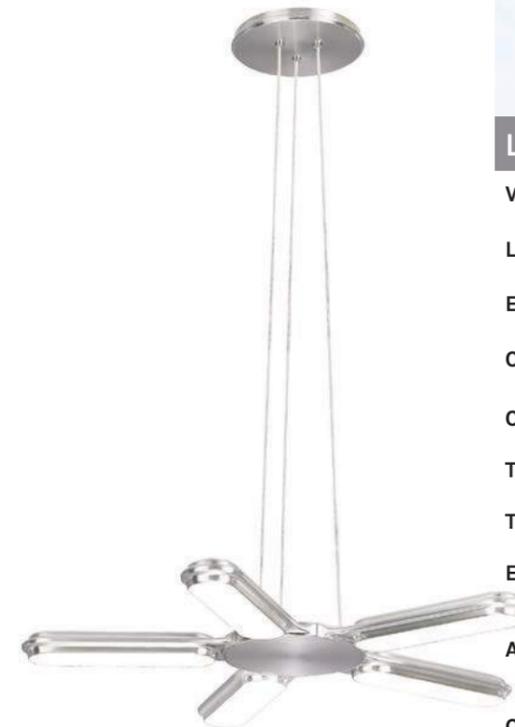
Wattage:	14.08 W
Light Output (lumens):	834.9 lumens
Efficacy (lumens/watt):	59.31 lm/W
Color Temperature (CCT):	2662 K
Color Rendering Index (CRI):	91.8
Test Laboratory:	Intertek
Test Report Number:	102451261CHI-005
ENERGY STAR® Qualification:	Pending*
Availability:	Available now through qualified Hinkley distributors

Contact Information:

Hinkley Lighting Global Headquarters ● 33000 Pin Oak Parkway
Avon Lake, Ohio 44012 ● 440.653.5500 ● www.hinkleylighting.com

LBL Lighting Torque 27

The traditional five-arm chandelier gets an ultra-modern revamp with the Torque 27 suspension from LBL Lighting. The typical three-dimensional silhouette is simplified to its most elemental level—a single, ultra-sleek plane of beautifully diffused LED light. Available finishes are Satin Nickel (shown) or Matte White. Its dimensions are an ultra slim .78" thick and 27" in diameter. This line has a Torque 18 suspension which is 18" in diameter.



This fixture is very task oriented, and would work great in a home office, laundry, or exercise room, or even in loft spaces. It boasts a neat design, along with great efficacy and CRI.



Luminaire Measurements:

Wattage:	50.28 W
Light Output (lumens):	3787 lumens
Efficacy (lumens/watt):	75.32 lumens/watt
Color Temperature (CCT):	2985 K
Color Rendering Index (CRI):	92.8
Test Laboratory:	Intertek
Test Report Number:	102171228CHI-018
ENERGY STAR® Qualification:	Yes
Availability:	Available now; see website for lighting showrooms across North America.

Contact Information:

LBL Lighting ● 7400 Linder Avenue Skokie, IL 60077
(847) 626-6300 ● www.lblighting.com





Landscape
Accent Light
Functional LED Winner

Functional LED Lighting

Functional luminaires are defined as fixtures that are physically, electrically, and optically designed to illuminate specific visual tasks or areas with a quantifiable amount of illumination.

To some, the words functional and energy efficient may mean that the appearance of the luminaire makes it unsuitable for residential applications, but that's not the case. These days, the design of such fixtures is also carefully considered. In fact, while there are often higher performance expectations built into functional luminaires, their starting-from-scratch designs are better able to incorporate new technology and successfully engineer a product which maximizes more aspects of lighting performance.

