



LIGHTING  
*for*  
tomorrow

# Update on the 2006 Competition

Kelly Gordon, PNNL

March 1, 2006

ENERGY STAR Lighting Partner Meeting

# Organizers

- American Lighting Association
  - Lighting showrooms
  - Lighting fixture manufacturers
- Consortium for Energy Efficiency
  - Efficiency Program Administrators
- U.S. Department of Energy
  - Represented by PNNL

american  
lighting  
association



*Working Together,  
Advancing Efficiency*



# 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.



# What Have We Done to Date?

- 2003-2004
  - Fixture design competition
- 2005
  - Design and technology competition
  - Color research
  - Program assistance on fixture promotion
  - Evaluation



# Manufacturer Participation

- Lithonia
- Lightolier
- Kichler
- Progress
- American Fluorescent
- Justice Design Group
- Fire & Water
- Designers Fountain
- Good Earth Lighting



# Winners of First Competition

## Grand Prize Winner



American Fluorescent

## Second Place Winners



Lightolier



Soren Momsen



Forecast



# 2005 Winners

## Honorable Mention



Good Earth Lighting



Fire & Water



# 2005 Winners

## Second Place – Indoor Category



Justice Design Group



# 2005 Winners

## First Place – Outdoor Category



American Fluorescent



# 2005 Winners

## First Place – Indoor Category



Lithonia Lighting



# 2005 Winners

## Technical Innovation



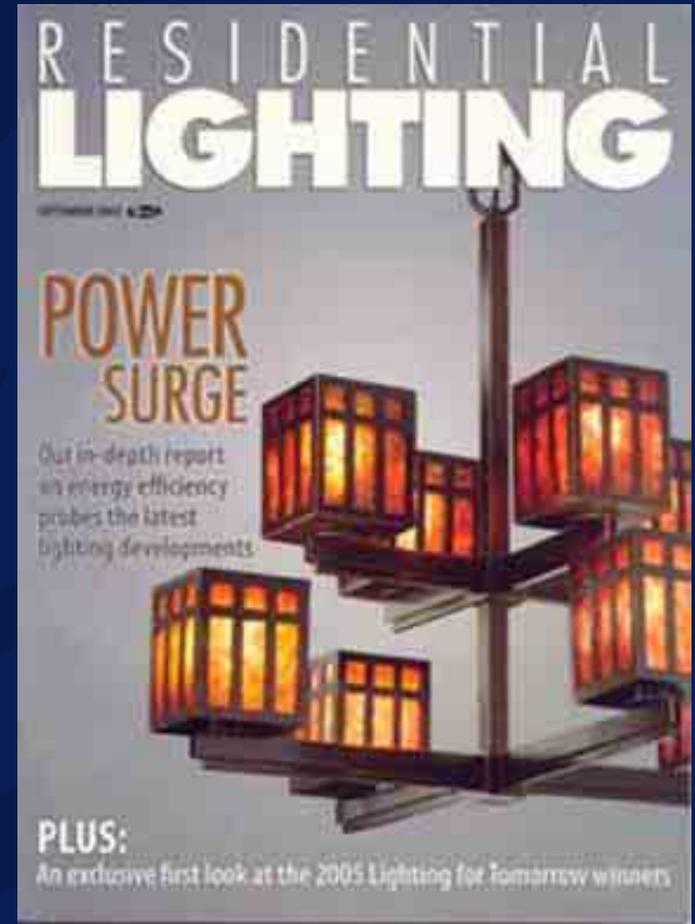
**American Fluorescent**

### Dimmable Energy-Efficient Lighting



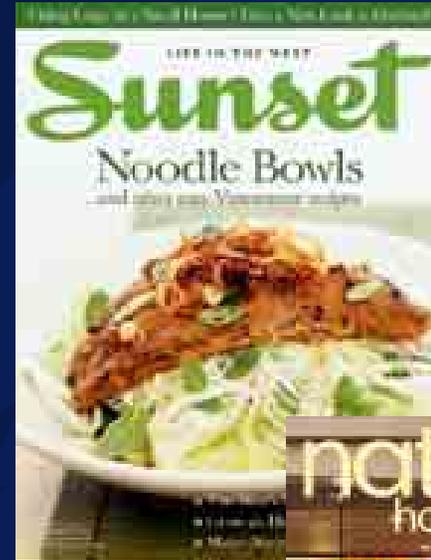
# Trade Press

- Residential Lighting
- Home Lighting & Accessories
- Home Furnishing News
- Online Stories:
  - Architectural Lighting
  - Lighting.com
  - Interior Design



# Consumer Press

- Sunset Magazine
- Natural Home & Garden
- Local newspapers
  - Daily Herald, Chicago
  - Orange County Register, LA



# What's Next? 2006 Program

- Yearbook of energy-efficient fixtures
  - Retailer outreach
  - Builder program development
- First Solid-State Lighting Competition



# Yearbook Competition

- Communicate:
  - Availability has increased
  - More products on the way
  - New fixtures meet various style needs and price points
- Highlight the best of the new ENERGY STAR fixtures/fans
  - Competitive selection process



# Competition Details

- Fixture families, both indoor and outdoor
- Current year products eligible
  - Introduced between 1/1/06 and 1/31/07
- Meet ENERGY STAR RLF v. 4.0
- Judging panel selects families to be included in the Yearbook
- Balloting among ALA showrooms selects "Best Design"



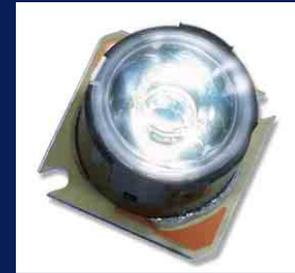
# Promoting the Yearbook

- Lighting for Tomorrow will print 10,000
- Disseminate to:
  - ENERGY STAR partner lighting retailers
  - Homebuilders
  - Energy efficiency program sponsors
- Encourage sponsors to use locally
  - CEE leading talks about program approaches to reach retailers and builders



# SSL Competition

- Objectives
  - Explore use of SSL in niche applications
  - Evaluate fixtures employing SSL
  - Facilitate learning by lighting fixture industry
- Advocate high-quality, energy-efficient use of SSL
- Publicize within lighting community rather than mass market



# Guidelines and Rules

- General illumination only
- Niche applications
  - Under-cabinet and in-cabinet
  - Desk and task lighting
  - Outdoor porch, step, pathway
- Minimum LED + driver efficacy
  - 30 lpw for <5000K
  - 35 lpw for 5000K and above
- Application efficiency



# Evaluation of Prototypes

- Fixtures installed in typical setting
- Light measurements
- Wattage metered
- Subjective evaluation by judges
  - Color appearance and quality
  - Overall design, appearance, functionality



# LFT Timeline

	<b>Yearbook Competition</b>	<b>SSL Competition</b>
Announcement	January 19-23 Dallas Market	February 1-3 DOE Workshop
Intent to Submit Forms Due	March 1	April 1
Entries Due	June 15	September 15
Announcement	September 9-11 ALA Conference	December Venue TBD



# For more information

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