



Hotel Stanford

Customer: Hotel Stanford is a boutique hotel in New York City known for its fusion of old world charm and contemporary convenience. The Hotel Stanford strives to provide captivating hospitality rooted in the values of the Orient and was awarded Trip Advisor's Certificate of Excellence in May 2011.

Lighting Challenge

- Lobby chandelier featured inconsistencies between bulb wattages and three blown sockets, resulting in patchy lighting and dark spots
- Hallway recessed ceiling lights were using R20 bulbs whose narrow beam angles caused shadows

Post-Retrofit Results

- Reduced yearly lighting energy costs by \$46,604 and yearly bulb costs by \$5,246
- Created an even lighting aesthetic in hallways by using LEDs with wider beam angles
- Achieved uniform lighting in lobby chandelier by repairing sockets and using bulbs with consistent wattages, beam angles, and color temperatures

Client

Hotel Stanford

Location

43 West 32nd St NY, NY

Lamps Replaced

591

Total kW Saved Per Year

194,184

Total Annual \$ Savings

\$51,850

% Net Savings

67%

Project Timeline

4 weeks

Installation Date

August 9, 2011

Before



After



Main Lobby: Maintains a similar lighting aesthetic for chandelier while improving brightness around the front desk area

Fixtures: Chandelier, Wall Sconces, Recessed

Original Bulbs	Smart Lighting Retrofit
Candelabra (40W)	Candelabra (3.5W)
Incandescent BR30 (65W)	LED BR30 (13W)
Halogen MR16 (50W)	LED MR16 (6W)

Before



After



Hallways: Brighter lighting eliminates shadows and creates a more even brightness

Fixtures: Recessed & Wall Sconces

Original Bulbs	Smart Lighting Retrofit
Incandescent R20 (45W)	LED A19 (8W)
Candelabra (40W)	LED Candelabra (3.5W)

Before



After



Elevator Landing: Warmer LED light replaces colder CFL light and matches the warmth of the wall sconces

Fixtures: Wall Sconces & Ceiling Pendant

Original Bulbs	Smart Lighting Retrofit
Candelabra (40W)	LED Candelabra (3.5W)
CFL (23W)	LED A19 (8W)

"I cannot thank Smart Lighting enough for their assistance and professionalism. Their service from start to finish has been exemplary and far exceeds that of all other Lighting Consultants I have ever dealt with. Smart Lighting has helped us dramatically reduce our lighting operating costs by approximately 25% and they also equipped us with the knowledge of how to continue generating real cost savings going forward. I would recommend Smart Lighting to anyone."



Elizabeth Kwon-Liu
General Manager