

PARKING LOT LIGHTING



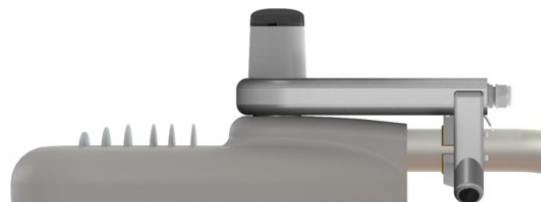
**METRO
ENGINEERING
SOLUTIONS, LLC**

Is your parking lot lighting system at end of life? Do you know if you are meeting the recommended light levels for safety and security? Are you looking to add new technology such as EV chargers, security cameras, or wireless network controls?

Our Outdoor Lighting Service

Metro Engineering Solutions is uniquely qualified to offer business and municipal customers a full range of engineering and construction service to upgrade and optimize your parking lot. We can:

- Complete engineering studies to:
 - Inspect and test the complete lighting system
 - Measure the existing lighting design performance
 - Create new optimize lighting design to standards
 - Identify pole vibration potential, fatigue & corrosion
- Replace or refurbish end-of-life and old equipment:
 - Replace old lighting with new vibrant LED fixtures
 - Replace old poles, foundations, circuit conductors
 - Sand, prime and paint poles
 - Upgrade electric service panels and controls
- Design, engineer, and install new parking infrastructure
 - EV Level 1, Level 2, and DC Fast Chargers (DCFC)
 - Pole and luminaire mounted security cameras
 - Solar powered lighting systems
 - Wired and wireless network controls
- Create accurate customer project economic impacts
 - Assist with processing your utility efficiency rebate
 - Help lower your energy and maintenance cost
 - Use controls for adaptive lighting to further reduce lighting energy cost during curfew hours



Why We Light Our Parking Lots

We light our parking lots at night to provide enhanced nighttime visibility to improve safety by reducing:

- Slips trips and falls
- Vehicle to vehicle accidents
- Vehicle to pedestrian accidents

A proper parking lot lighting design can create a safe, exciting, and inviting atmosphere for buildings and the surrounding area for employees and customers.

A properly lit parking lot delivering good vertical illumination for facial recognition will improve both safety and security by deterring criminal activity through creating a fear of detection thereby reducing:

- Violent crimes
- Vehicle theft
- Vehicle break-ins
- Hit-and-runs
- Property damage

There is More to a Parking Lot Lighting System Than the Luminaire

Every component of an outdoor lighting system has a known and measurable design life. A good planned maintenance program should include routine equipment inspections to replace end of life equipment prior to catastrophic equipment failures. Fail-in-use pole failures can place the public, employees, tenants, and customers at risk. Older first-generation LED luminaires are now ready for new more efficient LED replacements.

You Are Responsible

Premise liability laws hold property owners responsible for providing proper lighting for their property at night.

Failure to follow recommended lighting standards can be considered as owner negligence.

To avoid the risk of having dim or dark parking, service roads, or sidewalks, building owners should complete nighttime site surveys using illuminance light meters.



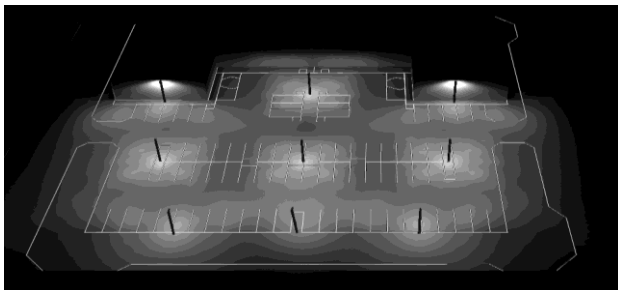
“Due to the fact that any reasonable person could foresee someone slipping and falling due to not being able to see, if a customer has an accident in a parking area due to low or bad lighting, the business owner has a 40/60 chance of being sued and potentially paying out millions in compensation.”

-Retail & Restaurant- Facility Business, Sept. 30, 2019

Metro Engineering Solutions

MES has been servicing industries in the Midwest since 2006 with combined expert outdoor lighting and electrical engineering capabilities with full-service construction services. They:

- Are the principal contractor used by Michigan electric, gas and telecom utilities.
- Able to offer competitive construction labor and material procurement pricing.
- Have an exemplary safety record.
- Provide a one-stop-shop which includes design, engineering, planning, permitting & construction.
- Have a combined engineering, construction, and project management history of over 50,000 underground fed streetlights.



Do you know when you should paint?



And when should you replace?

