



## 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

*Lighting for Tomorrow* would like to thank the following CEE member utilities and energy efficiency programs, who generously supported the competition by providing funding in 2014.



# 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 devices, 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. More information about how controls entries were evaluated can be found in the judging criteria below.

## Judging Criteria

criteria	considerations
1. Functionality	<ul style="list-style-type: none"> <li>Does the control product work the way it is described?</li> <li>Does it perform well with energy efficient technologies?</li> </ul>
2. Value	<ul style="list-style-type: none"> <li>Do you think the product provides good value for money?</li> <li>Does the performance and materials appear to be commensurate with the price range?</li> </ul>
3. Ease of Installation	<ul style="list-style-type: none"> <li>How simple would this be for a consumer to install?</li> <li>For complex systems is the professional installation process straight forward?</li> </ul>
4. Ease of Use	<ul style="list-style-type: none"> <li>How simple would this be for a consumer to use?</li> </ul>
5. Innovation	<ul style="list-style-type: none"> <li>Has this product employed new and exciting technology, materials or design?</li> <li>Do the new features provide additional benefit to the consumer?</li> </ul>
6. Ability to Interface with Other Systems	<ul style="list-style-type: none"> <li>How well does the control product work with other systems?</li> <li>Do you foresee any problems installing this in a home with existing lighting control devices?</li> </ul>
7. Compatibility with Existing Luminaries	<ul style="list-style-type: none"> <li>How well does this control work with legacy lighting technology?</li> <li>How well does this control work with LED technology?</li> </ul>

## 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

**Monty Gilbertson**  
Lighting Design  
by Wettstein  
La Crosse, WI

**Bud Goolsby**  
Coastal Lighting  
Wilmington, NC

**Richard Greenburg**  
Southern  
California Edison  
Rosemead, CA

**Pamela Horner**  
IES  
Boston, MA

**Patricia Rizzo**  
Lighting  
Research Center  
Troy, NY

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

**David Thayer**  
Pacific Gas &  
Electric Company  
San Francisco, CA

# Winner

## Caséta™ Wireless

### Lutron Electronics

Lighting Control



Giving clients a connected home has never been easier, more reliable or as affordable. Lutron’s Smart Bridge Pro connects Lutron Caséta™ Wireless dimmers, Serena® battery-powered shades and Pico remote controls to a simple app that provides convenient control from anywhere.

## Product Specs

### Features:

- In-wall and plug-in dimmers available
- Wall plates snap on with no visible means of attachment
- Ideal for retrofit applications; no neutral required
- Up to 150W dimmable LED or 600W incandescent or halogen
- Plug-in lamp dimmer can be converted to a switch to control non-dimmable loads
- Can also be controlled from select 3rd-party security, A/V and connected home systems

### 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 from your local Lutron provider, Home Depot, Staples, and on [www.Amazon.com](http://www.Amazon.com). The Smart Bridge is available on [www.Amazon.com](http://www.Amazon.com) and will soon be available on [www.lutron.com](http://www.lutron.com)

### Contact Information:

Lutron Electronics  
7200 Suter Road  
Coopersburg, PA 18036

1 (888) LUTRON1 (588-7661)  
[www.casetawireless.com](http://www.casetawireless.com)

## Judges’ Remarks:

*An intuitive, flexible control system*

## Product Specs

### Ratings:

Operating Voltage: 6-12V  
Operating Wattage: 5 W  
Speed: 3.6"/second

### Compatible Controls:

- The Serena® Roller Shades can be controlled with the Lutron Smart Bridge and app
- Pico® remote control features 10-year battery life

### Features:

- Operates on regular D-cell batteries that last 3 - 5 years; batteries can be changed without removing the shade
- Built in wireless communication

2014

## 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.

