Lighting Controls Competition
2010 Entrant Guide

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Organizing Sponsors

Lighting for Tomorrow is jointly sponsored and organized by the American Lighting Association (ALA), the Consortium for Energy Efficiency (CEE), and the U.S. Department of Energy (DOE), represented by Pacific Northwest National Laboratory (PNNL).

ALA is the only trade association uniting lighting manufacturers, showrooms/distributors, manufacturer representatives, component manufacturers, and industry-related companies dedicated to providing the public with quality residential lighting. ALA has over 1,200 corporate members across the U.S., Canada and the Caribbean.

CEE is a non-profit public benefits corporation, working in the US and Canada, that promotes the manufacture and purchase of energy-efficient products and services. CEE's goal is to induce lasting structural and behavioral changes in the marketplace, resulting in the increased adoption of energy-efficient technologies.

DOE's Building Technologies Program conducts research and development on technologies and practices for energy efficiency, working closely with the building industry and manufacturers. PNNL is a DOE multi-program national laboratory that delivers breakthrough science and technology to meet key national needs.

Co-Sponsors
Lighting for Tomorrow is co-sponsored by energy efficiency program administrators such as electric utilities, nonprofit groups, and state energy offices that have a significant interest in promoting energy-efficient residential lighting. These sponsors have provided both financial and in-kind support to the competition. For the complete list of sponsors, visit the Lighting for Tomorrow web site at www.lightingfortomorrow.com.

Purpose

The purpose of Lighting for Tomorrow is to increase the market availability of energy-efficient residential lighting products: fixtures, lamps and controls and to increase the marketing, promotion, and sales of such products through primary distribution channels for the new construction and renovation markets. In 2010, the Lighting Controls Competition's specific objectives are the following:

- Stimulate the development of residential lighting control products in the market that are compatible with energy efficient lamp and fixture technologies, both fluorescent and LED.
- Increase lighting energy savings that go beyond the market penetration ENERGY STAR qualified fixtures and ENERGY STAR CFL and LED lamp products.

To meet these objectives, the Lighting for Tomorrow 2010 Competition is seeking stand-alone controls as well as system-based and whole-house controls systems that are compatible with energy efficient lamp and fixture technologies.

Timeline

2009 competition announced	International Lighting & Accessories Market – Dallas, TX	January 14-18, 2010
Intent-to-submit forms due	See www.lightingfortomorrow.com	April 14, 2010
All entries due (actual working products are required)	Entrants will receive the mailing address via email	May 21, 2010
Judging Session	TBD	June 2010
Winners notified	Via phone and email	July 2010
Winners announced. Publicity & promotions start	American Lighting Association Annual Conference – Las Vegas, NV	September 20-22, 2010

Awards

Winners will be announced during an award ceremony at the ALA Annual Conference and winning products will be promoted throughout the ensuing year in full color publications, the Lighting for Tomorrow website, articles and press releases, and a traveling trade-show exhibit that will appear at major lighting, builder, and energy-efficient products shows.

Judging Panel

The judging panel for the 2010 competition will consist of approximately 10 individuals, including lighting retailers, lighting designers, home builders, lighting researchers, energy efficiency program sponsors, and lighting and design media representatives.

Participants

The competition is open to lighting control manufacturers who make stand-alone or system-based/ whole-house control products.

Submission Categories

The submission categories for the 2010 Lighting Controls Competition include:

Stand-alone/ System-based / Whole-house Controls –

- Dimmers
- Motion Sensors
- Vacancy Sensors
- Occupancy Sensors
- Photosensors
- Timers
- Combination and Multiple-function Devices
- Demand Response Monitoring and Evaluation Devices

Product Criteria

- Multi-station, multi-component or whole-house systems submitted to LFT for consideration must provide a working sample of the system which includes the various components – similar to a portable demonstration that might be used for customer demonstrations or at a trade show.
- The competition is open to designs with primary applicability in the residential sector, or in residential-style applications such as hospitality and assisted living environments.
- Lighting controls intended for indoor or indoor/outdoor applications may participate. Controls intended only for outdoor applications are not eligible.
- The competition is intended to highlight the lighting control products that are available for purchase in 2010. As such, products in the market, introduced (or planned for introduction) to the market between January 1, 2010 and January 31, 2011 are eligible to participate in the competition.
- Entrants must submit working prototypes or production-quality control samples for judging . Shipping instructions will be sent to entrants after they have completed an Intent-to-Submit form.

- A prototype is defined as a fully functional representative sample of the lighting controls that will serve as the basis for evaluation, demonstration, and further development.
- A production-quality control is defined as a lighting control with the same composition and materials as controls currently in production.

- Proposed lighting controls must be suitable for sale by lighting showrooms and other retailers that service the residential new construction and major renovation markets.
- Submittals must be accompanied by suggested retail price range information.

Technical Requirements

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

Required Documents

An online Intent-to-Submit form must be submitted to competition organizers by April 14, 2010.

A Final Submission form must be submitted online by May 21, 2010, with the following documentation (all submitted via email):

- Product photo.
- Product specification sheets.

Entries (operating samples) should be shipped to the judging location by May 21, 2010 with a printed and signed version of the final submission form. Any proprietary information should be marked as such. Entries arriving without a completed submission form will not be considered.

Evaluation Procedure

Evaluation of LFT entries will take place in the following stages:

Initial screening

LFT organizers will screen entries by reviewing each submittal to verify that all products entered fall within the scope of the competition. Lighting controls will also be evaluated to make sure all parts necessary to mount and operate the product in its intended application are included and that the controls function properly.

In-person judging

The judging panel will meet in-person to evaluate the entries (see evaluation criteria). Controls will be installed and connected to power.

Evaluation Criteria

Judges will score each entry according to the following criteria:

- Functionality – do they work as described

- Value – the quality of the product compared to the price
- Potential for energy savings – the energy saving savings resulting from installing this product in a residence
- Ease of installation/use – how simple it would be for a consumer to install and use the lighting control
- Innovation – has this product employed something new and exciting
- Ability to interface with other systems – how well does it work with other systems
- Adaptability to existing luminaires – how well does it work with currently installed lighting

The judging panel may award bonus points for entries exhibiting other desirable characteristics relating to function, use and intended application. Bonus points will be defined by consensus by the judging panel.