



EMBARGOED UNTIL SEPT. 13, 2011

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Lighting for Tomorrow 2011 Winners Announced!

Palm Beach, FL – the ninth annual *Lighting for Tomorrow* competition recognizes the best designed, energy efficient lighting products in the residential market. For the second year the competition has expanded its scope to include solid-state lighting (SSL) replacement lamps and lighting controls. *Lighting for Tomorrow* continues to challenge manufacturers to improve their design of SSL fixtures and to enter high-quality light emitting diode (LED) replacement lamps that would meet consumers' expectations. In addition, *Lighting for Tomorrow*, for the second year, invited lighting control manufacturers to enter lighting control devices with the requirement that they be compatible with energy efficient technologies, such as fluorescent or LEDs. The 2011 judging panel reviewed a total of 52 products including, 39 SSL luminaires at Underwriters Laboratories (UL) University in Research Triangle Park, NC.

Of the twenty-two companies that submitted SSL fixtures, eight received some type of recognition. A total of six winners and two honorable mentions were selected. Past winner, **Designers Fountain**, won with its simple and modern Aero 4-Head Fixed Track. Minnesota-based **Holtkötter International, Inc.** received an award for its sleek and innovative Berne Chairside Reading Lamp. The next three winners all received awards for their high performing recessed downlight entries. **Cooper Lighting** received an award for its HALO[®] 4-inch Adjustable Round and Square Downlight Series, **OSRAM SYLVANIA** for its ULTRA RT4 LED Recessed Downlight Kit, and **Cree LED Lighting** for its CR4 Downlight. **Lithonia Lighting[®]** was the final winner in the SSL fixture category with its robust Outdoor LED Versatile Area/Wall Light. The remaining manufacturers received honorable mentions for their entries. Past winners, **MaxLite** was recognized for its LED FlatMax Flat Panel and **Edge Lighting** for its innovative Premium Soft Strip LED and Mounting.

Seven companies submitted LED replacement lamps, of which two were recognized. Manufacturer **OSRAM SYLVANIA** was selected as winner for its ULTRA A19 and also received two honorable mentions for its ULTRA LED PAR38 and B10. **Cree LED Lighting** was also given a honorable mention for its LRP 38 PAR lamp.

Both the entries in the lighting controls competition received awards. **Lutron Electronics Co., Inc.** won with its Diva[®] CL[™] Dimmer and also received an honorable mention for the RadioRA[®] 2 Phase-Adaptive Dimmer.

Awards were presented at the American Lighting Association Annual Conference in Palm Beach, FL on Sept. 13. The competition is designed to stimulate the market for attractive, energy-efficient residential lighting fixtures that use a fraction of the electricity of standard incandescent fixtures. By encouraging new designs and technologies, *Lighting for Tomorrow* aims to increase market acceptance and awareness of the growing opportunities in energy efficient lighting.

Winners will be showcased in an awards brochure that highlights both the LED-based winners and lighting controls winners. In addition, the winning products and companies will be featured in articles and trade show exhibits throughout the coming year.

To download these publications, for information about where to purchase these products, and for complete details on the competition, see www.lightingfortomorrow.com.

ABOUT LIGHTING FOR TOMORROW

Lighting for Tomorrow, launched in 2002, is organized by the American Lighting Association (ALA), the Consortium for Energy Efficiency (CEE) and Underwriters Laboratories (UL). Approximately twenty energy efficiency organizations in the US and Canada participated in supporting this latest competition.

LIGHTING CONTROL DEVICES

WINNER

Winner: Lutron Electronics Co., Inc Diva® C·L™ Dimmer



The Diva® C·L™ dimmer from Lutron works with dimmable CFLs and LEDs, which are expected to become even more widely adopted over the next 10 years. In addition, it will control incandescent and halogen lamps which are still in use today. The new dimmer uses Lutron's HED™ Technology, featuring advanced dimming circuitry designed for compatibility with most high efficacy light bulbs. The dimmer can even dim a mixed load of light sources (i.e. dimmable LED and halogen bulbs) on the same circuit.

