



Client
Sparks Steak House

Location
210 East 46th St NY, NY

Lamps Replaced
332

Total kW Saved Per Year
120,833

Total Annual \$ Savings
\$29,015

% Net Savings
62%

Project Timeline
4 weeks

Installation Date
November 17, 2011

Sparks Steak House

Customer: In 1966, brothers Pat and Mike Cetta established Sparks Steak House. The New York Post named Sparks as “the greatest steak house in Manhattan” in 2001 and its wine list has been awarded the Wine Spectator Magazine’s Grand Award for 23 years in a row.

Lighting Challenge

- The restaurant wanted to replicate its intimate low-level lighting in all dining areas. Its incandescent bulbs were dimmed by 50% (to 2,700K) during the daytime and by 10% (to 2,200K) in the evening
- Sparks’ original lighting featured diffused, omnidirectional lighting versus the directional lighting characteristic of LEDs
- LEDs were incompatible with Sparks’ existing Lutron Skylark Dimmers

Post-Retrofit Results

- Reduced yearly lighting energy costs by \$24,167 and yearly bulb costs by \$4,848
- Completed LED retrofits in 6,000 square feet of space, which included the Main Dining Area, the Hudson Room, and the bar
- Smart Lighting’s patent-pending lighting filter technology allowed for high-end color correction, light diffusion, and illumination reduction, resulting in a complete aesthetic replication of the warm, highly-dimmed ambiance of Spark’s original lighting plan
- Existing Lutron Skylark Dimmers were replaced with Lutron Diva Dimmers and Lutron Maestro Dimmers, which allowed for an expanded range of 100% - 5% dimmability.

Hudson Dining Area



Area Size: 3,000 sq ft

Installed Dimmers: Lutron Diva
Lutron Maestro

Dining Area:

LED Lighting was adjusted with the implementation of Smart Lighting's patent-pending filter system, which achieved a warm, diffused, intimate level of lighting which typically is only achieved with incandescent lighting.



Fixtures: Recessed Cans and Track

Original Bulbs Incandescent R30 (65W)	Smart Lighting Retrofit LED BR30 (13W)
--	---

Bar Area



Bar Area: Custom color of LED lighting accents rustic features, while providing a warm ambient light.



Fixtures: Recessed Cans

Original Bulbs Incandescent R30 (65W) Incandescent R20 (50W)	Smart Lighting Retrofit LED BR30 (13W) LED R20 (8W)
--	---