



California Hi-Tech Company Installs Williams GL as HID Alternative, Secures 4 1/2 Month ROI

Precision Components Group, Fremont, CA - Precision Components Group is a first-tier supplier of machine services to major electronics companies in the United States.

"The 78,000 sq. ft. shop in Fremont is the showplace for the company," explained Derrick Soo, Manager, Facilities and Machine Services. "Although originally illuminated with T12 F40 fluorescent lamps, we had ongoing problems with short lamp life because we operate three shifts, six and seven days-a-week. We had to group relamp annually to try to provide quality lighting for the precision work we do here."

Looking for better lighting and longer lamp life, Precision relighted one-half of the shop with sixty 400-watt metal halide lamps as a test. At the end of the first month, energy costs rose almost 300%. The company quickly looked at other options.

"We evaluated the latest in lighting technology," Soo said, "and ultimately decided to relight the whole shop for best results. We chose the Williams GL Low-Profile luminaire, with eight 54-watt T5HO fluorescent lamps, for the project."

The new lighting system incorporated 160 GL luminaires mounted 12 to 16 feet above the floor on varied spacing. The new system provides up to 60 maintained footcandles on the work surfaces. The Williams system reduced energy use per fixture 50%, while providing quality lighting for the manufacturing and inspection processes.

"At the end of one month with the new GL system, our energy bill dropped from \$38,000 to \$18,000," Soo noted proudly. "The savings, together with our utility conservation rebate, gave us a return-on-investment of just 4 1/2 months."

Job Specific Information:

- 160 8 lamp GL luminaires replaced 400-watt metal halide and T12 F40 industrial fixtures
- 60 maintained footcandles on the work surface
- Mounting height: 12' to 16' above the floor
- Return on investment 4 1/2 months



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