Over the last few years, CFL and LED bulbs capable of dimming have become more readily available but many still have performance issues when used with a standard incandescent dimmer. Lutron's Diva C·L dimmer specifically addresses issues commonly found when dimming these bulbs including lights turning off while being dimmed, not turning on, and turning off unexpectedly or flickering. Lutron continuously tests and publishes a list of approved dimmable CFL and dimmable LED bulbs so that consumers can be sure of smooth dimming performance.

This new dimmer has been engineered to solve these issues and is UL listed to work with a broad range of lamps, ensuring that today's dimmer is compatible with tomorrow's light sources. For more information, please visit www.lutron.com/CLDimmers.

HONORABLE MENTION

Honorable Mention: Lutron Electronics Co., Inc RadioRA® 2 Phase-Adaptive Dimmer

The phase-adaptive dimmer is a breakthrough product designed to control the multiple light sources of today and the future. The phase-adaptive dimmer is compatible with: ELV, MLV, incandescent, halogen and dimmable LED and CFL load types. While this would have required several different wallbox controls in the past, this new dimmer is able to sense the load type that it is connected to and change its output waveform to properly and safely control that load. This technology, previously available in Lutron's remote panel-based controls, is now available in a standard wallbox configuration – the Lutron Maestro dimmer style. To respond to the ultra-low wattages of high-efficacy lighting, the dimmer has a 5-watt minimum load, but scales all the way up to a 600-watt output. It can be connected to several other wallbox locations for 3- and 4-way dimming. The dimmer is amazingly compact, with a back box penetration of only 1 1/8", making installation simple. This dimmer allows the halogen bulb installed today to be replaced by a compact fluorescent bulb tomorrow and later replaced with an LED load – without ever having to replace and reprogram the system control.



SOLID STATE LIGHTING FIXTURES

WINNERS

Winner: Designers Fountain Aero 4-Head Fixed Track

“Aero” is an Omni-Directional LED Light source with dimming feature that blends the most up-to-date innovative LED technology with a distinctive modernistic style imparting the illusion of action. Aero addresses a multitude of residential, hospitality, office and retail applications by providing directional light over areas of frequent use or can highlight points of interest with a dramatic effect. Available in a sleek Black Nickel over Copper Plate finish with a frosted diffuser to shield the lamps. Features include full-range continuous dimming from 100% for task lighting down to 5% providing soft area ambient lighting. This energy efficient design meets all ENERGY STAR® efficiency standards.



Winner: Holtkötter International, Inc. Bernie Chairside Reading Lamp

This new floor lamp provides comfortable, bright white light for reading and other detailed tasks, while allowing the user full dimming control as needed. The proprietary Dimm-System Punkt 1 (Dimm-System *P1) has been manufactured to control the low-voltage LED technology, allowing for a drastic reduction in the amount of energy used for the light output provided. Special features of this sophisticated proprietary dimming functionality include point dimming, soft on, delayed / soft off, and complete dimming cycle. Additionally, the specific use and application of the LEDs has been configured for soft light dispersion, reducing shadows and creating a better dispersion of heat.



Winner: Lithonia Lighting® Outdoor LED Versatile Area / Wall Light

The Outdoor LED, Versatile Area/Wall Light provides maintenance-free general illumination for outdoor use in residential and commercial applications. The fixture is ideal for any outdoor space requiring reliable safety and security with its sturdy, weather-resistant aluminum housing with a bronze finish. The 50,000 hour, maintenance-free fixture has a clear polycarbonate lens to protect the optics from moisture, dirt and other contaminants. It features an adjustable Dusk-to-Dawn photocell, standard, that automatically turns light on at dusk and off at dawn for convenience and energy savings. The photocell can be disabled by rotating the photocell cover. The fixture can be mounted on a wall or arm-mount (mounting arm sold separately). It is UL Certified to U.S. safety standards, wet location listed and has a five-year warranty. Operating temperature is -30°C to 40°C.

