



LED Lighting | Forged in America™

CASE STUDY: INDUSTRIAL Distribution

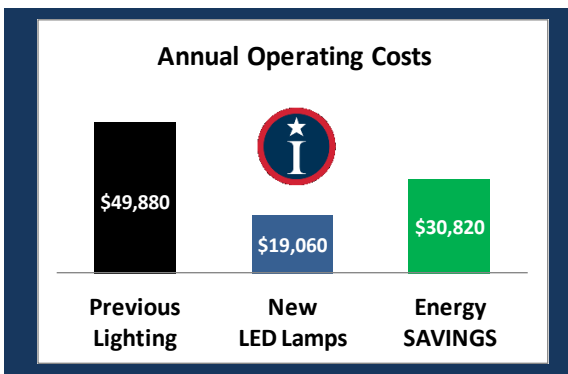


Project: Davis & Warshow Distribution Center
Highlights: Winner Urban Green Council "Best Lighting Retrofit"
Address: 57-22 49th Street Maspeth/Queens, NY 11378
Owner: Davis & Warshow (www.daviswarshow.com)
LED Installation: Summer 2012



Opportunity The green-minded owners of Davis & Warshow installed a 238.74 kilowatt solar array on the roof of their 209,000 sq. ft. distribution center. The system was capable of producing an annual energy output of 268,574 kWh. But the facility had inefficient 8' T12 fluorescent tubes that used 412,236 kWh per year, resulting in an annual lighting cost of \$49,880.

Solution Independence LED provided an LED tube solution that created an annual energy savings of 62%. The LED lights reduced the annual kWh to 157,524, enabling Davis & Warshow to become the first facility in America with a "Net Zero Cost of Lighting" through the combination of energy production with the Solar, and energy reduction with the LED Tubes. With over 2 miles of LED Tubes it stands as an example of excellence in energy efficiency at a large scale. The energy efficiency project won the 2013 "Best Lighting Retrofit" by the Urban Green Council.



Results By reducing the fixture wattage from 130 to 70, the annual energy savings is 254,710 kWh, producing an electricity savings of \$30,820 per year. Over the life of the LEDs the energy savings will be approximately \$246,560. In addition to producing a Net Zero Cost of Lighting, the project also earned a \$63,704 rebate from the energy provider ConEdison.