



Competition Recognizes Innovative, Energy-Efficient Commercial Lighting Luminaires

The Next Generation Luminaires™ Solid-State Lighting (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), the Illuminating Engineering Society of North America (IES), and 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.

Launched at LIGHTFAIR in May 2008, the Next Generation Luminaires competition recognizes the 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.

2008 Next Generation Luminaires Winners

Winners of the first-annual Next Generation Luminaires awards were announced in February at the Strategies in Light conference in Santa Clara, California. A total of 68 entries were submitted from 29 lighting companies. Of the entries, 22 were selected for recognition in the market-ready category. Three of these products were designated as Best in Class:

- GE Lighting: Immersion™ jewelry case lighting
- Journée Lighting: AZARA track mounted luminaires
- Winona Lighting: STEP03 indoor/outdoor step lighting

Winona Lighting also earned one of the 19 “recognized” designations in the market-ready category for its Winscape LED16 outdoor flood fixture. In addition, GE Lighting was recognized for its Architectural Cove Lighting, and Philips Color Kinetics earned recognition for three of its eW Powercore products—a surface-mounted downlight, an undercabinet fixture, and a linear cove light. Downlight designs by Specialty Lighting Industries, Gallium Lighting LLC, Lightolier, Amerlux Lighting Solutions, and Cree LED Lighting received recognition, as did MP Lighting and Amerlux for track lighting products. Tech Lighting provided an LED pendant fixture with 40 different pendant options.



GE Lighting: Immersion™ jewelry case lighting



Journée Lighting: AZARA track mounted luminaires



Winona Lighting: STEP03 indoor/outdoor step lighting

Albeo Technologies Inc. offered an LED alternative to high-intensity discharge high-bay lamps. Cree submitted a noteworthy high-lumen-output 24" square ceiling light, and LED-Linear was recognized for an undercabinet luminaire.

The five “emerging” products selected as noteworthy but not yet market-ready included two by GO Lighting Technologies—a 24" round ceiling-mounted fixture and a 4-foot LED linear lamp that could be hung or wall mounted, a downlight by Ledion Lighting, a linear pendant by Beta Lighting, and a submersible linear by Winona Lighting.

Next Generation Luminaires 2009

The 2009 competition was launched in May. For complete guidelines and rules for the 2009 competition, see www.ngldc.org.

Participants

The competition is open to LED, lighting, lighting system, and luminaire manufacturers, including LED device and system manufacturers in conjunction with their luminaire manufacturing partners.

Judging Criteria

Designs are evaluated on the basis of color appearance, color rendering, appropriate illuminance, application efficiency, aesthetic appearance and style, serviceability, and replacement. Bonus points are awarded 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 are 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.


2009–2010 Timeline

- **May 2009:** Call for Entries Begins
- **August 2009:** Intent-to-Submit Forms Due
- **October 2009:** Entries Due
- **November 2009:** Judging
- **February 2010:** Winners Announced

For more information on Next Generation Luminaires, see www.ngldc.org or email NGL09@pnl.gov.

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