



Client

Kimberly Hotel

Location

145 East 50th St NY, NY

Lamps Replaced

449

Total kW Saved Per Year

99,520

Total Annual \$ Savings

\$20,565

% Net Savings

64%

Project Timeline

4 weeks

Installation Date

December 12, 2011

Kimberly Hotel

Customer: Located in midtown Manhattan, the heart of New York City, the Kimberly Hotel radiates a refined elegance with traditional European flair. Its warm, inviting atmosphere, united with a sincere commitment to personalized service, sets a distinct standard among luxury boutique hotels.

Lighting Challenge

- Lobby features high ceilings in a highly-trafficked area, requiring a maintenance-free solution
- Lobby needed a flexible lighting solution that could be dimmed as necessary. Original dimmers were split across several circuits and were incompatible with LEDs
- Hallways required a lighting solution that provided adequate ambient light, while maintaining the aesthetic of traditional candelabra bulbs in crystal chandeliers

Post-Retrofit Results

- Reduced yearly lighting energy costs by \$20,283 and yearly bulb costs by \$3,455
- Updated existing dimming system, achieving uniform and adjustable lighting in lobby
- Corrected LED dimming compatibility issues by installing new dimmers and synthetic load interfaces. Consolidated dimmers for more convenient control of lighting levels
- Created a bright and warm aesthetic in the hallways

Main Lobby



High lumen output BR30 LED bulbs create an aesthetic of warm ambient light. The upgraded dimming system provides lighting flexibility to suit different occasions

Fixtures: Recessed

Original Bulbs
Incandescent BR30 (65W)

Smart Lighting Retrofit
LED BR30 (13W)

Room Hallways



LED candelabra bulbs installed on all 28 upper floors provide bright, warm light while drastically reducing energy consumption

Fixtures: Wall Sconces & Ceiling Pendant

Original Bulbs
Candelabra (25W)

Smart Lighting Retrofit
LED Candelabra (3.5W)

Conference Room Hallway



High-lumen output LED BR30s provide bright area lighting in this hallway that has low ceilings and no natural light

Fixtures: Recessed

Original Bulbs
Incandescent BR30 (65W)

Smart Lighting Retrofit
LED BR30 (13W)