

## Case Study:

## Leupold & Stevens, Inc. – Beaverton, Oregon

### Optical Products Manufacturer Saves Energy, Earns Rebates with GL Lighting



#### Job Specific Information:

- Fixture and Quantity: 400-watt metal-halide system replaced one-for-one with 187 Williams GL Low Profile luminaires each with four 54-watt T5HO fluorescent lamps
- Mounting Height: 16' - 18' above the floor
- Spacing: 20' on center
- Footcandle Levels: Increased from 20 to 50 average maintained
- Annual Energy Savings: \$20,503
- For complete GL specifications, see [hewilliams.com](http://hewilliams.com).



A leading manufacturer of shooting sports optical products wanted to create an energy efficient, shadow-free work environment in their 117,000 square foot plant outside Portland.

"The company philosophy is work smarter while producing 'quality' products and services, plus do it while reducing operating costs," said Rainer Poersch, Facilities Manager. "Based on that philosophy, we developed criteria for a new lighting system to replace the 400-watt metal-halide system in our two machine bays."

"We wanted to reduce energy use, eliminate shadows in the inspection areas, and find a system that allowed us to illuminate areas only when occupied; the HID system was either on or off—nothing between."

Poersch installed and tested a variety of six-lamp fluorescent fixtures. None met his criteria. When he visited another area manufacturer with his utility representative, he saw a Williams GL Low Profile, four 54-watt T5HO installation and "was amazed and knew this is what we needed."

Leupold & Stevens expects to reduce annual energy costs \$20,503, based on 4.6 cents per KWh, earn a \$15,826 utility rebate, plus qualify for a five year, 35% Oregon Energy Tax Credit.