



## Williams GL Increases Light Levels and Productivity for Municipal Utility

**Sacramento Municipal Utility District, Sacramento, CA** - The old 400-watt metal halide lighting in the 59th Street Garage at the Sacramento Municipal Utility District (SMUD) didn't provide a quality, shadow-free work environment for the mechanics.

"We received regular complaints from the mechanics about lighting-related problems they encountered," explained Rafael Fuentes, senior electrical engineer – General Services Department, SMUD. "The paint booth operator even had to move outdoors to get proper color matches. Light levels ranged from 9 1/2 to 25 footcandles (maintained) in the 19,045 sq. ft. garage."

Fuentes evaluated a number of fixtures and based on the results of a six-fixture test installation, installed 81 Williams GL Low Profile luminaires, each with 8', 8 lamp 54-watt T5HO fluorescent lamps. Mounted 13 feet above the floor on random spacing, the lamps provide 100 footcandles (maintained) when operated at full power.

"The new lighting allows us to customize the system, depending on tasks," Fuentes noted. "Using switches, we can operate one, two, or all three lamps. This significantly reduced energy use in the garage. Furthermore, the paint booth operator now matches colors inside again. Now we are looking at other projects using the same lighting in other buildings on the site based on the positive results of the installation."

### Job Specific Information:

- 55 existing 400-watt metal halide luminaires were replaced with 81 Williams GL , 8', 8 lamp 54-watt T5HO luminaires
- Mounting height: 13' above floor
- Spacing: 20' on center
- Footcandle levels increased from 9 1/2 - 25 to 100 average maintained



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