



## Enhancing Safety with Energy-Efficient Lighting

LMI helps fire stations protect those who serve the community.

### Business Problem

First responders frequently put their lives on the line, leaving thoughts of all else behind. Yet, a rash of vehicle break-ins in Atlanta-area fire stations parking lots was putting the property of firemen and other fire workers—and potentially their safety—at risk.

Station Captains wondered, “What is the fastest, most cost-effective way to increase safety and deter the thefts?”

**Idea:** Repair damaged lot lighting and replace the bulbs to ensure the parking lot was properly lit.

**Challenge:** The lights burned traditional high-intensity discharge (HID) lamps, which required ongoing maintenance, were not energy efficient and burned out more quickly than newer technologies.



### LMI Solution

Change the parking lot lights at all 27 county fire stations from (HID) lighting to light emitting diode (LED) lamps. Although light source efficiency of HID is higher than LED, mitigating factors, such as losses from trapped light, protective covers and lenses, inefficient ballasts and unfavorable operating temperatures, reduce the light efficiency at the target. As a result, LED lamps provide better light quality than HID bulbs.

**ROI:** In addition to better light quality, LED lamps are far more cost effective and efficient than HID. They have no ballasts to burn out, require no maintenance, take half the time to install, last five times as long as HID lamps and consume a fraction of the power of HID. The energy and maintenance/replacement savings on LED versus HID is nearly 80%—enough to pay for the fixtures and installation within a few years—and then provide substantial savings indefinitely.

## LMI is all things wired...

LMI Systems is a full-service integration and installation specialist for national deployments. LMI stands for Leadership, Motivation and Intelligence. And it is much more than an acronym—it's the hallmark of every project we deliver. LMI has more than 55 years of experience in electrical and low voltage contracting—expertise in multi-location logistics rarely found in the industry today. There's no need for multiple contractors which means no “finger-pointing” and less stress. From server refreshes to LED signage, if it has a wire—we can do it. **Contact us at 770.491.0343 or [Imisystemsinc.com](http://Imisystemsinc.com)**

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