



Light Levels up 76%, Energy Use Cut With New GL System

Wallace Computer Service, Manchester, VT - Wallace Computer Service is a printer of business forms. The material handling and warehouse portions of their 85,000 sq. ft. facility were illuminated with 400-watt metal halide lighting.

"There were shadows in the 12-foot aisles from the 20-foot shelves. This created ongoing problems reading labels and material selection under the HID lamps," explained Darrell Marley, Senior Project Manager - Energy Vermont. "An alternative metal halide light source was rejected because it didn't save enough energy."

"As part of our work in conjunction with the Vermont Public Service Board to bring together 22 utility energy conservation programs and save energy, we helped the Wallace plant manager evaluate the latest in lighting technology."

Following a review by Wallace Corporate Engineering in Chicago, the Manchester plant replaced all 220 400-watt metal halide lamps in both areas, one-for-one, with Williams GL Low Profile luminaires, each with four T5 54-watt T5HO fluorescent lamps. Mounted 29 feet above the floor on varied spacing, the lamps provide 23 footcandles (maintained) on the floor, an increase of 76%.

"Everyone at the plant is happy and the identification problems with stored goods have been eliminated by more light on the lower shelves. Indications are that the lighting system is being considered for five other Wallace plants."

Job Specific Information:

- 220 400-watt metal halide fixtures replaced one-for-one with the Williams GL
- Mounting height: 29' above the floor
- 23 maintained footcandles on the floor
- Energy usage reduced 50%



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