



Airport - Upgrade

Palm Beach International Airport

West Palm Beach, FL

The Palm Beach International Airport improves lighting performance, increases efficiency and cuts costs by upgrading the arrival and departure roadways with Cree® LED lighting.

- An estimated 429,000 kW saved per year
- Estimated annual energy savings of \$34,000
- Anticipated annual maintenance savings of \$27,000
- Estimated payback of five years





“ I’m very pleased with the project, and the anticipated energy and maintenance savings from the Cree lighting installation. ”

Tom Galassi, *Maintenance Supervisor, Palm Beach International Airport*

LIGHTING IMPROVEMENT SAVES ENERGY, CUTS COSTS

OPPORTUNITY

The Palm Beach International Airport (PBI) is operated by Palm Beach County through the Department of Airports. PBI is committed to enhancing the airport through sustainable products, especially in areas that reduce energy consumption, costs and maintenance expenses.

An energy audit was conducted by Florida-based Hillers Engineering to determine current usage and identify opportunities for efficiency. The airport’s arrival and departure roadway was identified for an efficiency upgrade. The roadway had 695 25-year-old 100W metal halide (HID) fixtures using approximately 66,000 kWh per month.

SOLUTION

A lighting design and study was conducted to evaluate Cree® LED luminaires using BetaLED® Technology along with traditional HID solutions based on illumination and economic performance. According to Tom Galassi, PBI maintenance supervisor, there was no comparison — the Cree luminaires were an easy upgrade choice.

BENEFITS

The recent installation of 695 79W Cree luminaires will provide PBI with an annual energy savings of 429,388 kWh equating to approximately \$34,000 and an annual lighting maintenance savings of more than \$27,000. The airport will see a payback of approximately five years.

Feedback about the visual effects of the lighting installation has been incredible. Travelers have commented to PBI that the lighting is bright and white, making it easier to see the roadway.

“I’m very pleased with the project and the anticipated energy and maintenance savings from the Cree lighting installation,” said Galassi.

Additionally, sheriff deputies who patrol the roadway and direct traffic have spoken highly of the illumination from the Cree luminaires because it makes visibility easier and the lighting is evenly distributed. PBI improvement plans include relighting the baggage handling areas, roadway signage, aircraft gate parking and the existing parking garages with LED luminaires.

Learn more at: www.cree.com/lighting | info@cree.com | 800.236.6800



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