

# Next Generation Luminares Commercial Design Competition

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Voices for SSL Efficiency  
July 11, 2008, Portland, Oregon

## Lighting for Tomorrow Update

- Judging - May 2008
- CALiPER testing of finalists - June 2008
- Winners announced - Sept. 2008, ALA National Conference
- '09 competition plans (tentative)



## Background

- Lighting for Tomorrow (LFT) – residential focus
- LFT launched in 2004 – CFL only
- SSL products added in 2006
- 2009 – possible shift to only SSL
- 2008 ENERGY STAR criteria requirements
- ENERGY STAR includes commercial
- Logical progression to a commercial competition

## Goals

- Put a spotlight on product manufacturers who are 'getting it right'.
- Help the market to improve luminaires
  - Lighting quality & consistency
  - Energy efficiency
- Help meet an urgent need of lighting specifiers



# Competition Partners



**Illuminating**  
ENGINEERING SOCIETY



INTERNATIONAL ASSOCIATION OF LIGHTING DESIGNERS

**IALD**

# Steering Committee

## IESNA:

- **Nancy Clanton**, *PE, FIES, LC, IALD, Principal, Clanton & Associates*
- **Dan Blitzler**, *IESNA, LC, Principal, Contract Marketing, President, Designers Lighting Forum of New York*

## IALD:

- **Melissa Hertel**, *Sr. Marketing Manager, Lightolier. IALD Lighting Industry Research Council co-chair*
- **Avraham “Avi” Mor**, *LEED AP, IESNA, IALD, Lightswitch, Inc.*

## Participants

- LED, lighting, lighting system & luminaire manufacturers
- LED device & system manufacturers (with luminaire manufacturing partners)

# Submission Categories

- **Market-ready Luminaires**

- ENERGY STAR category A
  - Under-cabinet shelf mounted lights
  - Portable desk/task lights
  - Recessed downlights
- General illumination (including but not limited to)
  - Cove lighting, valence lighting, pendants, wall washers, wall sconces, accent lighting, refrigerated and non-refrigerated retail case lighting, exterior architectural lights, façade lighting, street and area lighting, and pedestrian pathway lighting



## Submission Categories (2)

- **Emerging Products**
  - Innovative prototype products not yet market-ready
  - Includes LED products integrated into furniture, equipment, or architectural elements

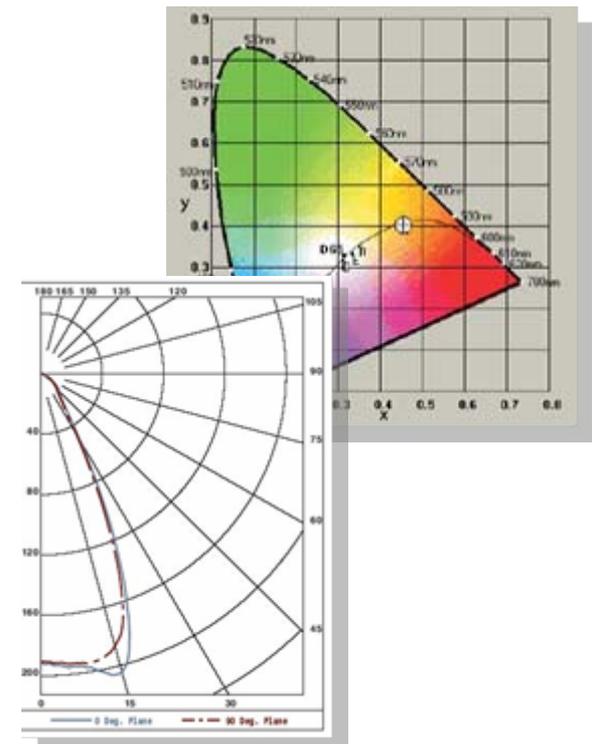
## Product Criteria

- Primarily applicable to the commercial, institutional, or public sector
- White light, general illumination only
- Both indoor & outdoor applications
- Three production luminaire submissions (market-ready only)



## Required Documents

- Intent-to-submit form (online)
- Final submissions
  - Final submission form (online)
  - 3 production quality luminaires
  - Published LED data sheets & driver documentation
  - Luminaire photometric reports (market-ready only)



# Online Submission

The screenshot shows the website's navigation menu with links for PUBLICATIONS, PRESS, WINNERS, and HOME. The main content area is titled '2008 Intent to Submit Form' and includes a sidebar with '08 COMPETITION' links, a central form section, and a right sidebar with '08 Timeline', 'Questions?', and 'Competition Partners' information.

**08 COMPETITION**

- Submission Categories
- Product Criteria
- Technical Requirements
- Evaluation Procedure
- Evaluation Criteria
- Judging Panel
- Online Submission
- Required Documents
- Timeline
- Awards
- SSL Resources

## 2008 Intent to Submit Form

Submission of this form indicates that you are planning to enter the Next Generation Luminaires 2008 Competition and would like an entry number assigned for your proposal materials. At this point, only the following information is required and submission of this form does not obligate you to enter the Competition.

**A separate form must be submitted for EACH entry.** To maintain independence, judges will only see entry numbers when evaluating submissions. The number assigned to your proposed luminaire will be sent to you within 30 days of receipt of this form.

Please complete and submit this form no later than **July 31, 2008.**

*Fields marked with an asterisk (\*) are required.*

**Entrant Last Name:\***

**Entrant First Name:\***

**08 Timeline**

- May 08 - Call for Entries begins
- July 08 - Intent-to-Submit forms due
- Oct. 08 - All entries due
- Feb. 09 - Winners announced

**Questions?**

Please send questions to:  
✉ [ngl08@pnl.gov](mailto:ngl08@pnl.gov).

**Competition Partners**

- Illuminating Engineering Society of North America
- International Association of Lighting Designers
- U.S. Department of Energy, Solid State Lighting represented by
- Pacific Northwest National Laboratory

# Evaluation Procedure

- Initial screening
- In-person judging
- Performance verification of finalists



Photo credit: Luminaire Testing Laboratory

## Evaluation Criteria

- Color appearance
- Color rendering
- Appropriate illuminance
- Appropriate luminance
- Application efficiency
- Aesthetic appearance & style
- Serviceability & replacement



## Bonus Points

- No off-state power use
- Dark-sky friendly
- Adjustability/flexibility

## Judging Session

- Nov. 6-7, 2008
- Underwriters Laboratory, Raleigh, NC
- Judges – diverse panel of experts
  - Lighting designers
  - Architects
  - Integrators
  - Educators
  - Testing laboratory representative

# Timeline

		Date
Intent-to-submit forms due	See <a href="http://www.ngldc.org">www.ngldc.org</a>	July 31, 2008
All entries due		Oct. 15, 2008
Judging Session	Underwriters Laboratories	Nov. 6-7, 2008
Winners notified	Via phone and email	December 2008
Winners announced	Strategies in Light	February 2009

## Recognition

- *Best in Class winners*
- *Merit worthy products*

*Goal: Recognize all quality, energy efficient products ready for specification.*

*“What, your product was not even recognized by Next Generation Luminaires”*

# Winner Promotion

- Full color catalogue
- Website
- Various industry publications & press releases
- Other DOE SSL programs
  - Gateway demonstrations
  - TINSLL member utility programs
  - Other DOE programs (e.g. REA)



# Questions?

Ruth Taylor

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