

Solution Delivered



Current Fixtures	New LED Kits	Improvement/ Hourly Savings
44ps, 400W High-bays 18,920 watts total	Varied: G2-3 to G2-10 4,964 watts total	Improved light uniformity 13,956 watts saved, 74% savings
3ps 400W Wallpaks 1290 watts total	G2-5 & G2-2 171 watts total	Proper light; improved safety/security 1119 watts saved, 86% savings
14ps 8ft. FL tubes, T12 1624 watts total	4ps LED tubes 144 watts total	Whiter light 1480 watts saved

"I really like the new LED lighting system, and I'm looking forward to saving a ton of electricity in the coming years.

"It's a great investment for the company and going to the new technology makes perfect sense to cut costs and improve our margins.

"My employees have commented that the work conditions and environment is brighter and the lights are more uniform than before."

-- Mr. Bob Kopfmann,
President and Owner.



Problem:

As workers moved away from the direct cone of light under each fixture, there was noticeably less foot candles between fixtures. This made it more difficult to read drawings and was resulting in errors.

Solution:

Our team advised the electrical contractor, Envision Services, to use zone lighting to improve the overall foot candles. In non-crucial areas that could get by with less light coverage such as storage, aisle ways, and around the shipping dock, less light engines were installed into the high-bay fixtures. The critical work areas were given more light engines to provide more foot candles on the ground.

Results:

Total fixture count was reduced from 44 high-bay metal halide fixtures down to 32 fixtures, retrofit with our LED kits. Light uniformity was greatly improved, since the new kits threw a wider beam pattern and covered more work area when compared to the prior MH fixtures.

The LED kits now produce 25-35 foot candles on the ground where there is a painted ceiling, and 15-20 foot candles where the ceiling is not painted.

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Contact Us

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