

Residential Lighting Introduction to Concurrent Sessions

September 19, 2006
Industry Partners Meeting



Working Together, Advancing Efficiency

CEE's Residential Lighting Initiative

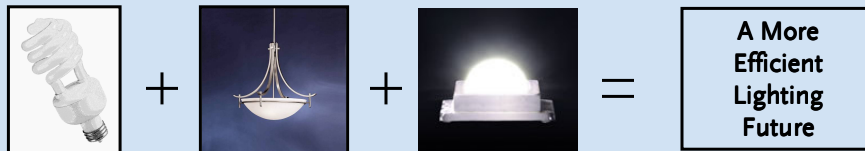
- Revised in 2006 to include...
- Continued emphasis on **CFLs**
- Increased emphasis on **Fixtures**
 - All fixtures, not only “functional” fixtures of past
 - Program Guide recommends approaches for programs to promote fixtures and fans
- Articulates a role monitoring emerging technologies (**LEDs**)



Working Together, Advancing Efficiency

Meeting Objectives

- Begin developing a long-term vision for efficient lighting
 - Understand objectives of programs/manufacturers
 - Understand technical side of CFLs, fixtures, LEDs
 - Discuss market challenges/opportunities
 - Form common assumptions



Working Together, Advancing Efficiency

Session 1: Overarching Issues/CFLs

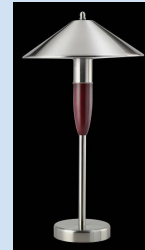
- Discuss ENERGY STAR program coordination
- Hear program objectives for CFLs
- Discuss potential technical enhancements and their trade-offs
- Discuss the new CFL minimum efficiency standard and possible implications
- Discuss the status of the revised ENERGY STAR specification



Working Together, Advancing Efficiency

Session 2: Fixtures

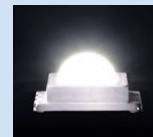
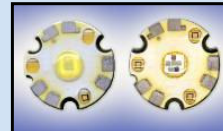
- Provide attendees with insight on efficiency program and industry stakeholder activities
- Discuss efficiency program approaches
- Discuss Lighting for Tomorrow design competition outcomes
- Discuss the likely impacts of technical changes (GU-24)



Working Together, Advancing Efficiency

Session 3: LEDs/Wrap Up

- Discuss assumptions on the technical development timeline
- Talk about the status of standards and test procedures
- Discuss efficiency program objectives
- Talk about the potential role of ENERGY STAR
- Reiterate points of agreement and articulate next steps



Working Together, Advancing Efficiency

CFL Discussion

- Efficiency program objectives
- Recommended program approaches
- Technical advancements / trade-offs
- Implications of the CFL standard
- Status of ENERGY STAR specification
- Opportunities and challenges
 - Wal-Mart?
 - Color communication?
- Common research needs



Working Together, Advancing Efficiency

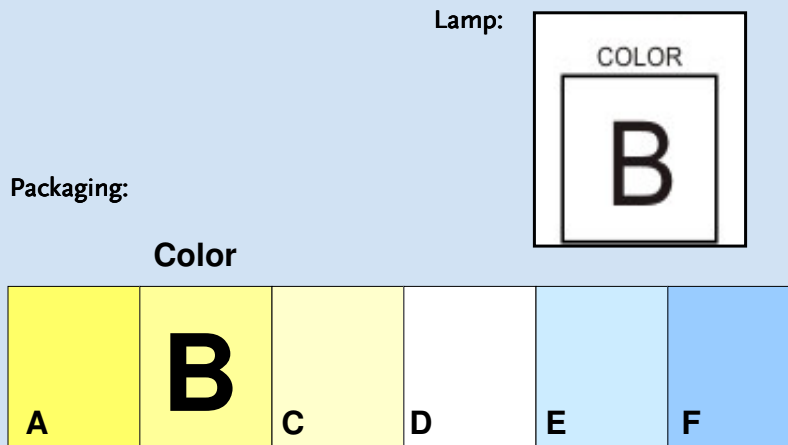
Color Communication Group

- Partnership with:
 - National Electrical Manufacturers Association
 - Lighting Research Center
 - U.S. Department of Energy
 - U.S. Environmental Protection Agency
- Color temperature is not understood by consumers, which is slowing adoption of CFLs
- Working to develop a better communication system to help consumers choose and select light sources



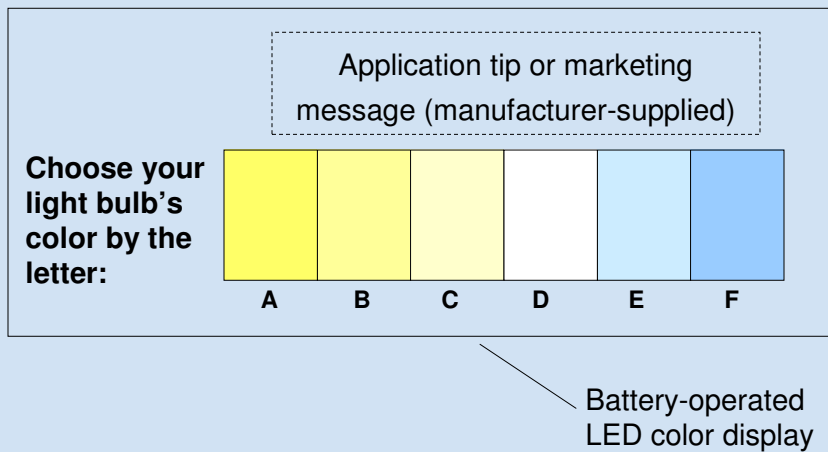
Working Together, Advancing Efficiency

Lamp and Packaging Recommendations



Working Together, Advancing Efficiency

POP Recommendation



Working Together, Advancing Efficiency