



# LED Railroad Signal Module X-Indication

IL Series

**GREEN** Technology

## The Leotek LED Advantage

A conventional incandescent look with energy efficient, long life LED technology that provides significant energy and maintenance savings, with exceptional color uniformity and readability.



## Features and Benefits

- Meets AREMA standards for Safety Assurance
- Reliable High Flux / High Power LEDs
- Excellent moisture and dust resistance
- Robust hard-coated and UV-stabilized polycarbonate lens for increased longevity against the elements
- Maintains 70% of the initial lumen intensity after 50,000 hours of operation
- 5-Year Limited Warranty

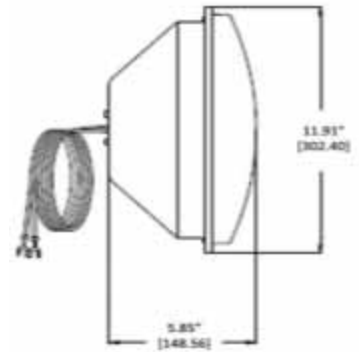
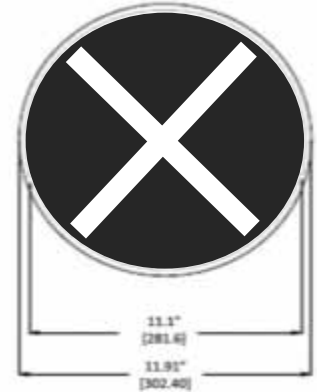
## Technical Data

|                               |                                |
|-------------------------------|--------------------------------|
| <b>Operating Temperature:</b> | -40°F to 165°F (-40°C to 74°C) |
| <b>Operating Voltage:</b>     | 80-135Vac, (50-60 Hz)          |
| <b>Power Factor:</b>          | >0.90                          |
| <b>Turn-On/Turn-Off Time:</b> | <75msec                        |
| <b>Turn-Off Voltage:</b>      | 35 V ac,                       |



## Specifications

|  |  |
|--|--|
| <b>Moisture:</b>                           | MIL-STD-810F                             |
| <b>Photometry:</b>                         | AREMA Part 3.2.35                        |
| <b>Environmental Parameters:</b>           | AREMA Part 11.5.1 – Class B              |
| <b>Electronic Noise:</b>                   | FCC Title 47 Sub. B Sec 15 Class A       |
| <b>Appearance:</b>                         | Uniform, non-pixelated incandescent look |
| <b>Lens:</b>                               | Tinted the color of LED display          |
| <b>Operating Temperature:</b>              | -40°F to 165°F (-40°C to 74°C)           |
| <b>Operating Voltage:</b>                  | 80 -135Vac, 60 Hz                        |
| <b>Transient Protection Specification:</b> | NEMA TS-2                                |
| <b>“X” Cross-Arm Dimensions:</b>           | 1 inch wide x 10 inches long             |

## Mechanical Dimensions [in(mm)]



## Ordering Information

| Model                | Color   | LED Type | Dominant Wavelength | Wattage Drawn | Input Current |
|----------------------|---|----------|---------------------|---------------|---------------|
| TSL-12R-LX-IL3-XB-A1 |  | AllnGaP  | 626                 | 11            | 80 mA         |
| TSL-12G-LX-IL3-XB-A1 |  | InGaN    | 500                 | 12            | 110mA         |

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