

Project Profile

BUNZL DISTRIBUTION USA INC. Groveport, OH

Bunzl Distribution USA, Inc., provides outsourced food packaging, disposable supplies, cleaning, and safety products. The Company offers its products to food processors, supermarkets, non-food retailers, convenience stores, and other users. Based in St. Louis, Missouri, Bunzl Distribution is the largest division of Bunzl plc, an international distribution and outsourcing group headquartered in London. Bunzl Distribution owns and operates more than 100 warehouses that serve all 50 states and Puerto Rico, as well as Canada, the Caribbean, and parts of Mexico.



Before



After

Facility Type:

Warehouse and office workspace

Square Footage:

500,000 SF

Technologies:

LED tubular lamps and related drivers in combination with area occupancy sensors

of Fixtures:

More than 1,000

Savings:

\$69,000 annually

Situation

Bunzl identified their Groveport, Ohio location as having fixtures with older style fluorescent tubes that were both expensive to operate and not producing light output per original specifications. Areas across the facility, which is mostly comprised of warehouse space, were dimly lit and the utility bills were higher than other Bunzl warehouses of similar size.

Solution

The energy efficient lighting upgrade project entailed leaving the existing light fixtures in place but updating them with new LED lamps and drivers as part of a retrofit system. Occupancy sensors were also deployed to further enhance the energy savings by using the LED technology only as needed. The new lamps and drivers provide a brighter and safer workspace.

Both the design and implementation phases of the project were conducted by Eco Engineering.

Results

- **Annual Demand Reduction**
Approximately 139 kW reduction projected during the first year.
- **Annual Consumption Savings and Environmental Benefits**
Estimated at 796,344 kWh annually - the equivalent of removing 1.7 million pounds of carbon dioxide emissions from the atmosphere.
- **Reduced Billings**
The implementation is expected to deliver approximately \$5,375 per month in energy savings and another \$375 per month in reduced maintenance expenses. The total annual energy savings will exceed \$69,000 per year.