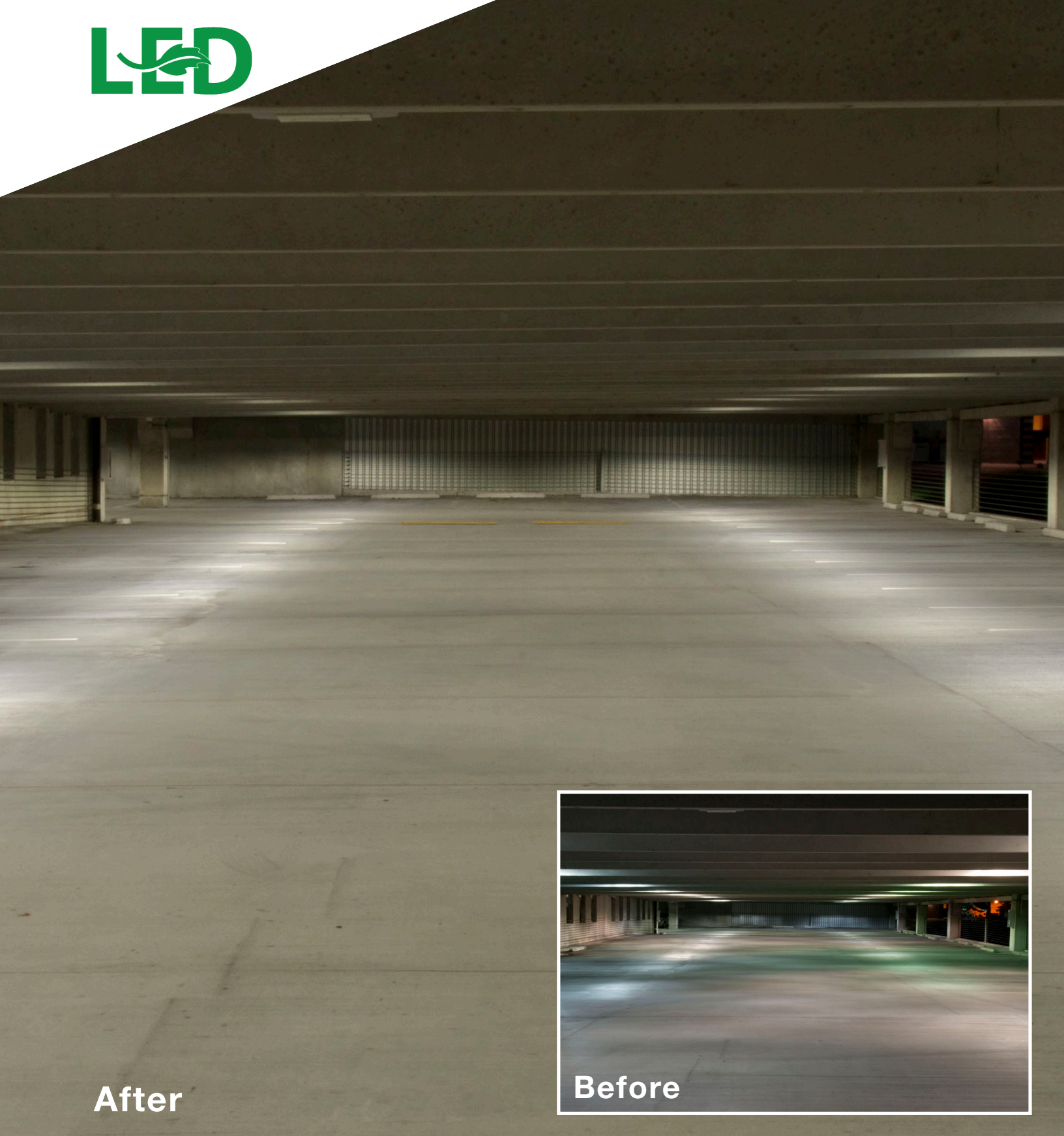




SustainableLEDDesign™

LED Parking Garage Lighting

Media Company
Atlanta, Georgia

 **COOPER** Lighting

Summary

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

Benefits

- Average \$62,000 in annual savings
- Annual energy savings of over 615,000 kWh
- Reduced load by 70 kW
- Reduction equivalent to 442 metric tons of CO₂ emissions annually
- Maintenance-free for over six years

Project Description

A large media company located in Atlanta, Georgia partnered with Cooper Lighting to retrofit one of its secured parking garages with LED lighting. The main goal in retrofitting this garage with LED was to achieve significant energy savings and reduce maintenance costs while maintaining similar light levels.

After evaluating and testing several LED parking garage fixtures, the customer chose to replace its 421 existing 175W metal halide fixtures with Cooper Lighting's McGraw-Edison Valet™ LED two LightBAR™ luminaires. The retrofit reduced the electrical load from approximately 220W per fixture to 53W per fixture, for a total load reduction of 70 kW or 615,000 kWh annually, resulting in \$62,000 in operational savings with a 2.5 year payback (not including tax incentives). The satisfied customer subsequently completed LED retrofits of two additional parking garages with the Valet luminaire.



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

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