Winner: Cooper Lighting H4 LED 4-inch Adjustable Gimbal Series

The HALO® H4 LED 4-inch Adjustable Gimbals family, which consists of a combined gimbal-styled trim and LED light engine, features both round and square trims with 35-degree adjustable tilt and interchangeable reflectors with beam distributions of 25, 35, and 50 degrees. Each gimbal is shipped with the 25 degree reflector; an optional accessory kit is available with all three reflectors (25, 35, and 50 degrees). The gimbals include a clear glass lens, which may be interchanged with beam forming or colored lens media. The 4-inch gimbals are available in three finishes and offered in four color temperatures. This product is ENERGY STAR® qualified and California Title 24 compliant.



Winner: OSRAM SYLVANIA ULTRA RT4 Recessed Downlight Kit

The sleek design of the ULTRA RT4 LED Recessed Downlight Kit complements most ceilings with its flush mounting style and aesthetic appeal. Available in both 2700K and 3000K color temperatures, the 9-watt version delivers 550 lumens of light, and is comparable to a standard 50-watt incandescent R20 light bulb. The light can be quickly and easily installed into most standard four-inch can fixtures, including insulated ceiling (IC) and non-IC cans, and Airtight (AT) housings. The RT4 provides quality white light, high energy efficiency, and superior optical design, significantly improving the appearance of ceiling lighting in homes everywhere. It has been tested and certified to ETL® standards, is currently being tested for ENERGY STAR® qualification, has earned a U.S. Department of Energy Lighting Facts® label and meets California Title 24 high efficiency luminaire requirements.

Winner: Cree LED Lighting CR4 Downlight

The CR4 downlight is an innovative and affordable solution for use in residential and light commercial applications. Designed for new construction and retrofit, it easily installs into most standard four-inch housings and is dimmable to 5% with traditional dimmers. Powered by Cree TrueWhite® Technology, the CR4 generates incandescent-like light with high color accuracy, while consuming only a fraction of the energy of traditional fixtures. It comes with a standard 5 year warranty and is designed to last 50,000 hours, even in recessed insulated housings.



SOLID STATE LIGHTING FIXTURES

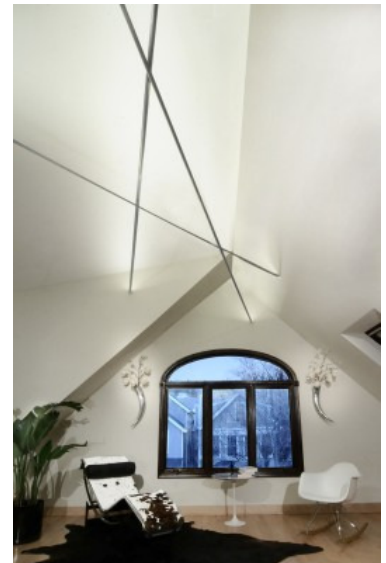
Honorable Mentions

Honorable Mention: Edge Lighting Premium Soft Strip with Soft Line Mounting

The Premium Soft Strip (SS2P) provides high levels of illumination with superior color quality. Available in a variety of increments, Soft Strip offers easy plug-in connectors on each end, which allow for making turns and custom configurations. The flexible copper strip, with an optically clear protective coating, utilizes tightly spaced LEDs to eliminate dark spaces and maximize uniformity. Per foot, the system consumes 2.3 watts and delivers 182 lumens. SS2P dims to 1% of full light output using an electronic low-voltage dimmer with exclusive Edge Lighting electronic power supply.

Self-adhering, SS2P mounts to most smooth finished surfaces with integral 3M tape. Designed for indoor, open air environments, SS2P includes a flexible aluminum heat sink to extend LED life. Typical applications include task lighting, under/above cabinet, cove, retail, closets, wine cellars and toe kicks.

SS2P can also be installed with Soft Line (SL) mounting hardware for indirect lighting. SL uncoils like a retractable tape measure, creating a line between opposing walls and ceiling surfaces. Using the adjustable mounting turnbuckles, the SL system supports the SS2P, or any Edge Lighting Soft Strip, at a variety of angles. Using multiple SLs in varying lengths and angles can create a 3-dimensional look that is as functional as it is visually interesting.



