

PowerRim™ Case History

Carlsbad Seapointe Resort

Carlsbad, CA

Area:	Clubhouse, kitchen and food preparation areas (newly constructed)
Ceiling height:	~ 20 feet. Previously used Halogen PAR lamp 120W for the recessed downlights
Problem:	Not bright enough and it was very difficult to frequently change burnt out bulbs
Solution:	PowerRim™ 42W (equivalent to 200W incandescent light output) were selected after on site testing and approval by the owners' association
Savings after conversion to PowerRim™ :	64% reduction in energy consumption with a much higher lighting level

PowerLux® Corporation

U.S. Manufacturer of Sustainable Energy Efficient Lighting Products

Induction Lighting Proven Success Since 1999

1260 Liberty Way, Suite E Vista, CA 92081 Phone: 760-727-2360 Fax: 760-434-4766

Website: www.powerlux.com E-mail: klpowerlux@gmail.com

PowerLux® *Products Have Stood the Test of Time!*

Medical School – University of California San Diego

San Diego, CA

- Area: Elevator lobbies and public area in medical teaching building
- Ceiling height: ~ 10 feet. Previously used 75W incandescent reflector lamps. Tried many different types and brands of disposable CFLs in the recessed downlights without success.
- Problem: Too little light and lamps did not last 10,000 hours as advertised. Frequent re-lamping due to early failures of the disposable CFLs. Areas were dark and dingy.
- Solution: **PowerRim™ 18W** (equivalent to **75W** incandescent light output) were installed and was commented as being “too bright”, so UCSD maintenance staff capped off every other lighting fixture and used only half the number of downlights.
- Savings after conversion to **PowerRim™**: **88%** reduction in energy consumption with improved, evenly diffused lighting.

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Coronado Springs Resort & Convention Center, Walt Disney World

Orlando, FL

- Area: 2,000 guest restroom in the hotel and convention complex.
- Ceiling height: ~ 8 feet. Restrooms were too dimly lit.
- Problem: Tried all other solutions and disposable CFLs. Even installed new fixtures but light output was weak and could not penetrate to the shower stall area of the restroom. Fixture could not accommodate higher wattage incandescent lamp due to overheating and tripping of the thermal safety switch inside recessed can. Electricity costs were not a main issue as Disney generates its own at 3 cents KWH.
- Solution: **PowerRim™ 26W** (equivalent to **100W** incandescent light output) was chosen after testing and comparing with all potential solutions. The restrooms are now much brighter and the light penetrated behind the shower curtain, providing more and better lighting for the guests.
- Savings after conversion to **PowerRim™**: **PowerRim™** was considered an UPGRADE for the restroom and resulted in a **74%** reduction in energy consumption from previous lighting.

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