Directional Lighting

Lighting intended to illuminate a specific area from a preferred direction or source. Several examples of directional lighting include:

- Track lights
- Recessed downlights
- Desk lamps
- Under cabinet and cove lighting
- Outdoor flood and landscape accent lighting



Acuity Brands Lighting Super LED Garage Light

Product Designer:
Mitch Hand

The 2' LED Garage Light delivers bright, high quality illumination and hands-free convenience. With the integrated PIR motion sensor, the garage light will automatically turn on when motion, such as opening the garage door or walking in, is detected. The LED Garage Light increases safety and security while decreasing the energy consumption, utility cost, and maintenance. The LED Garage Light is easy to install and can be mounted flush to the ceiling or suspended by aircraft cables (included). Easily link multiple fixtures together using the end-to-end connector for simultaneous, instant-on lighting in larger spaces. The LED Garage Light features durable metal housing and a textured white acrylic diffuser. Multiple fixtures can be linked together with end-to-end connector.

Luminaire Measurements:

Wattage:	80 W
Light Output (lumens):	5000 lumens
Efficacy (lumens/watt):	62.5 lumens/watt
Color Temperature (CCT):	4145 K
Color Rendering Index (CRI):	85
Test Laboratory:	Intertek
Test Report Number:	16010917HKG-001
ENERGY STAR® Qualification:	Yes
Availability:	Available now through licensed distributors

Contact Information:

Acuity Brand Lighting
1 Acuity Way Decatur, GA 30035 ● www.acuitybrands.com



This light is an asset anywhere you want to be hands free, especially perfect for garages and laundry rooms. Besides its unbelievable price point, this fixture provides good light and CRI with better aesthetics than you typically see in this type of application. The sensor is a nice touch!

AFX, Inc. Slate Pro Edge

Product Designer:
Grant Chappelle

The SPLE Series utilizes a low-profile, edge-lit LED panel to provide evenly distributed, glare-free light that is ideal for all surfaces. The housing is available in various lengths ranging from 9" to 40" to accommodate most applications. A single control panel provides convenient access to power, CCT changing (2700K-4000K) and full range dimming. Multiple remote driver options are available, allowing units to be linked in series to meet the needs of your application.

This wonderful product is great in so many ways: efficacy, CRI, even light, and crafty switch control (dimming, CCT, step, and gradual). Its slim profile and color range make it really stand out from other, similar products.



Luminaire Measurements:

Wattage:	4.08 W
Light Output (lumens):	240.5 lumens
Efficacy (lumens/watt):	60.6 lumens/watt
Color Temperature (CCT):	3909 K
Color Rendering Index (CRI):	96.2
Test Laboratory:	UL
Test Report Number:	265330
ENERGY STAR® Qualification:	Expected January 2017
Availability:	January 2017

Contact Information:

AFX, Inc. ● www.afxinc.com





Ambiance Lighting Systems Lucarne LED Niche Light

For a variety of accent lighting applications, the low-voltage, adjustable Lucarne LED Niche Light by Ambiance Lighting Systems uses advanced LED technology to provide superior quality light in a compact size. IC-rated for use in ceilings without a separate housing, it produces 300 lumens at a CRI of 90 in 2700K, 3000K or 4000K and in a selection of 12 or 24 volts. For maximum flexibility, the Lucarne ships with both a 30° and 65° lens that allows for easy adjustment of the beam spread even after installation. Finishes are either White or Antique Bronze (shown).

Luminaire Measurements:

Wattage:	6.225 W
Light Output (lumens):	243.2 lumens
Efficacy (lumens/watt):	39.1 lm/W - undergoing product improvements
Color Temperature (CCT):	3036 K
Color Rendering Index (CRI):	91.3
Test Laboratory:	UL
Test Report Number:	11347306-1264103
ENERGY STAR® Qualification:	Expected October 2016
Availability:	Available now; see website for authorized dealers across North America

Contact Information:

Tom Nash ● Director-Ambiance Lighting Systems
 Ambiance Lighting Systems
 847-410-4585 ● tnash@generation-brands.com
www.ambiance-lighting.com



This great little light takes advantage of the LED form factor with its compact size, and provides pleasing light, value, and efficiency.



