

Crossover®

GENERATION 3

# LED Roadway Lighting from LSI

Retrofit Now  
& Start Saving  
Energy Today

Complies with  
IES RP8  
Guidelines

## A Complete System – Crossover Roadway Fixture, Mast Arm & Tenon Pole or Just the Fixture

- **Lighting Performance, Exceptional Uniformity** – no dark spots between fixtures; improved backlight cutoff to control light trespass. Unique, easy-on-the-eyes low-glare design
- **Life Expectancy** – Up to 100,000 hours expected life depending upon the ambient temperature of the installation location
- **Energy Savings** – 50-70% energy reduction when compared to traditional HID
- **Installation Labor Savings** – Loaded with features like tool-less fasteners, terminal block, leveling adjustment and access door lanyard to make installation a snap
- **Mast Arm Ready Fixture** – Accepts a range of mast arms from 1-1/4" (1.66" O.D.) to 2" (2.375" O.D.) for mounting on roadway or utility poles
- **Meets Luminaire Vibration 3G Requirements** – Fixtures comply with ANSIC136.31-2001 American National Standard for Roadway Lighting Equipment
- **LSI Mast Arm** – Aluminum tapered elliptical mast arm for mounting to 2" (2.375" O.D.) pipe tenon
- **Poles** – Quality straight round and straight square poles finished in LSI's DuraGrip® or DuraGrip® Plus powder coat finish.
- **Continuous Color Match** – Order the system from LSI to guarantee a continuous color match on the fixture, mast arm and pole
- **Maintenance-free**
- **U.S. and International Patents Pending**
- **IP67**



**5-year fixture warranty &  
5 or 7-year pole warranty**



## Seeing is Believing



Utilize Crossover XAS3/XAM3 fixtures to bolt directly to the pole.



Use LSI Mast Arm & Tenon pole for new construction



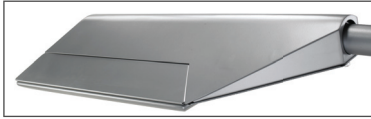
Retrofit existing utility poles

# Ordering Your **Crossover** Roadway Lighting from LSI is as Easy as 1, 2, 3!

Roadway lighting offers unprecedented value – great lighting performance, quality construction, aesthetic appeal and tremendous flexibility for new construction and retrofit opportunities.

## 1 LED Roadway Fixture (XRS3/XRM3)

Lightweight, low profile design gives a clean look when installed.



Housings feature a tapered rear design, allowing fixtures to be mounted to a range of mast arms from 1 1/4" (1.66" O.D.) to 2" (2.375" O.D.) using an internal clamping bracket. Tenon reducers are available for larger existing mast arms.

## 2 LSI Mast Arm

- 4', 6' and 8' aluminum tapered elliptical arm lengths
- Heat treated to T6 temper
- Single and D180° mounting configurations
- Mounts to poles with 2" pipe (2-3/8" O.D.) tenon
- Arms with 32" rise



## 3 Tenon Poles

- Quality polyester-powder coated poles with LSI's DuraGrip® finish with 5-year limited warranty on finish. DuraGrip® Plus finish option available with 7-year limited warranty
- 2" (2-3/8" O.D. X 4-3/4" tall) high-strength pipe tenon
- 4" 10 gauge straight round and 4" 11 and 07 gauge straight square poles
- 5" 11 and 07 gauge straight round and straight square poles

Ordering Your Crossover LED Roadway System from LSI Guarantees a Continuous Color Match on the Fixture, Mast Arm and Pole.

**SmartTec™**  
The LSI  
Difference

Designed and built around LSI's own **SmartTec** technology platform, the **Crossover** XRS3/XRM3 fixtures contain intelligent components designed, engineered and manufactured by LSI specifically to work in unison to deliver the most efficient and reliable lighting solution possible.

**SmartTec** ensures optimum fixture performance, energy efficiency, delivered lumens per watt, longevity and an impressive ROI. Innovative driver design ensures the highest attainable levels of energy efficiency



- **Revolutionary Thermal Management System** – LSI's unique patented heat-sink design is integrated into the external surfaces of the luminaire, in place of fins found frequently in traditional fixtures, to effectively dissipate heat and ensure a cool-running fixture. Suitable for high ambient temperatures (50°C).



- **Exceptional Optical Design** – Tremendous lighting performance specifically designed for roadway lighting applications. Available with 2 LED color temperatures (cool white and neutral white) and 4 distributions (2, 3, FT, 5).

- **Low Profile Housing Design** – Lightweight, low profile design gives a clean look when installed.



- **Innovative Driver Design** – Unique high-power driver, 90+% efficient, ensures the highest attainable levels of energy efficiency. Protected by surge protectors that meet Location Category C-Medium (10,000 V, 5,000 A) Rated for IP65 Ingress Protection. Available in multiple drive currents (350 mA, 450 mA and 550 mA).



A Company with a *Smart Vision*

**LSI – Leading Today > Lighting Tomorrow**

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