

LED Retrofit Lamps for Resort

CASE STUDY



Project:
Retrofit 46 (250 watt) exterior parking lot pole lights with 30 watt LED replacement lamps in December of 2012

- Goals:
 - Maintain lumen output while reducing energy and maintenance costs



Results:

- Savings:
 - Yearly Savings = \$5,400
 - \$3,000 electric & \$2,400 maintenance costs
 - ROI = 1.87 years
- Increased lumen output levels while decreasing energy consumption:
 - Foot candle reading is a measure of brightness
 - 250 watt pole light = 15 foot candle reading
 - 30 watt LED lamp = 40 foot candle reading

- Enhanced safety and security for employees and customers because of the increased light levels
- The 30 watt LED comes with a 5 year/50,000 hour warranty saving the customer significant money on maintenance costs over the life of the lamps

*Note: The energy savings and the enhanced light levels, along with the 5 year/50,000 hour warranty on the 30 watt LED lamps made this project "Impressive!" according to the customer.