Honorable Mention: MaxLite FlatMax LED Panel

A high performance LED flat panel designed to lay in to drop ceilings; typically used to replace 2'x 2' and 2'x 4' fluorescent fixtures. Panels are fully dimmable, and are compatible with building controls, motion sensors, timers, and daylight harvesting systems. The design of the panels produces an even, consistent shadowless light. The LEDs mean long life, high lumen maintenance, high CRI, and low maintenance, with no hazardous materials. A direct lit version is also available, which delivers 2590 lumens from 43 watts (60 lumens/watt).



SOLID STATE LIGHTING REPLACEMENT LAMPS WINNER

Winner: OSRAM SYLVANIA ULTRA A19 Lamp

The new dimmable SYLVANIA ULTRA LED 18W A19 lamp is the industry’s first LED replacement for the 100W incandescent light bulb. With a typical 1600 lumen output, and saving 80% in energy costs, the 18W A19 lamp will allow consumers to confidently replace their existing incandescent bulbs with the superior performance and identical shape of the SYLVANIA LED bulb. Over the course of the lifetime of the bulb, a consumer can expect to save up to \$225 in energy savings with this simple replacement.



HONORABLE MENTIONS



Honorable Mention: Cree LED Lighting LRP38

The LRP38-1000L lamp is a revolutionary high output PAR38 replacement that combines the beauty and intensity of halogen with industry-leading efficacy and longevity. It provides dimming to 20% and spot, narrow-flood, and flood beam angles. The LRP38-1000L combines patented Cree TrueWhite® Technology with a unique TIR optical approach to deliver higher quality light with unrivaled 92 CRI. It comes with a standard 5 year warranty and is designed to last 50,000 hours in open fixtures.

Honorable Mention: OSRAM SYLVANIA ULTRA PAR38

The new dimmable SYLVANIA ULTRA LED 24W PAR38 lamp is equivalent to a 120W Halogen PAR38 light bulb with a typical 1650 lumens output. Saving 80% in energy, the 24W PAR38 bulb will, over the course of the lifetime of the bulb, save up to \$528 in energy savings. With a CRI of 90 for outstanding color definition and clarity, the 24W PAR38 has numerous commercial and residential applications.



Honorable Mention: OSRAM SYLVANIA ULTRA B10

The new dimmable SYLVANIA ULTRA LED 3.5W B10 lamp is equivalent to a 25W incandescent B10 light bulb with a typical 150 lumen output. Saving 86% in energy over the course of the lifetime of the bulb, the 3.5W B10 bulb will save up to \$35 in energy savings. Available in both candelabra and medium base, the dimmable B10 is ideal for applications such as chandeliers and wall sconces in both commercial and residential settings.

GENERAL INFORMATION

Background

Lighting for Tomorrow was launched in 2002 to encourage and recognize excellence in design of energy efficient residential lighting fixtures. Ultimately, *Lighting for Tomorrow* seeks to help increase the market availability of energy-efficient residential lighting products and increase the marketing, promotion and sales of fixtures and replacement lamps through primary distribution channels for the new construction and renovation markets.

This is accomplished by encouraging manufacturers to develop a new generation of innovative and attractive residential lighting fixtures and replacement lamps that are energy efficient. Designs are evaluated on the basis of attractiveness, value, marketability, innovation, and functionality.

In 2011, there were two categories in the competition for different products: lighting controls and white light-emitting diodes (LEDs). In the lighting controls category, manufacturers entered products that were compatible with energy efficient light sources such as fluorescent and LED. Entrants in the LED category were required to submit a prototype fixture or replacement lamp in one of several applications that competition organizers had identified as ripe for that technology.

Past winners include Cree LED Lighting, American Fluorescent, Kichler Lighting, MaxLite, and Philips. For information about past finalists and winners, visit www.lightingfortomorrow.com.

Lighting for Tomorrow Brochure

In past *Lighting for Tomorrow* competitions, three or four fixture designs were recognized with top awards, in addition to several finalists. This year, 12 LED and 2 lighting control products have been selected to be featured in the *Lighting for Tomorrow Awards Brochure*.

