

SOLID-STATE LIGHTING:

Recognizing Innovative, Energy-Efficient Commercial Lighting Luminaires

The Next Generation Luminaires™ Solid-State Lighting 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 U.S. Department of Energy (DOE), the Illuminating Engineering Society of North America (IES), and the International Association of Lighting Designers (IALD), the Next Generation Luminaires competition encourages manufacturers to develop innovative commercial luminaires that are energy efficient and provide the high lighting quality and consistency, glare control, lumen maintenance, and luminaire appearance needed to meet specification lighting requirements.



Photo courtesy of Philips Lightolier.



Launched in 2008, the 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.

2010 Next Generation Luminaires Winners

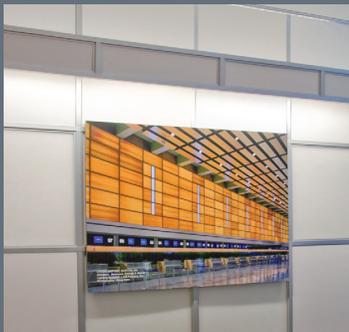
Winners of the third-annual Next Generation Luminaires awards were announced in February 2011 at the

Strategies in Light® conference in Santa Clara, California. A total of 138 entries were judged from 61 lighting companies. Of the entries, 42 were selected for recognition, with four of these products (see below) designated as Best in Class.

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.

Best in Class, 2010 Next Generation Luminaires



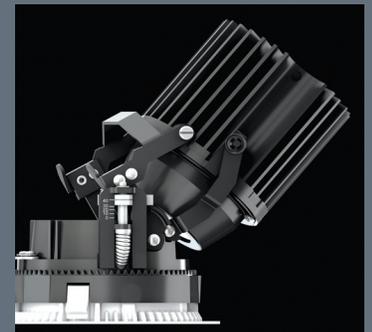
The Lighting Quotient: fraqtir™ linear concealed LED cove luminaire



Philips Color Kinetics: eW Burst® Powercore facade lighting



Koncept Technologies: Equo™ LED desk lamp



USAI: NanoLED™ recessed accent lighting

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 adjustability, dark-sky-friendly optics, entries demonstrating no off-state power consumption, and entries with LM-80 product depreciation data (to estimate service life).

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.

NGL Expands to Indoor and Outdoor Competitions for 2011-2012

Due to growing interest and participation, Next Generation Luminaires has been expanded to include separate indoor and outdoor competitions. These distinctions will enable greater refinement of the performance criteria and the composition of the judging panels, enhancing the competition's value to lighting designers and specifiers.

2012 Indoor Competition

- Call for Entries: October 2011
- Final Entries Due: February 2012
- Judging Event: March 2012
- Winners' Announcement: May 2012, LIGHTFAIR International

2012 Outdoor Competition

- Call for Entries: March 2012
- Final Entries Due: June 2012
- Judging Event: July 2012
- Winners' Announcement: September 2012

NGL 2010 Recognized Winners

Category—Indoor	Manufacturer/Product
Accent Track Lighting	<ul style="list-style-type: none"> • Amerlux Global Lighting Solutions: Contour Series Track Head • Tech Lighting: Element Envision LED Head • Intense Lighting: MB900 • Juno Lighting Group: T251 and T253 Cylindra LED • Lighting Services Inc.: LumeLEX® 2040 Series • Philips Lightolier: Alcyon
Recessed Accent Lighting	<ul style="list-style-type: none"> • Juno Lighting Group: Aculux Recessed Accent Light and Mini LED Downlight and Gimbal • RSA Lighting: LED Combolight • USAI: BeveLED
Wall Washing	<ul style="list-style-type: none"> • Cooper Lighting: Portfolio 6 Wall Wash • Juno Lighting Group: T256 LED Wall Wash/Flood
Wall Grazing	<ul style="list-style-type: none"> • Visa Lighting: Sleight
Recessed Downlighting	<ul style="list-style-type: none"> • Cooper Lighting: Portfolio 4 and 6 • Edison Price Lighting: LED FTD DL/5-2000 • Focal Point: ID LED • Philips Lightolier: Calculite LED Downlight • Philips Omega: Omega Revelation LED Downlight • JuiceWorks: LED Downlight • USAI: NanoLED • Cree LED Lighting: CR6™ Downlight
Pendant Decorative Lighting	<ul style="list-style-type: none"> • Juno Lighting Group: Decorative LED Mini-Pendants • Philips Lightolier: Vetro LED PM Series
Wall Sconces	<ul style="list-style-type: none"> • Edge Lighting: Taos LED • Visa Lighting: Escape
General Illumination	<ul style="list-style-type: none"> • Axis Lighting: DIA
Industrial Lighting	<ul style="list-style-type: none"> • Digital Lumens: ILE-MB-3
Category—Outdoor	Manufacturer/Product
Industrial Specialty Lighting	<ul style="list-style-type: none"> • Philips Day-Brite: LED Dock Light
In-Grade Lighting	<ul style="list-style-type: none"> • Edge Lighting: Sun3 LED and Port LED
Street and Area Lighting	<ul style="list-style-type: none"> • EvoLucia, Inc.: SCHX5 LED • Philips Roadway Lighting: RoadStar

NGL 2010 Notable Winners

Category—Indoor	Manufacturer/Product
Specialty Accent Lighting	<ul style="list-style-type: none"> • Zumtobel Lighting, Inc.: SUPERSYSTEM LED
Parking Lot Lighting	<ul style="list-style-type: none"> • Philips Wide-Lite: HIBRED HID/LED Low-Level Ambient Lighting System
Vanity Lighting	<ul style="list-style-type: none"> • Illumination Machines: Estelle™ LED Mirror
Recessed Downlighting	<ul style="list-style-type: none"> • Liton Lighting: Architectural 1,000 Lumen Downlight
Category—Outdoor	Manufacturer/Product
Pedestrian Pathway Lighting	<ul style="list-style-type: none"> • Landscape Forms: Lo-Glo

For More Information

For more information on Next Generation Luminaires, see www.ngldc.org or email NGL@pnnl.gov. To learn more about IES and IALD, visit www.ies.org and www.iald.org.

EERE Information Center

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