Juno Lighting Group an Acuity Brands company Juno® 4" Sloped Ceiling LED Downlights

Juno® 4" Slope Ceiling LED Downlights are the industry's unique small aperture LED downlight optimized for slope ceiling applications. With exclusive slope ceiling trim designs, this series includes dedicated 4" trims available to cover standard slope (9-24°) or super slope (20-35°) installations. Available in new construction or remodel fixtures for insulated ceilings, these small footprint housings deliver either 700 or 1000 lumens with 90 CRI as standard. The design incorporates a patent pending integral slider adjustment mechanism for precise positioning of the light engine perpendicular to the floor in slope installations from 9° to 35°. These luminaires are available with field-interchangeable, TIR optics in 18°, 30° and 40° beam spreads and can accommodate one 2-inch diameter beam control lens or filter for even more exact lighting control. Multiple driver options are available within this family of fixtures including dedicated 120V, universal voltage, and Lutron. Models are ENERGY STAR® Qualified and certified to meet the high efficacy requirements of California Title 24.



Luminaire Measurements:

Wattage:	14.89 W
Light Output (lumens):	943 lumens
Efficacy (lumens/watt):	63.33 lumens/watt
Color Temperature (CCT):	2620 K
Color Rendering Index (CRI):	91.52
Test Laboratory:	Juno Lighting LLC Laboratory
Test Report Number:	16-044-1
ENERGY STAR® Qualification:	Yes
Availability:	Available now

Contact Information:

Juno Lighting Group, an Acuity Brands company
 1300 S. Wolf Road Des Plaines, Illinois 60018
 800-367-5866 ● www.junolightinggroup.com



This versatile product is well thought out, being very flexible and field customizable. It's great for multiple applications including sloped ceilings, and provides excellent dimming.



WAC Lighting Landscape Accent Light

The WAC Landscape Accent Light offers revolutionary adjustability in an integrated LED landscape accent light. Adjust beam angles or brightness and power consumption based on the size of landscape feature. One light does it all. Previously, incandescent landscape lights would allow for adjustment of beam and brightness with the change of the lamp used as the landscape matured. However the shift to integrated LEDs forced installers and homeowners to select the exact brightness and beam spread to be used in each location for the life of the landscape design and eliminated field adjustability options to optimize landscape lighting design. Installers and Distributors needed to select or inventory between 12-15 different LED products in order to perform the necessary landscape lighting functions. The new WAC Landscape accent now allows for optimizing the exact amount of energy and light to be directed and adjusted as needed out of one easy to install luminaire.

Multiple patents pending.

This is a very usable product in that you don't have to choose multiple models - the adjustability of both beam spread and color is great, especially if there are changes in landscape, and it's installer friendly.

Luminaire Measurements:

Wattage:	16.70 W
Light Output (lumens):	1124.6 lumens
Efficacy (lumens/watt):	67.33 lm/W
Color Temperature (CCT):	3129 K
Color Rendering Index (CRI):	81.6
Test Laboratory:	Test Lab of WAC Lighting Co. Ltd
Test Report Number:	A1607001
ENERGY STAR® Qualification:	Expected October 2016
Availability:	Availability information: Available now in dealers across North America

Contact Information:

WAC Landscape Lighting ● 44 Harbor Park Drive
 Port Washington, NY 11050 ● 1-800-526-2500
www.waclandscapelighting.com



Honorable Mention

EcoSense TROV Linear LED Platform

TROV LED Linear Platform is a one-of-a-kind luminaire platform that can be installed as a cove luminaire, wall washer, light grazer, asymmetric distribution luminaire or "line of light" installations. This makes for a very unique product that can be built to suit the customer in more than 20,000 different product configurations. TROV was conceived and developed for lighting designers and each attribute was meticulously engineered to incorporate market leading functionality while pushing the boundaries of beautiful design. TROV is designed for a variety of applications including healthcare, hospitality, convention, retail, transportation, schools, offices, stadiums, museum and cultural venues.

This is a solid product with ideal value, light output and depth for cove lighting. It has a great stepped angle feature, the size of the housing is great, and it dims to zero really well.



Luminaire Measurements:

Wattage:	13.18 W
Light Output (lumens):	985 lm/ft
Efficacy (lumens/watt):	82 lm/W
Color Temperature (CCT):	3500 K
CRI:	83.4
Test Laboratory:	UL
Test Report Number:	1144777
ENERGY STAR® Qualification:	Yes
Availability:	The products are available from independent lighting retailers now.