The 2011 brochures were unveiled during an award ceremony at the ALA Annual Conference in Palm Beach, FL Sept. 13. About 5,000 copies of the brochures will be distributed to retailers and builders nationwide.

"The winning designs will also be promoted by energy efficiency organizations that are sponsoring the competition," said ALA Director of Engineering and Technology Terry McGowan, also a co-manager of the competition. "In many cases, these efficiency organizations will be offering financial incentives for the purchase of these energy-saving fixtures."

Organizers and sponsors

Lighting for Tomorrow is organized by the American Lighting Association (ALA), the Consortium for Energy Efficiency (CEE) and Underwriters Laboratories (UL).

Twenty one energy-efficiency organizations from the US and Canada have combined to pledge approximately \$150,000 to sponsor the 2011 competition.



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JUDGES

In order to create a diverse panel, *Lighting for Tomorrow* organizers selected judges from many areas of the lighting industry, including those who design, install, sell, specify and evaluate residential lighting. Below are the judges for the 2011 Design Competition. This group of judges met and evaluated all the entries submitted to the competition at the UL University Facility in Research Triangle Park, NC.

LIGHTING SHOWROOM

Mary Ann Kelly	Platinum Lighting Concepts	Cranberry Twp, PA
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LIGHTING DESIGNER

Bjarne Pedersen	Architectural Lighting Design	Toronto, ON
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JOURNALIST

Laura Van Zeyl	Residential Lighting Magazine	Arlington Heights, IL
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BUILDER

Chad Ray	Olde Heritage Builders	Zebulon, NC
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ENERGY-EFFICIENCY EXPERTS

Steven Mesh	Pacific Gas & Electric Company	San Francisco, CA
Robert Henderson	Progress Energy	Raleigh, NC

TECHNICAL EXPERTS

Erik Page	Erik Page & Associates	Fairfax, CA
Kathryn M. Conway	LED Consulting	Nassau, NY
Tanya Hernandez	Underwriters Laboratories, Inc.	Research Triangle Park, NC

HOW THE ENTRIES WERE SELECTED AND JUDGED

Minimum technical requirements for lighting control entries

- All controls must be compatible with commonly used CFL or LED energy efficient lamp and fixture technologies.

Evaluation criteria

Dimming products were evaluated on the basis of:

- Functionality
- Value
- Ease of installation
- Ease of use
- Innovation
- Ability to interface with other systems
- Compatibility with existing luminaires
- Bonus Points
 - Energy savings potential
 - Appearance/design
 - Sustainability
 - Other

Minimum technical requirements for solid-state lighting luminaire and lamp entries

- Must meet the efficacy requirements in the relevant ENERGY STAR specifications – luminaire specification, solid state lighting specification, and integral LED lamp specification.
- Allowable CCTs – 2700 K, 3000 K, 3500 K
- Minimum CRI – Interior: 80 Exterior: 75

Evaluation criteria

SSL products were evaluated on the basis of:

- Color appearance
- Color rendering
- Appropriate illuminance
- Application efficiency
- Aesthetic appearance and style
- Bonus Points
 - No off-state power use
 - Dark-sky friendly (outdoor luminaires)
 - Dimmability
 - Sustainability
 - Innovation
 - Other

COSPONSORS

The following Consortium for Energy Efficiency members made direct financial contributions to *Lighting for Tomorrow 2011*:

BC Hydro
Cape Light Compact
City of Palo Alto Utilities
Commonwealth Edison
Connecticut Light & Power Company
Efficiency Vermont
Hydro-Québec
Long Island Power Authority
MidAmerican Energy
National Grid
New York State Energy Research and Development Authority
Northwest Energy Efficiency Alliance
NSTAR Electric
Pacific Gas and Electric Company
Sacramento Municipal Utility District
San Diego Gas & Electric
Southern California Edison
United Illuminating
Western Massachusetts Electric Company
Wisconsin Focus On Energy
Xcel Energy