

University of California, Davis

CLTC

CALIFORNIA LIGHTING TECHNOLOGY CENTER

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PIER Lighting Technology Candidates for 2008 Title 24

CEC Residential Sector
Workshop Oct. 24, 2005

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RESEARCH • INNOVATION • PARTNERSHIP

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Hybrid LED Exterior Fixtures

Overview

- 5-Watt LED operates all night
- High light level triggered with occupancy
- Wall-mount for buildings
- Post-mount for walkways



Hybrid LED Exterior Fixtures

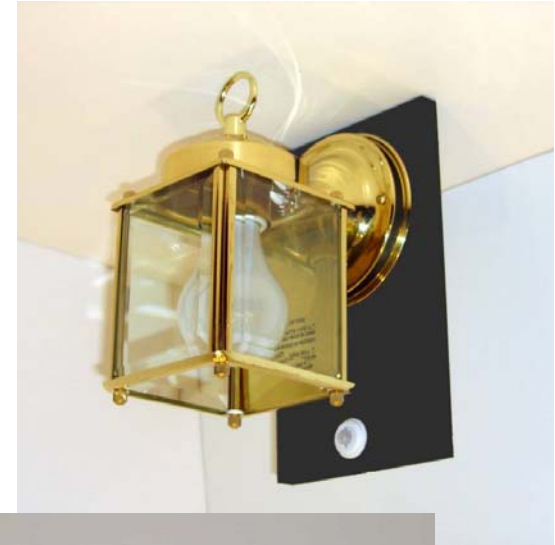
Overview

- Wall- & post-mount commercially available
... “High-cost” version (~\$200)
from one supplier now
... “Low-cost” version (~\$85)
from another supplier in early 2006
- Publicly available product specification

Hybrid LED Exterior Fixtures

Overview

- Universal “mounting plate” in development
... possible in 2006
- “Security” version in discussion
- Other manufacturers interested too



Hybrid LED Exterior Fixtures

Key Features

- Very low-wattage all night
... beats CFLs
- “Full” lighting when needed
... built-in security indicates occupancy
- LED life ~10-20+ years
... beats CFLs
- Integrated occupancy controls

Hybrid LED Exterior Fixtures

Key Benefits

Higher energy savings than operating CFLs all night

Code Opportunity

Stimulate use of high-low exterior lighting

Summary

- All products commercially available
... or will be within 6 months
- Most products have multiple manufacturers
or generic, non-proprietary specifications
... more manufacturers “coming soon”