

LIGHTING *for* tomorrow

ENERGY STAR Lighting Partner Meeting
Atlanta – March 13, 2007

Kelly Gordon
PNNL

american
lighting
association

CEE 
Together We Can Change
National Markets



Organizers

- American Lighting Association
- Consortium for Energy Efficiency
- U.S. Department of Energy
 - Represented by PNNL

american
lighting
association



*Working Together,
Advancing Efficiency*



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Objectives

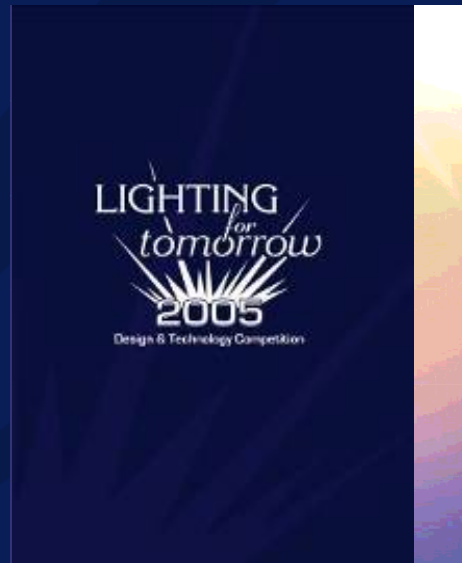
- Encourage and recognize attractive, energy-efficient residential lighting fixtures.
- Build demand for energy-efficient lighting by demonstrating that it can be highly attractive and functional.
- Encourage technical innovation in energy-efficient lighting.



Competitions to Date



2004



2005



2006

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2006 Yearbook Competition


- 55 entries
- 10 winners
- 16 honorable mentions
- 10,000 Yearbooks printed

Indoor Fixture Families



Of nearly 60 indoor and outdoor lighting fixture families that competed to appear in the Yearbook, the judges selected 26 fixture families. In the indoor category, 7 designs were selected as 2006 Lighting for Tomorrow winners, while 12 additional designs were awarded honorable mention. In the outdoor category, 3 designs were designated as winners, with 4 others earning honorable mention. These designs were submitted by the twelve manufacturers listed below. Lighting for Tomorrow congratulates each of the award-winning manufacturers and their design teams for their outstanding achievement.

- Good Earth Lighting
- Sea Gull Lighting
- Lithonia Lighting
- Hunter Lighting Group
- American Fluorescent
- Kichler
- Deancoils
- Dolan Designs
- Progress Lighting
- Eclipse Lighting
- Justice Design Group
- Quorum International

Lighting for Tomorrow Winners

 San Miguel p.14	 Carlisle & Grace p.16	 Neo-Steele p.18	 Sanctuary p.20
 Aria Series p.22	 Olympia p.24	 Xena p.26	

Honorable Mentions

 Dakota™ Melted Rim p.28	 Bend™ p.29	 Dakota™ Broken Rim p.30	 Dauphine p.31
 International p.32	 Meloe p.33	 GREEN Series p.34	 Restoration Series p.35
 Glasgow Series p.36	 Facets Series p.37	 Sylvan Park p.38	 Rice p.39

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GOOD EARTH LIGHTING

Indoor Winner





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SEA GULL LIGHTING

Indoor Winner





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LITHONIA LIGHTING

Indoor Winner





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HUNTER LIGHTING GROUP

Indoor Winner





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AMERICAN FLUORESCENT

Indoor Winner





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KICHLER
Indoor Winner





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DEACOINS
Indoor Winner





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LITHONIA LIGHTING

Outdoor Winner





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LITHONIA LIGHTING

Outdoor Winner





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PROGRESS LIGHTING

Outdoor Winner



First SSL Competition

- 30+ entries
- Judging at CLTC
- 4 winners
- 4 honorable mentions
- Announced Dec 2006



Winner – Undercabinet

- Diode 28 by American Fluorescent
 - 5 watts
 - Introduced at Dallas Market



Winner – Undercabinet

- **Linear by Lucere Lighting**
 - 18 watts
 - Available through sales reps



Winner – Portable Desk/Task

- Halley by Lucesco
 - 19 watts; dimmable
 - Floor lamp version



Winner – Outdoor

- Lakeland by Progress Lighting
 - 3.5 watts
 - Complete family of fixtures



Honorable Mention

In-cabinet lighting



**LED Bullet by
American
Lighting**



**HF2Eye
by Osram
Sylvania**

**Luxrail by
io Lighting**



Lighted handrail



Javelin by Albeo

Undercabinet light



What's Ahead for 2007?