Contact Information:

EcoSense ● 915 Wilshire Boulevard, Suite 2175 Los Angeles, CA 90017
www.ecosenselighting.com
 Contact: Cristina Rodrigues, VP of Marketing





Honorable Mention

AFX, Inc.

Carlisle

This timeless design works well in many décors. It is available in a range of diameters from 12"-24", lumen packages from 1200-3100 lumens, 2700K or 3000K.

Luminaire Measurements:

Wattage:	24.26 W
Light Output (lumens):	1707 lumens
Efficacy (lumens/watt):	70 lm/W
Color Temperature (CCT):	3000
Color Rendering Index (CRI):	84
Test Laboratory:	LCTECH
Test Report Number:	LCZP15080158
ENERGY STAR® Qualification:	Yes
Availability:	Currently in stock

An affordable, fashionable LED option with no glare or hotspots that outshines others in this category. The great diffusion and classic look are coupled with energy savings and senior friendly attributes - all at a price point that builders want to see.

Contact Information:

AFX, Inc. ● www.afxinc.com



Special Recognition Awards: Meeting Market Needs



What is Contractor Lighting?

Contractor Lighting is an entry category designed to address a price barrier that exists in the mass market, retrofit, and new construction markets. Builders and renovators often convey to energy efficiency program administrators that price point is a determining factor when considering solid state lighting (SSL) fixtures for projects, even with rebates. In the 2016 competition, these commodity lighting products were required to be priced at ≤\$50 and were evaluated separately. *Lighting for Tomorrow* hopes to see increased availability of well designed, energy efficient lighting products that meet the needs of these markets.

Lighting comes in all shapes, sizes, and configurations. As the market penetration of LEDs continues to grow, new products are emerging to replace less efficient lighting technologies of all types. The products awarded the designation of Special Recognition for Meeting Market Needs are examples of products that are newly available using LED technology or representing product types in which the quality of LED performance has increased noticeably.

Market Need Flame-tip Filament

**Globe Electric Company
73191 B-type LED Vintage Bulb**

Designed with a golden finish to provide a soothing warm glow for any exposed bulb fixture. Pairing old school charm with energy efficiency, these LED designer bulbs will last nearly 15 years longer and save over 90% energy consumption than traditional bulbs. Using less than 5 watts of powers and lasting so many years you achieve a beautiful effect while protecting the environment. A great eco-friendly solution partnered with a new trendy technology.

A really nice LED flame-tip option with a pleasant appearance and dimming.



Market Need Dim to Warm

**MaxLite
LED Warm-on-Dim BR30**

Product manager: Alex Truong

Unlike standard LED lamps, which remain the same color temperature as they dim, MaxLite's Warm-on-Dim BR30 Lamp mimics the smooth dimming performance of incandescent and halogen bulbs by decreasing in color temperature as light output is lowered. The color of the lamp subtly shifts from 3000K to 2200K as it dims to 10 percent of full light output to create a warm, inviting glow that is perfect for dining, entertaining or relaxing. Designed for use in recessed lights, the 9-watt BR30 lamp produces 650 lumens of beautiful, even illumination using 86 percent less energy than the 65-watt incandescent lamp it is meant to replace. The Warm-on-Dim LED BR30 Lamp features a five-year warranty and 25,000-hour rated life, providing years of high quality, maintenance-free illumination and energy cost savings. For more information, go to MaxLite.com.

A great product! The best dim-to-warm we've seen on the market.

