Michigan School Saves Energy with MPulse Fixtures by MaxLite

MaxLite®
A NEW WAVE OF LIGHT

CASE STUDY

"We are very impressed with the new lighting. Not only is it much brighter, but the consistency of the light levels in the parking lots have helped to improve the safety of our students and staff."

- James Burza, Supervisor, Facilities and Maintenance, Gobles School District

The Gobles Public School District in Michigan required LED replacements for the metal halide and mercury utility lights on the high school/middle school campus. In a retrofit project aimed at lowering operational costs and improving safety, the district worked with Medler Electric Company and MaxLite independent representative agency Premier Spectrum Sales Group to install MaxLite LED MPulse Area Lights, MPulse Wall Mounts, WallMax Open Face Wall Packs and Barn Lights at the school. The MaxLite products were chosen for the project because of their performance, eligibility for utility rebates and 10-year warranty.

Maintaining the existing HID lighting system was both labor-intensive and costly for the district. Since a boom lift had to be rented each time a light had to be replaced, maintenance staff typically had to wait until several lights were out to make repairs cost-effective, resulting in inconsistent light levels in the parking lot and entranceways. By upgrading to the long life and energy-saving benefits of LED, the district was able to reduce its outdoor lighting energy consumption by 50 percent and gain years of maintenance-free illumination.

MPulse Area Lights, which have a lumen maintenance period of 100,00 hours, were installed throughout the school parking lots. In the main parking area, 22 of the 200-watt models with Type III distribution replaced the existing 400-watt metal halide fixtures, while 10 of the 100-watt versions replaced 250-watt metal halides in the auxiliary lot. All models were combined with motion sensors for additional energy savings.

On the exterior of the building, 50-watt WallMax Open Face Wall Packs replaced 17 existing 175- to 250-watt metal halide fixtures, while a pair of 400-watt metal halide incumbents were replaced with the 80-watt WallMax models. A 100-watt MPulse Wall Mount luminaire was added to the playground area as security lighting, while MaxLite's 45-watt Barn Light replaced two 175-watt mercury utility lights on the grounds.

By converting to an LED lighting system, the school district will save approximately 52,270 kWh and $5,000 in energy and maintenance costs annually. In addition, the district was able to take advantage of utility rebates from Indiana Michigan Power to offset the upfront costs, resulting in a payback period of less than three years.

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 teams and facilities in New Jersey, California and Indiana.

MaxLite®: 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com

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