

Case Study:

Grundfos Pump Manufacturing – Fresno, California

Pump Manufacturer Replaces HID with Williams GL System



Job Specific Information:

- 284 existing 400-watt metal halide fixtures were replaced with just 211 GL fixtures.
- Energy consumption per fixture reduced by 50% (465 input watts versus 234 input watts).
- Return on investment in 10 months.
- The new lighting equipment qualified for an energy conservation rebate from the local utility.
- For complete GL specifications, see hewilliams.com.

When looking for ways to offset an almost 50% rise in energy rates during California's energy crisis, Grundfos Pump Manufacturing Co. asked their Energy Conservation Team to find a solution.

Grundfos, employing 270 people from its Fresno, California headquarters, is a leader in the heating/ventilation/air conditioning marketplace as well as the commercial and industrial water and ground water submersible pump businesses.

Team members Roland Gee and Craig Snyder surveyed the plant, ultimately focusing on alternatives to the 284 metal halide fixtures used for high-bay lighting in the manufacturing and warehouse areas.

"We eliminated high-pressure sodium because of potential color problems and a test installation of dimmable metal halide lamps also wasn't satisfactory. A two-fixture test of the Williams GL luminaire, each with four T5HO fluorescent lamps, was exactly what we were looking for."

"The GL system, with just 211 fixtures, cut energy use per fixture 50%, raised light levels as much as 300%, offered quick restrike capability eliminating wasted time after a power outage, and has stopped accidents with low-hanging fixtures."

Decreased energy use and a utility conservation rebate resulted in a 10-month return-on-investment (ROI), a win-win situation for Grundfos Pump and the team.