Market Need In-ground 120V

**WAC Lighting
Landscape In-ground Light**

The patent-pending LED 3" 120V In-Ground Well Light combines simplicity, adjustability and durability. One groundbreaking luminaire fits all applications, eliminating the need to choose from dozens of varying beam angles and light outputs found in traditional landscape fixtures. The WAC in-ground luminaire features indexed beam adjustment at 15°, 30°, 45°, or 60°, light output modifications and tilt adjustment up to 20° in either direction, all with fingertip ease. Offered standard with an integral dimmer and also rated to support over 4,500 lbs. of drive-over protection, the luminaire is crafted of solid die-cast brass or corrosion resistant aluminum with bronze finish. The unit ships with 6 feet of lead wire and direct burial gel filled wire nuts. The luminaire uses high-powered LEDs at 3-11.5 watts on 110V-120V systems at 85 CRI, a 45,000 hour rated life, and up to 515 lumens with a constant lumen output against voltage drop. A 12v model is also available with a range of 2-12 watts and 15° to 60° adjustability. It is UL Listed for wet locations, and IP67 rated to protect against high-pressure water jets and outdoor elements. Accessories include lenses, louvers, concrete pour kit, and rock guard.



It's difficult to find LED 120V with 3" diameter for mass market applications; this one executes light output and dimming well.

Market Need Shallow Housing

**WAC Lighting
AETHER Shallow 3.5" Recessed Downlight**

Designed as the solution for shallow plenum spaces above ceilings in residential and commercial settings, the new Aether IC Rated Adjustable Downlight is engineered with a low profile 3.5-inch shallow LED housing. This housing is ideal for installation in tight plenum spaces inside buildings with complex HVAC ducts and heating/water pipes that are located between the floors. Aether is a high-output LED ceiling downlight even with such a shallow depth. Energy Star rated and wet location listed for a variety of applications, Aether fits into ceilings with thicknesses that range from just 0.5 to 1.5-inches. Utilizing WAC's proprietary LED technology, Aether operates with just 16.5 watts and delivers up to 1045 lumens, nearly doubling the performance of a 50-watt MR16 halogen fixture.



The luminaire is offered from a 15° narrow beam to 50° flood beam for various application flexibility. Color temperatures range from 2700K to 4000K with a color-rendering index of up to 90. The luminaire dims beautifully with an electronic low voltage (ELV) or 0-10V dimmer and is rated for a 50,000-hour life. Both round and square trim models are available. Trimless styles are also offered for a clean, architectural look. Also offered in wall wash and standard down light models.

This is the first we've seen on the market of this quality; the shallow housing and usability in sloped ceilings is awesome.

Product Specifications:

	73191 B-type Vintage Bulb	LED Warm-on Dim BR30 Lamp	In-ground Light	AETHER
Product:	73191 B-type Vintage Bulb	LED Warm-on Dim BR30 Lamp	In-ground Light	AETHER
Wattage:	2.63 W	9.2 W	9.9 W	23.12 W
Light Output (lumens):	206.66 lumens	723.36 lumens	596.79 lumens	1361.3 lumens
Efficacy (lumens/watt):	78.55 lm/W	78.93 lumens/watt	60.28 lm/W	58.88 lm/W
Color Temperature (CCT):	2144 K	2999 K	3086 K	3153 K
Color Rendering Index (CRI):	80.3	86.8	81	82.2
Test Laboratory:	BEST Test Service	Caldwell Independent Testing Laboratories, NVLAP Lab Code 201064-0	Test Lab of WAC Lighting Co. Ltd	Test Lab of WAC Lighting Co. Ltd
Test Report Number:	BTR66.181.15.0045.25	CITL0001613	A1607007	A1607011
ENERGY STAR® Qualification:	In progress	Yes	Expected October 2016	Expected September 2016
Availability:	Available on Amazon.com and select retailers. Please see www.globe-electric.com for a list of retail partners.	Available August 2016	Available now in dealers across North America	
Contact Information:	Globe Electric Company Inc. 150 Avenue Oneida Montreal, Quebec, Canada H9R 1A8 514-694-0444 ● www.globe-electric.com info@globe-electric.com	MaxLite 12 York Avenue West Caldwell, NJ 07006 973-244-7300 ● www.MaxLite.com	WAC Lighting 44 Harbor Park Drive, Port Washington, NY 11050 1-800-526-2500 ● www.waclighting.com	





Landscape
In-ground Light
Special Recognition

Special Recognition Awards: Value

The products that were awarded the designation of Special Recognition for Value are shining examples of high quality lighting at a price point similar to incumbent, less efficient technology. This helps overcome the cost barrier that has slowed the market adoption of LEDs in the past, but the key is that these products are doing so while providing a positive consumer experience.

