Action Plan
Based on Georgia Power’s lighting analysis of the property, a proposal was made to replace the 54 existing 1,000-watt metal halide (MH) Galleria fixtures with 54 new 412-watt LED fixtures and install an additional pole with two LED fixtures to address the original lighting issue. The proposed LED fixtures would provide energy savings along with improved site lighting while retaining the white light currently in use.

The property management company accepted the LED lighting proposal and signed a contract for the new LED lighting in February 2013. Removal of the old MH lighting and installation of the new LED lighting was completed in April 2013. Mimms plans to promote the fact that the mall has gone “green” with the switch to LED outdoor lighting.
The new lighting installed utilized 56 Cooper Lighting 412-watt Galleon LED lights in the 8 LED Light Square configuration. All fixtures have a Correlated Color Temperature (CCT) of 4000K and a Color Rendering Index (CRI) of 70. All existing poles and pole locations were used and one additional pole was installed.

**Results/Benefits**

- **Old Metal Halide System:**
  54 - 1,000-watt (1,080 system watt) MH Galleria fixtures = 58,320 watts

- **New LED system:**
  56 - 412-watt LED area fixtures = 23,072 watts

- 60.4% reduction in energy usage related to outdoor lighting
- Enhanced the safety and security of shoppers, employees and property
- LED lighting is directional – all light is directed toward the area to be illuminated
- Minimized/eliminated light trespass
- Greatly improved lighting uniformity (eliminated dark spots and hot spots)
- Long fixture life and reduced maintenance requirements
- Environmentally friendly (no hazardous materials to recycle, reduced energy usage lowers greenhouse gas emissions)
- Instant on/no warm-up time