LIGHTING *for* tomorrow

2014

Residential Lighting Controls Competition

Lighting for Tomorrow **presents the best lighting control products from the 2014 competition. The lighting control products featured in this brochure combine innovation with a winning design to provide high quality, energy efficient lighting and product connectivity.**

What defines lighting controls in 2014?

The Lighting Controls portion of the 2014 competition was open to lighting control manufacturers who make stand-alone or system-based lighting control products suitable for residential applications. The submission categories included: dimmers, motion sensors, vacancy sensors, occupancy sensors, photosensors, timers, combination and multiple-function devises, demand response monitoring and evaluation devices, and "smart" controls and systems.

Why is *Lighting for Tomorrow* **looking at lighting controls this year?**
The ways that lighting controls are made, used and integrated into today's residential lighting systems are changing rapidly. No longer is a lighting control simply a switch or dimmer; it's an integral part of the lighting system to expand functionality, enhance appearance and, more recently, to help with the effort to reduce lighting energy use. Lighting controls are mandated by law in some areas for certain rooms, applications or fixture types. A particular challenge for control manufacturers is the growing need to dim and control mixed loads in lighting situations where incandescent, fluorescent and LED light sources are used together. Fortunately, new industry standards are making the task of matching controls to fixtures easier and this year's control products proved to be "smarter" than ever before displaying features such as self-calibration to maximize dimming performance and internet integration to mesh with the growing use of mobile apps and personal communication devices.

criteria	considerations
1. Functionality	• Does the control product work the way it is described? • Does it perform well with energy efficient technologies?
2. Value	• Do you think the product provides good value for money? • Does the performance and materials appear to be commensurate with the price range?
3. Ease of Installation	• How simple would this be for a consumer to install? • For complex systems is the professional installation process straight forward?
4. Ease of Use	• How simple would this be for a consumer to use?
5. Innovation	• Has this product employed new and exciting technology, materials or design? • Do the new features provide additional benefit to the consumer?
6. Ability to Interface with Other Systems	• How well does the control product work with other systems? • Do you foresee any problems installing this in a home with existing lighting control devices?
7. Compatibility with Existing Luminaries	• How well does this control work with legacy lighting technology? • How well does this control work with LED technology?

Who selected the winning products?
The 2014 *Lighting for Tomorrow* judging panel consisted of eight judges drawn from various areas of the residential lighting community. The judging panel included a diverse cross-section of experts in lighting technology, lighting sales, energy efficiency, standards and safety, lighting design, and communications.

Judges

Juan Caamaño
UL
Melville, NY

Richard Greenburg
Southern California Edison
Rosemead, CA

Kelly Roberson
Better Homes & Gardens
Lighting Magazine
Des Moines, IA

Monty Gilbertson
Lighting Design
by Wettstein
La Crosse, WI

Pamela Horner
IES
Boston, MA

David Thayer
Pacific Gas &
Electric Company
San Francisco, CA

Bud Goolsby
Coastal Lighting
Wilmington, NC

Patricia Rizzo
Lighting Research Center
Troy, NY

Winner

Caséta™ Wireless
Lutron Electronics

Giving clients a connected home has never been easier, more reliable, or affordable, with Caséta™ Wireless. The Lutron Smart Bridge Pro connects in-wall dimmers, lamp dimmers, Serena® remote-controlled shades, and third-party devices (including some security systems) to a new Lutron app, providing convenient home control from iOS and Android-based smart phones.

Product Specs:
Features:
- Dimmer can be plug-in or in-wall
- Wall plates snap on with no visible means of attachment
- Ideal for retrofit applications; no neutral required
- 100W CFL/LED as well or 300W incandescent/ halogen 120V
- Works with dimmable CFLs and LEDs
- Plug-in lamp dimmer can be converted to a switch to control non-dimmable loads
- Remote control and occupancy/vacancy sensing
- Control can be located 60ft line-of-site or 30ft through walls or floors

Product:
Caséta™ Wireless

Dimensions:
In-wall dimmer and switch:
4.7"H x 2.9"W x 1.4"D
Plug-in dimmer:
3.1"H x 2.2"W x 1.2"D
Smart Bridge Pro:
1.2"H x 2.8"W x 2.8"L

Availability:
Caséta™ Wireless dimmers are available at Home Depot, Staples and on Amazon.com. The Smart Bridge is available on Amazon.com and will soon be available on www.serenashades.com.

Contact Information:
Lutron Electronics
7200 Suter Road
Coopersburg, PA 18036

(610)282–7341
www.casetawireless.com

Judges' Remarks:

~ An intuitive, flexible control system

Honorable Mention

Serena®
Battery-Powered
Roller Shades
Lutron Electronics

These ultra-quiet battery-powered shades install wirelessly and can be operated from anywhere in the room using a remote control.

Product Specs:

Ratings
Operating Voltage: 6-12V
Operating Wattage: 5 W
Speed: 1.8"/second

Compatible Controls:
Pico® wireless control,
Infrared Remote Control

Features
• 3-year battery life
• Built in wireless
  communication
• Insulating properties
  up to an R Value of 4.3,
  depending on fabric

Product:
Serena Battery-Powered
Roller Shades

Dimensions:
15-96" W x 12-96" H

Availability:
Serena® Battery-Powered
Roller Shades are available
to consumers now at select
Staples locations, at Home
Depot in August 2014, and
Lowes in September 2014.

Contact Information:
Lutron Electronics
7200 Suter Road
Coopersburg, PA 18036

(610)282–7341
www.serenashades.com

Organizers

Lighting for Tomorrow is a residential energy efficient lighting product design competition organized by the American Lighting Association, the Consortium for Energy Efficiency (CEE), and UL.

Sponsors

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