Acuity Brands Lighting

Contemporary Vanity/Sconce

Product Designer: Phil Sieczkowski

A simple but attractively classic design that diffuses LED well and offers a competitive price point.

The Contemporary Cylinder and Square LED Vanity's light engine promises long life and excellent color to ensure a quality, low-maintenance light installation that compliments décor and enhances functionality. The decorative vanity collection delivers elegant and contemporary lighting designs, combined with the energy efficiency and quality illumination of integrated LED technology. With a sleek design, and a 50,000 hour maintenance-free LED life, the Contemporary Cylinder and Square LED Vanities provide style, reliability, and the quality illumination needed in vanity applications.



AFX, Inc. Sloane

Product Designer: Grant Chappelle

This ultra low profile decorative indoor LED flush mount fixture is designed with state of the art edge lit LED technology allowing for uniform light distribution while maintaining a very low profile. The unique decorative slotted side detail is both functional and aesthetically pleasing. Designed for easy one person installation.



Nice light and smooth design come together in this LED 1x4 replacement.

MaxLite LED 3-Way Omnidirectional A-Lamp

Product manager: Alex Truong

MaxLite's LED 3-Way Omnidirectional A-Lamp is a direct replacement for 40W/60W/100W incandescent bulbs that is far more energy efficient. Designed for use in standard 3-way switch lamps and fixtures, the 5W/10W/17W LED lamp delivers three distinct levels of light (450, 800 and 1600 lumens) to suit any task or mood. Available in color temperatures of 2700K and 3000K, the lamp evenly disperses beautiful, warm light with a 300-degree beam angle. The LED 3-way lamp consumes 85 percent less energy than its incandescent counterpart and lasts 25 times longer, with a 25,000-hour lifetime (L70), making the switch to more efficient lighting an easy decision for homeowners.

This product offers fantastic lighting distribution, price and efficacy, which is nice to see with a 3-way lamp.



Globe Electric Company 65291

Featuring a functional and stylish design, this Globe 1-light pivoting-shade wall sconce is a transitional-style wall sconce that beautifully accents almost any room. This wall sconce has a pivoting lampshade that allows you to direct the light when you're reading or in need of an extra light source. This wall light comes with a convenient on/off switch and a 6' electric cord. The light includes installation hardware and comes with a filament LED bulb.



Great style, dimming, and price. The lamp fits the industrial design, and it's very efficient.

Product Specifications:

Product:	Contemporary Vanity/Sconce	Sloane	65291	LED 3-Way Omnidirectional A-Lamp
Wattage:	31.92 W	66.37 W	5.55 W	16.86 W
Light Output (lumens):	2512 lumens	4527 lumens	465.2 lumens	1589 lumens
Efficacy (lumens/watt):	78.7 lumens/watt	68.9 lumens/watt - undergoing product improvements	83.82 lumens/watt	94.24 lm/W
Color Temperature (CCT):	2983 K	3000 K	2188 K	2713 K
Color Rendering Index (CRI):	92.94	80.2	80.3	81.7
Test Laboratory:	Acuity Brands Lighting Conyers Lab	UL	BEST Test Service	TÜV SÜD America
Test Report Number:	LTL 29697S	1265331	BTR66.181.15.0045.27	72112668-02-LM79
ENERGY STAR® Qualification:	Yes	Expected January 2017	In progress	Yes
Availability:	Available now through Licensed Distributors	January 2017	Available on Amazon.com and select retailers. Please see www.globe-electric.com for a list of retail partners.	Available now
Contact Information:	Acuity Brand Lighting 1 Acuity Way Decatur, GA 30035 www.acuitybrands.com 	AFX, Inc. www.afxinc.com 	Globe Electric Company Inc. 150 Avenue Oneida Montreal, Quebec, Canada H9R 1A8 514-694-0444 www.globe-electric.com info@globe-electric.com 	MaxLite 12 York Avenue, West Caldwell, NJ 07006973-244-7300 www.MaxLite.com

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