



After



Before

SustainableLEDDesign™

LED Parking Garage Lighting Phase II

Media Company
Atlanta, Georgia

Summary

- Media company, Atlanta, GA
- Parking garage lighting phase II
- One-to-one retrofit of metal halide (MH) to LED

Benefits

- Average \$116,000 in annual savings
- Annual energy savings of over 1,230,000 kWh
- Reduced load by 140 kW
- Reduction equivalent to 882 metric tons of CO₂ emissions annually
- Maintenance-free for over six years

Project Description

Pleased with the outcome of an LED lighting upgrade of metal halide fixtures at one of its parking garages—resulting in approximately \$62,000 annual savings—a large media company located in Atlanta, Georgia partnered again with Cooper Lighting to retrofit two additional secured parking garages with LED lighting. The goals in upgrading these parking decks to LED luminaires was to not only achieve significant energy savings and reduce maintenance costs, but also to improve light levels.

The customer chose to replace its 845 existing 175W metal halide fixtures with Cooper's McGraw-Edison Valet™ LED two LightBAR™ luminaires. The retrofit reduced the electrical load from approximately 220W per fixture to 54W per fixture for a total load reduction of 140 kW or 1,230,000 kWh annually, realizing a \$116,000 operational savings with a 3.5 year payback (not including tax incentives).

Before



After



Before



After



About Cooper Lighting

The Cooper name has stood for innovation, service and expertise for more than 175 years. Today, Cooper Lighting's comprehensive capabilities in LED design, thermal modeling, accelerated life and reliability testing, photometric measurement, rapid prototyping and manufacturing are unmatched amongst North American lighting manufacturers. Cooper Lighting's 60,000 square-foot LED Innovation Center, located in Peachtree City, Georgia, demonstrates its long-term commitment to this transcending light source.

Partial funding for this project was made possible through the American Recovery and Reinvestment Act (ARRA) of 2009, and was provided through a Georgia Environmental Finance Authority (GEFA) grant.



McGraw-Edison Valet™ LED Luminaire

Cooper Lighting and SustainabLEDesign are valuable trademarks of Cooper Industries in the United States and other countries. Use of Cooper Trademarks without the prior written consent of Cooper Industries is not permitted.

Cooper Lighting, LLC
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com