



Case Study: Fluorescent/HID to LED



Marston Technical Services - Blue Ash, OH

This application was a one for one replacement of Fluorescent/HID lighting fixtures to LED fixtures. This resulted in a total Input wattage reduction of 49%, while increasing light levels. Better task lighting was met due to improved color temperature. We were also able to capitalize on the Duke Energy Smart \$aver® Prescriptive Incentive for this project as well which resulted in additional savings to the customer.

Testimonial:

"The effect on both the office and shop was immediate - better visibility across the board made it much easier to work effectively in both environments. Regarding the exterior, our lights now cover all five entrance points along the front of the building, as well as the entire parking lot - which increases security and safety for all employees.

Better visibility, more safety and increased productivity, better morale - a great investment. I'm happy to have partnered with the LSI team on our project, and would recommend them to anyone in need of new or replacement fixtures."

Jeff Ward, President
Marston Technical Services

Lighting Fixtures Used:

Existing

- (70) 2x4 4 lamp (112w) T8 troffer = 7,840w
- (2) 2x2 2 lamp (62w) T8 troffer = 124w
- (1) 8ft 2 lamp (150w) T12 Strip = 150w
- (8) 400MH (460w) High Bay = 3,680w
- (18) 8ft 2 lamp (150w) T12 Strip = 2,700w
- (2) 400MH (460w) wall pack = 920w
- (3) (175w) INC entry door = 525w
- (4) 8ft 2 lamp (660w) T12 Strip = 600w

Total input watts = 16,539

Replacement

- (70) GA24 (57w) HO = 3,990w
- (2) GA22 (35w) HO = 70w
- (1) WNA10 (33w) SS = 33w
- (8) XLHB 4 S (200w) HO = 1,600w
- (15) PMX (111w) VHO = 1,665w
- (2) XLCM (278w) HO = 556w
- (3) XPWS 3 48 (72w) 450 = 216w
- (6) EG3 4 S (60w) HO = 360w

Total input watts = 8,460

