Organizers

- American Lighting Association
- Consortium for Energy Efficiency
- U.S. Department of Energy – Represented by PNNL
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
2006 Yearbook Competition

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

LIGHTING for tomorrow
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
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