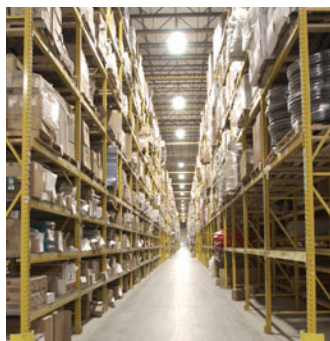


Case Study:

Ace Hardware Retail Support Center – Gansevoort, NY

New Williams GL System Cuts Energy Use 25% at Distribution Center



Job Specific Information:

- Fixture and Quantity: 1,261 existing 250-watt and 400-watt metal halide fixtures replaced one-for-one with GL 4', 4 lamp 54-watt T5HO fixtures.
- Mounting Height: 30' above floor.
- Spacing: 22' to 25' on center.
- Footcandle Level: Greater than 25 average maintained.
- For complete GL specifications, see hewilliams.com.

A lighting system at the Ace Hardware Retail Support Center combined 1,261 250-watt and 400-watt HID lamps and generated the highest energy expenses in the country among comparable Ace facilities.

"We operate round-the-clock, 362 days a year," explained Facilities Manager Paul Dwyer. "So, we are always looking for ways to save energy and reduce expenses. When we learned of a joint utility and State of New York program that would fund 50% of new energy conservation efforts, we began work with Service Resources, Inc. (SRI) to explore our options."

SRI conducted a comparison energy audit of the facility with about 15 other Ace sites, followed by an on-site energy audit. "We identified a number of energy saving options and new, high-bay lighting was at the top of the list," noted Tom Soby, National Energy Account Manager. "Following a fixture vs. fixture evaluation, the Williams GL system was recommended for the Ace Facility."

The new GL lighting replaced the old lighting on a one-for-one basis and provides over 25 horizontal footcandles (maintained), while reducing energy costs a projected \$91,000 per year.