

LIGHTING *for* tomorrow

The National Lighting Fixture Design Competition

Market Transformation Symposium
April 14, 2003
Washington, DC

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LIGHTING *for* tomorrow

Overview

- Sponsored by ALA, CEE and U.S. DOE
- Hard-wired (non-screw base) fixtures eligible
- Seven fixture categories:
 - chandelier, pendant, portable, sconce, surface-mount, task, track
- Must meet efficacy levels in E* Spec. v.3.1
 - Special category for multiple light sources



Co-Sponsors

Bonneville Power Administration	Pacific Gas & Electric
Cape Light Compact	Public Service Electric & Gas
Efficiency Vermont	SMUD
ENERGY STAR®	San Diego Gas & Electric
Long Island Power Authority	Southern California Edison
Massachusetts Electric	CL&P
Narragansett Electric	U.S. EPA
NEEP	United Illuminating
NW Alliance	Unitil: Fitchburg Gas & Electric
NSTAR Electric	WMECO
NYSERDA	



Competition Goals

- Manufacturers and designers offer more and better high-efficiency fixtures
- Lighting showrooms stock and sell more energy-efficient light fixtures
- Consumers ask for high-efficiency fixtures
- High-efficiency fixtures are considered attractive and desirable



Why a Design Competition?

- Product availability key hurdle to overcome
- Industry attention on efficiency needed
- All consumer needs not being met with existing fixture types
- Long lead time allows for:
 - Industry education on the opportunity
 - Relationship building with showrooms
 - Program planning for promotion of products



Timeline

Date	Event
March 15	Paper designs due
April 8-9	Judging session in Dallas
May 2	Finalists announced at ALA Conference in New Orleans
January 31, 2004	Prototypes Due
May 15-18, 2004	Winners Announced – 1 st , 2 nd , 3 rd



MT Considerations

- Lamps: Primary light source is CFL or discharge (not incandescent, halogen or LEDs)
- Provision for ballast is essential
- Recognition that color of light is different than traditional incandescent or halogen
- "Sparkle" is hard to get, but possible -- alternatives?
- Opportunity to "reinvent" residential lighting



What We've Found So Far

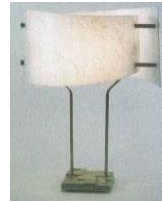
- Technology > New Designs
- International Activity
- Consumer Interest
- Light and Health Research
- Commercial Lighting Practice



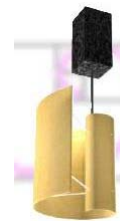
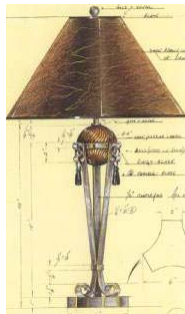
MOMSEN DESIGNS



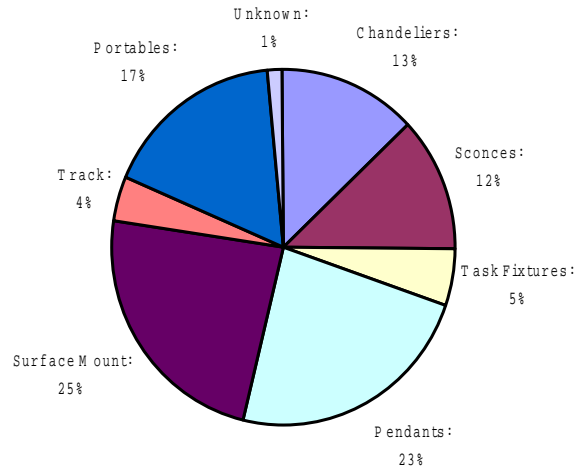
Some Entrants



Some Entrants



Entries: 156 (out of 271)



Expected Outcomes

- 2003 Phase I – Paper Designs
 - Up to 14 finalists
 - Some existing fixtures; can be promoted immediately
- 2004 Phase II – Prototypes
 - 3 prize winners
 - Many new entries to the market

Transformation in the residential lighting market lies in producing and promoting fixtures that are: efficient, functional, attractive to consumers (saleable!) and easily purchased through showrooms and other retail outlets.