



Williams GL Lighting at University Reduces Energy Costs, Improves Sports Atmosphere

Pittsburg State University, Pittsburg, KS - When Pittsburg State University launched a \$4.5 million energy conservation project in early 2003, local distributor Covert Electric Supply saw an opportunity in the university's Weede Physical Education complex, which was illuminated with 400-watt metal halide fixtures.

"I know a lot of the coaches and people over at PSU, and I knew they felt the old lighting didn't provide good color rendition or enough brightness on the floor," said Larry Polston, a sales representative for Covert. "So when I brought over sample Williams six-lamp T5 GLs for a test, we found we could increase the light to a peak of 70 footcandles from a mounting height of 55 feet, which really brought out the colors on the wall banners and on the floor."

Initially, 22 GL luminaires — each with four T5HO fluorescent lamps — were purchased and installed over the building's mezzanine in place of 44 400-watt metal halide units. The GL not only improved the overall lighting, but cut energy consumption by 75 percent. Officials at Custom Energy, an Overland Park, Kansas-based firm that coordinated PSU's power conservation efforts, were impressed enough to authorize the purchase of 99 additional GL 6-lamp T5HO units to relight the rest of the physical education complex.

Better lighting and energy savings, however, weren't the only benefits that impressed coaches and staff. PSU Women's Basketball Coach Steve High said he was pleased with the GL system's flexibility. "I really like how it allows us to segment lighting in different parts of the arena, which we couldn't do before, and how it lets us do a fast shutdown and relight," said High. "It gives us a better quality atmosphere, which improves the overall experience for players and fans."

Job Specific Information:

- 143 400-watt metal halide lamps replaced with 99 GL 6-lamp T5 and 22 GL 4-lamp T5 fixtures
- Mounting height: 55' above the floor
- Spacing: 25' on center
- Total complex energy consumption cut by 40%
- Footcandle levels on the basketball court increased from 45 to 70 average maintained



A Visible Difference