

### Williams LP5 System Meets Federal Building Remodel Criteria



#### Job Specific Information:

- Fixture and Quantity: 307 LP5 4'x 4" fixtures with 28-watt T5 lamps
- Mounting Height: 9'-6"
- Spacing: 6'x10'
- Footcandle Level: 30 fc. (average maintained)
- For complete LP5 specifications, visit [www.hewilliams.com](http://www.hewilliams.com)

As part of the first phase of the remodeling of the four-decade-old Richard E. Bolling Federal Office Building in downtown Kansas City, a new lighting system for three floors of the 1.2 million square foot building was included in the project.

"The lighting system was virtually the same as when the building opened in 1964, except they now used 32-watt T8 fluorescent lamps as the light source", explained Brian Hall, electrical engineer for W. L. Cassell & Associates. "We wanted to design a new system that incorporated leading edge technology while meeting the requirements of the GSA's *Facilities Standards for Public Building Services* for both open and enclosed office space. We also wanted our design to qualify for a Leadership in Energy Environmental Design (LEED) Green Building Award."

Hall ultimately selected 28-watt T5 fluorescent lamps because they offered long lamp life, high lumen output, and provided 30 footcandles (average maintained), as much as a 33% increase over the old system. In addition, the Williams LP5 4" x 4' fixture was chosen because it offered the light distribution needed and the small footprint was ideal for the contemporary ceiling design.

"We wanted our lighting design to be the prototype for all the other phases of the renovation project," Hall said. "Based on the positive reaction we've received, we met all our objectives."

The LP5 Low Profile T5 Troffer provides RP-1 glare control with a wide variety of lumen packages. LP5 is available in 4"x2', 4"x4', 2'x2', and 2'x4' sizes for versatility of application.