

MaxLite LED Fixtures Help Danbury Parking Authority Reduce Energy Usage



CASE STUDY



“With MaxLite, we were able to achieve comfortable lighting for our customers with modern, energy-efficient fixtures - all at a cost savings. We couldn’t be happier with the results.”

**- Deborah Pacific
Director, Danbury Parking Authority**

The Parking Authority of Danbury, Connecticut wanted to improve sustainability and operational efficiency in two city-managed parking garages by converting fluorescent lighting to LED. The project required a product that would maintain the current levels of light, consume less energy and qualify for utility rebate incentives. Energy solution specialists Efficient Lighting & Maintenance recommended MaxLite LED Low-Profile Canopy Lights as the ideal retrofit solution because of the product’s exceptional efficacy, DesignLights Consortium (DLC) qualification and integral motion/daylight sensor.

The lighting in each of the parking facilities consisted of 4’ vapor tight fixtures that housed two fluorescent 32-watt T8 lamps. In the retrofit of the Charles A. Bardo Parking Garage, 165 30-watt MaxLite Low-Profile Canopy Fixtures were installed and programmed with a combination of occupancy sensing (99 fixtures) and daylight harvesting (66) controls. The energy annual savings in the Bardo Garage are expected to be 79,541 kWh, with payback reached in 3.4 years.

In the Terence E. McNally Patriot Garage, 246 LED canopy lights were installed, with 139 using the motion sensor technology and 107 programmed for daylighting harvesting. With this energy-saving combination, the annual savings in the Patriot Garage will be 131,195 kWh, with payback in 2.4 years.

With outputs ranging from 2,500 to 5,000 lumens, MaxLite Low-Profile LED Canopy Lights are an economical retrofit solution for traditional HID and fluorescent fixtures. Quick to install and program, the series is available with a 0-10V microwave-based motion sensor and integral photocell that can be operated with a remote control. MaxLite Low-Profile Canopy Lights are rated for a lumen maintenance lifetime of 100,000 hours, providing years of maintenance-free illumination in high-traffic locations.

By retrofitting the Bardo and Patriot garages with LED lighting, the Danbury Parking Authority expects to save more than \$15,000 annually in energy and maintenance costs.

MaxLite

MaxLite has been committed to providing energy-efficient lighting products since 1993. One of the first movers into LED technology in the industry, MaxLite offers an extensive line of quality, certified indoor and outdoor LED lamps and luminaires. A five-time recipient of the ENERGY STAR Partner of the Year Award for its industry leadership, MaxLite continues to be at the forefront of energy-efficient technologies through the innovative research and development capabilities of its New Jersey headquarters and California office.

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