

# FACILITY OUTDOOR LIGHTING

## BACKGROUND

When it comes to reducing energy costs, one of the most commonly overlooked areas for improvement is outdoor lighting of a building. High quality, energy-efficient outdoor lighting can have a major impact on energy cost savings.

## CHALLENGE

The energy efficiency of exterior lighting of a national building services and work apparel management company facility is especially important because the facility operates 24/7. Maintenance on the existing 400 watt metal halide lighting wall packs had become a nuisance for the maintenance staff and, consequently, an ongoing security and safety issue.

## SOLUTION

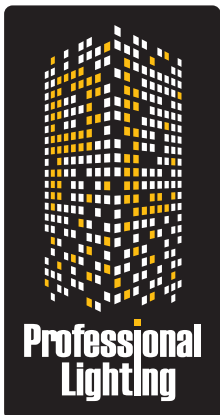
Professional Lighting replaced the metal halide fixtures with 104 watt, 100,000 hour-rated LED (Light Emitting Diode) wall packs which proved to be the perfect solution. There was ease of installation at the same locations as the metal halide fixtures. Reduced maintenance costs were enhanced by the height of the original wall packs. The initial concerns about a full cutoff were erased after installation. The resulting light had superior coverage, wider and longer distribution and also eliminated glare.

The US Department of Energy estimates that using the LED outdoor site lighting specification will reduce energy use over 50% compared to other outdoor light sources.



## BENEFIT SUMMARY

- Annual energy savings  
\$1500 per year electrical savings,  
estimate of \$150 per fixture
- Annual maintenance savings  
25-40 man hours per year
- LED products qualified for local  
utility rebates to reduce the overall  
expense of the installation



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