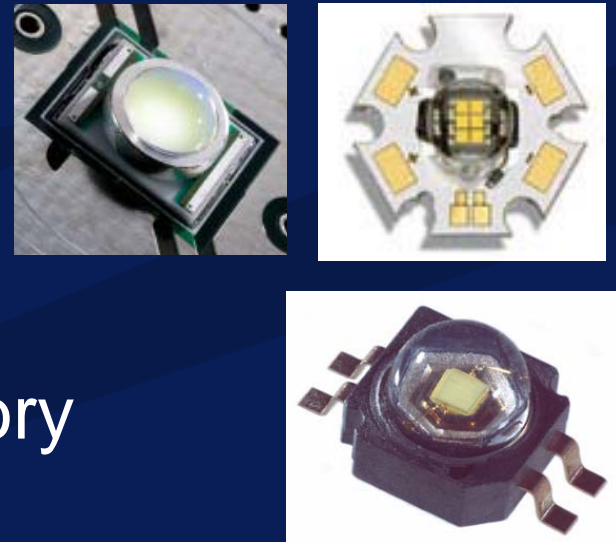


One Competition, Two Categories

- CFL fixture families
 - Indoor and outdoor
 - Meet ENERGY STAR



- LED-based fixtures
 - Niche applications
 - Cutting edge design category



Eligible Fluorescent Fixture Types

- Indoor fixture families
 - At least 3 matching fixtures for different applications
- Outdoor fixture families
 - At least 2 matching fixtures for different applications
- Meet requirements of ENERGY STAR Residential Light Fixture criteria, v. 4.0



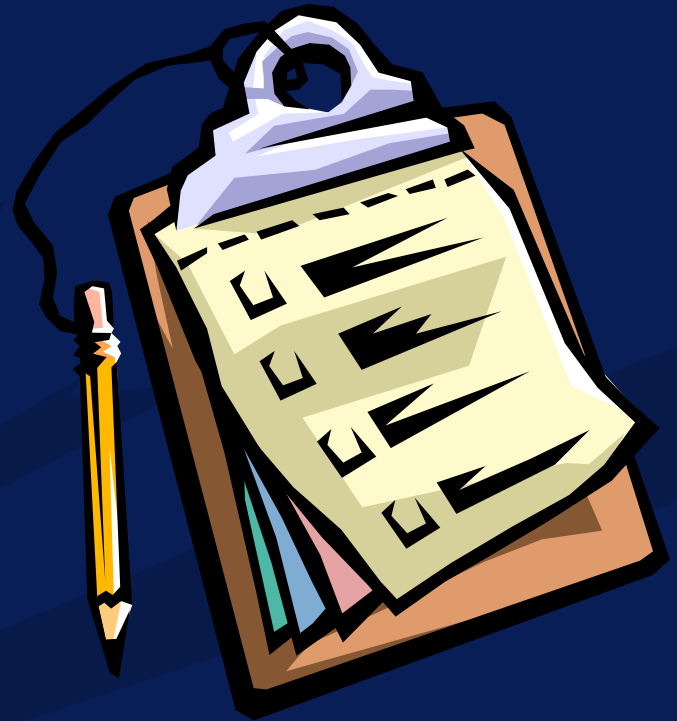
Eligible LED Fixture Types

- Niche applications
 - Undercabinet and in-cabinet
 - Portable desk/task
 - Outdoor porch, path, step
 - Recessed downlights
- Cutting edge design category
 - Not restricted to niche applications
 - Think outside traditional fixture types



LED Minimum Requirements

- No screw-based fixtures
- LED luminous efficacy
 - 40 lm/W for < 5000K
 - 50 lm/W for 5000K +
- Driver efficiency
 - 85% minimum
- LED life
 - 35,000 hours to 70%



Judging Criteria

- Lighting quality
 - Color appearance
 - Color rendering
 - Illuminance levels and distribution
- Application efficiency
- Thermal management
- Aesthetic appearance



Bonus Points

- Dimming capability
- Innovative use of LEDs
- Dark sky friendly design for outdoor fixtures
- No off-state power consumption



2007 Timeline

- Jan 19 – Announced competition
- Mar 31 – Intents to submit due
- May 31 – Entries due
- Sep 9 – Announce winners at ALA conf



2007 Winner Promotion

- Yearbook publication
- LED winners publication
- Press
- Trade shows
- Builder promotion
- Energy efficiency programs



For More Information

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