



Williams GL System Saves Energy at New England Packaging Plant

Danvers Industrial Packaging, Danvers, MA- Danvers Industrial Packaging manufactures and fabricates polyurethane and polyethylene foam products. The lighting system in the 85,000 sq. ft. plant was a combination of 63 400-watt metal halide and 62 400-watt high pressure sodium fixtures.

“While adequate, the mixed light source lighting system didn’t provide the quality work environment we really wanted,” explained Operations Manager Herc Silveira. “Matt Dowd, a Boston area representative from Energy Management Consultants (EMC) surveyed the plant and suggested an alternative that could meet our needs.”

“Matt and I presented the proposal for a new lighting system to the plant owner. When he reviewed the numbers— a projected \$16,000 annual savings in energy costs and a 16 to 22% increase in light levels in the plant, he said it made sense and approved the project.”

The new lighting system incorporates 125 Williams GL Low Profile luminaires, each with four 54-watt T5 HO fluorescent lamps. Replacing the old system on a one-for-one basis, the fixtures are mounted 24 feet above the floor on 25 foot centers. They provide 22 to 26 footcandles (maintained), depending on location. Operating 50 hours per week, the system is controlled by four banks of switches located around the plant.

“We’ve had a number of positive comments about our new lighting and improved work environment,” Silveira said proudly.

Job Specific Information:

- 125 400-watt HID fixtures replaced one-for-one with the GL
- Mounting height = 24’ above floor
- Spacing = 25’ on center
- Footcandle levels = 22 to 26 average maintained
- Light levels up 16 to 22%