



Hospitality - Upgrade

Hyatt Regency Grand Cypress

Orlando, FL

One of Orlando's largest resorts recently took steps to become a more energy-efficient hotel by installing LED lighting from Cree.

- Ninety percent energy savings over previous halogen bulb hallway lighting solution
- Anticipated annual savings of \$131,659 in first year
- Payback expected in approximately nine months





“ The LED lighting installations in the hotel hallways and lobby are not only significantly reducing our electric bill and saving on maintenance costs, but are providing better quality lighting for our guests. ”

Rick Jackson, *Chief Engineer,*
Hyatt Regency Grand Cypress

CREE® LED LIGHTING PROVIDES A WARM WELCOME TO ENERGY SAVINGS AND GUESTS

OPPORTUNITY

The Hyatt Regency Grand Cypress Resort in Orlando, Florida, recently completed a multi-million dollar renovation that included replacing traditional, antiquated lighting fixtures in its 54 hallways, as well as its freshly refurbished 10,000-square-foot lobby.

SOLUTION

“We are constantly looking for ways to cut down on utility costs, and our lobbies and hallways are lit 24 hours a day, seven days a week,” said Rick Jackson, Chief Engineer, Hyatt Regency Grand Cypress. “Working with Regency Lighting, we were able to compare the cost and energy savings of Cree LED products with the traditional lighting we had been using.”

Regency Lighting specified the Cree LRP-38™ LED lamps based on the superior color rendering (92 CRI) and tightly-focused beam (20 degrees) required to highlight the lobby’s palm trees and indoor garden. The resort replaced halogen lighting fixtures located between each hotel room with Cree LR6™ LED recessed downlights.

BENEFITS

The amount of energy and money the resort is saving with its new LED lights is remarkable. According to Regency Lighting, replacing the resort’s hallway lighting with Cree LR6s is projected to have a cumulative savings of approximately \$131,659 in the first year, with a return on investment of about nine months. These savings include projected energy, labor and cooling expenses, as well as the cost of the lamps. A cumulative savings of more than half a million dollars is predicted by the fourth year of installation.

Designed for a 50,000-hour lifetime, the Cree LR6 LED downlights can reduce maintenance costs while providing a clear, crisp quality of light. The LR6 LED fixtures consume just 10.5 watts of power, an impressive 90-percent energy savings over the two 50-watt halogen bulbs they replaced.

By exchanging the existing halogen lighting in the lobby with Cree LRP-38 LED lamps, the resort is saving more than 80 percent on energy consumption alone. “Accent lighting, like the Hyatt Regency Grand Cypress’ lobby lighting, is often sacrificed when you make the switch to more energy-conscious lighting,” explained Tommy Mydlo, Regency Lighting. “The Cree LRP-38 adds back in the beautiful accent lighting guests are accustomed to experiencing, while providing the hotel with an environmentally friendly, fiscally prudent alternative to traditional halogen bulbs.”



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