



National Lighting Partner Meeting

April 4-6, 2005

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**ENERGY STAR Fixtures:**

**What's on the Horizon**

# What's on the Horizon?



- Consumer and market demand for ENERGY STAR fixtures continues to grow.
- Manufacturers are responding to this growth with more fixtures and technological innovation



# Session Agenda



- Line Voltage Socket
- Self-ballasted Lamp
- Line Voltage Socket samples and lamp-ballast samples
- Dimmability
- Question and Answer



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## **ENERGY STAR: What's on the Horizon**

### **Self-ballasted Lamp**

# Integrated Lamp/Ballast



- Similar to a screw-base CFL but has a pin base
- Fits into a standard line voltage socket
- Allows consumer to purchase the lamp of choice
- Under consideration by ENERGY STAR



# Exceptions to Self-Ballasted Lamp Applications



- Recessed cans
  - Critical heat advantages to separating the lamp and ballast
- Linear and Circline Fixtures
  - Design includes a separate lamp-ballast



# Self-ballasted Lamp Advantages



Solves:

- Lamp base issues
- Lamp-ballast compatibility issues
- Ballast replaceability and availability issues
- Wattage choice for consumers

*And:*

- Prepares ENERGY STAR for future LED integration
- Lowers fixture and replacement bulb-ballast costs



# Self-ballasted Lamp Advantages



If EPA then labels self-ballasted pin based lamps:

- Consumers could find qualified replaceable lamps
- Lamp shipment requirement could be dropped
- No lamp or ballast in fixture = incandescent pricing
- Simplifies administration and testing for manufacturers
- Opens commercial markets to CCT and power factor options



# Self-ballasted Lamp Disadvantages



- Ballasts are disposed of after one lamp life, similar to screw-based CFLs
- Transition may be awkward
  - Success dependent on replacement stocking by retailers; and,
  - Support from manufacturers and energy efficiency community

# Next Steps



- Work to build collaboration with RLF manufacturers and lamp-ballast OEMs for the self-ballasted lamp
- Confirm retailers' interest in stocking and promoting the self-ballasted lamp
- Determine transition strategy
- Expected timeline: over the next 2 years

# For More Information



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