

CASE STUDY

Town Spa's Energy Consumption Reduced!



FXL

COMPANY: Town Spa Restaurant

LOCATION: Stoughton, MA

PRODUCT: FXL LED Floodlight



THE LED SOLUTION

What prompted the lighting change?

I approached the owner while I was eating at the establishment that I could perform a site audit to replace existing 400MH fixtures and help him apply for the rebate with the utility. I also provided him with a "point to point" foot-candle to show the percent lumen improvement.

Did this system replace an existing system?

Yes, the existing system was 400MH 20 year old fixtures, the maintenance was too costly because of the 28' poles which required them to rent a lift for lamp and ballast repair.

Why was LED lighting system specified for this project?

Typically when I provide audits I will always push for the LED technology, mainly because of KW savings, increased foot-candle levels and maintenance.

What other types of fixtures or systems were considered for this project?

The Hubbell Outdoor FXL series was the only one I submitted on, I have sold this fixture before so I knew this was the perfect application for this product. Most of my projects are design build so I can provide the correct item that meets "fit-form & function."

How does the illumination of the LED system compare to other lighting sources?

Not even close in my opinion, the LED light source is much more superior than the traditional systems.

Did the LED fixtures provide the desired performance?

Absolutely, when your customer is very pleased it means a job well done.

Would you recommend the LED lighting systems to other facility owners/managers?

Yes, I presently have numerous projects in the submittal stage to property managers.

ANNUAL ENERGY USAGES & COSTS

CURRENT USAGE (kWh)	PROJECTED USAGE (kWh)	REDUCTION (%)	CURRENT COST (\$)	PROJECTED COST (\$)	SAVINGS (\$)	COST SAVINGS (%)
22,518	11,544	49	\$3,152	\$1,616	\$1,536	49%

ANNUAL ENERGY USAGE REDUCTION

CURRENT USAGE (kWh)	PROJECTED USAGE (kWh)	REDUCTION (kWh)	REDUCTION (%)
22,518	11,544	10,974	49%



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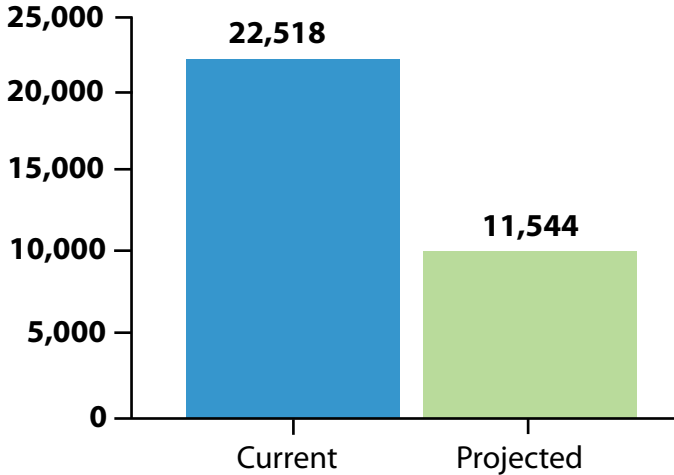
HUBBELL
Lighting

CASE STUDY

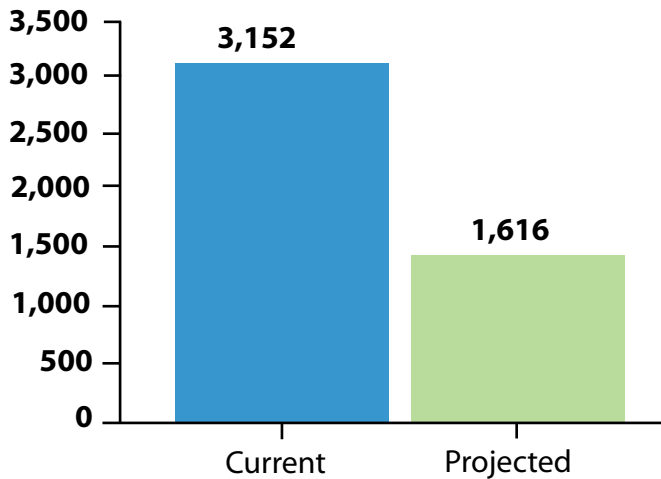
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RESULTS - ENERGY SAVINGS

Annual kWh



Annual Energy Cost



PRODUCT INFORMATION



FXL Architectural 56 LED Floodlight

DELIVERED LUMENS: 16,358

WATTS: 199

LUMENS PER WATT (EFFICACY): 82

CRI: 67

CCT: 5000K

The FXL Architectural 56 LED is an extra large LED floodlight with wide beam NEMA 6 x 6 distribution for lighting applications such as safety/security, facade, area, or signs; operating temperature of -35 C to 40 C

FXL LED Floodlight features:

- Extra large LED flood with wide beam NEMA 6 x 6 distribution
- Meets DesignLights Consortium (DLC) qualifications
- Vented housing design isolates LED module from driver for long life and improved performance
- Rugged die-cast aluminum housing with dark bronze finish
- Tempered glass lens protects LEDs and allows for easy cleaning/debris removal
- IP65, listed to UL1598 for use in wet locations
- 0-10V dimming driver
- Driver RoHS compliant and IP66
- Traditional adjustable yoke mounting
- 3' SEOWW cord

Additional LED Products from Hubbell Outdoor Lighting brands



Wall Mount



Floodlighting



Area/Site



Ceiling/Canopy/Garage



Security



Bollards

To learn more about how Hubbell Outdoor Lighting brands' innovative LED solutions can lower your energy bills while delivering high-quality illumination, please visit: hubbelloutdoor.com and spauldinglighting.com