



Competition Recognizes Innovative, Energy-Efficient Commercial Lighting Luminaires

The *Next Generation Luminaires* (NGL) SSL Design Competition seeks to encourage technical innovation and recognize and promote excellence in the design of energy-efficient LED commercial lighting luminaires. Organized by the Department of Energy (DOE), Illuminating Engineering Society of North America (IESNA), the International Association of Lighting Designers (IALD), the competition encourages manufacturers to develop innovative commercial luminaires that are energy-efficient and provide high lighting quality and consistency, glare control, lumen maintenance, and luminaire appearance needed to meet specification lighting requirements.

Background

Since 2002, the DOE has co-sponsored a national lighting fixture design competition (called *Lighting for Tomorrow*) in partnership with industry and energy-efficiency organizations. The competition focuses on residential lighting, demonstrating that energy-efficient (fluorescent) lighting can be beautiful and decorative. In 2006, a LED category was added to *Lighting for Tomorrow*, to encourage well-designed residential LED luminaires in specific applications.

On-going advances in SSL technology and the growing number of product introductions signal an opportunity to encourage, recognize, and promote LED luminaires suitable for the commercial specification market, implicitly differentiating them from LED products that will not meet the needs of lighting designers, specifiers, and users.

Judging Criteria

Designs will be evaluated on the basis of color appearance, color rendering, appropriate illuminance and luminance levels, application efficiency, thermal management, and aesthetic appearance and style. Bonus points will be given for innovative designs that eliminate off-state power consumption, outdoor entries that are dark-sky friendly, and entries that address application modularity and serviceability/ replacement issues.

Next Generation Luminaires judges will be drawn from across the architectural lighting design community, creating a diverse panel of experts who design, specify, evaluate, research, and write about commercial SSL luminaires.



Submission Categories

The *Next Generation Luminaires* competition recognizes the on-going rapid changes and advancements in white LED technology for general illumination. LEDs, when incorporated into well-designed luminaires, are now appropriate for a growing number of lighting applications. Entries will be accepted in the following categories:

Market-Ready Luminaires

The Market-ready category is for luminaires that are in or near production and ready for specification. Emphasis will be on quality and practicality of the luminaire for real-world lighting applications in the commercial specification market. Acceptable entries include, but are not limited to, under-cabinet shelf-mounted lights, portable desk/task lights, recessed downlights, cove lighting, valence lighting, pendants, wall washers, wall sconces, accent lighting, refrigerated and non-refrigerated retail display case lighting, exterior architectural lights, facade lighting, street and area lighting, and pedestrian pathway lighting.

Emerging Products

The Emerging category encourages new, innovative ideas for application of white LEDs to solve lighting design problems. The category is open to products that are not yet market-ready, but a working prototype must be provided. Luminaires as well as LEDs and LED systems designed for integration into furniture, equipment, or architectural or structural elements are eligible.

For complete guidelines and rules for the 2008 competition, see www.nglfdc.org.

2008-2009 Timeline

- May 2008: **Call for Entries begins**
- July 31, 2008: **Intent to Submit Forms Due**
- September 26, 2008: **Entries Due**
- November 2008: **Judging**
- February 2009: **Winners Announced**

For More Information

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