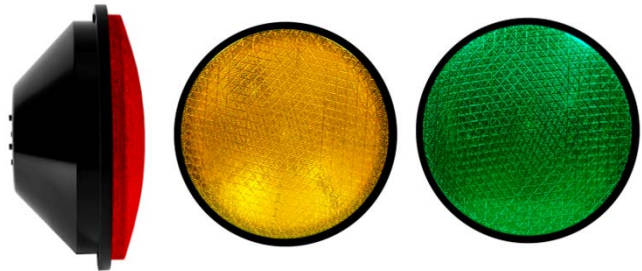




LED Traffic Signal Module Incandescent Look IL1-CALTRANS Series

The Leotek Advantage

A conventional incandescent look with "Fail-State Impedance" design to ensure controller and monitor compatibility in the event of loss of light output.



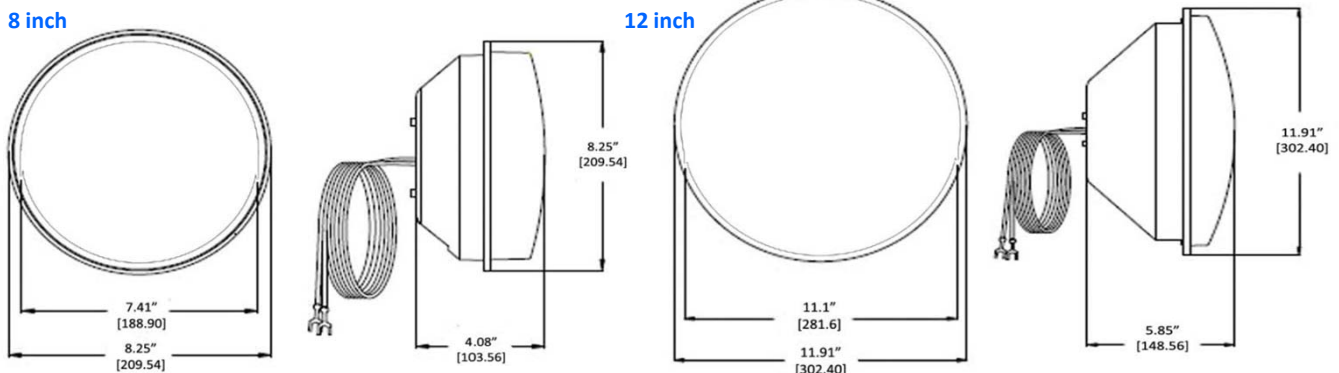
Features and Benefits

- Environmentally friendly
- Significant energy and maintenance savings
- Intertek ETL verified
- 8" and 12" modules
- Tinted or clear lens options
- Multiple connections available for specific applications
- Exceptional color uniformity and readability
- Excellent moisture and dust resistance through complete O-ring sealing
- Robust hard-coated and UV-stabilized polycarbonate lens for increased longevity against the elements
- Engineered aluminum heat sink for optimum thermal management
- Built-in Constant Current Source (CCS) provides uniform light output from the first to the last modules
- Maintains 70% of the initial lumen intensity after 100,000 hours of operation
- 5-Year Limited Warranty

Technical Data













Operating Temperature: : -40°F to 165°F (-40°C to 74°C)	Turn-On/Turn-Off Time: : <75msec
Operating Voltage: : 80 - 135Vac, 10.5-28Vdc	Turn-Off Voltage: : >35Vac
Power Factor: : >0.90	Total Harmonic Distortion (THD): : <20%

Mechanical Dimensions [in(mm)]



Model Specifications and Ordering Options

TSL-(SIZE)(COLOR)-LX-IL1-(VOLTAGE)

Model Number and Color	IL Type	Wattage Drawn	Voltage	Dominant Wavelength	Maintained Intensity (cd) Min.	Standard
8 inch						
TSL-08R-LX-IL1-A1 	1	6	80-135Vac	626	133	ITE 1998/Caltrans
TSL-08Y-LX-IL1-A1 	1	11	80-135Vac	589	267	ITE 1998/Caltrans
TSL-08G-LX-IL1-A1 	1	6.5	80-135Vac	500	267	ITE 1998/Caltrans
TSL-08R-LX-IL1-B1 	1	6	10.5-28Vdc	626	133	N/A
TSL-08Y-LX-IL1-B1 	1	11	10.5-28Vdc	589	267	N/A
TSL-08G-LX-IL1-B1 	1	6.5	10.5-28Vdc	500	267	N/A
12 inch						
TSL-12R-LX-IL1-A1 	1	8	80-135Vac	626	399	ITE 1998/Caltrans
TSL-12Y-LX-IL1-A1 	1	15	80-135Vac	589	678	ITE 1998/Caltrans
TSL-12G-LX-IL1-A1 	1	8	80-135Vac	500	678	ITE 1998/Caltrans
TSL-12R-LX-IL1-B1 	1	8	10.5-28Vdc	626	399	N/A
TSL-12Y-LX-IL1-B1 	1	15	10.5-28Vdc	589	678	N/A
TSL-12G-LX-IL1-B1 	1	8	10.5-28Vdc	500	678	N/A

Options: Tinted lens standard, clear lens optional. When ordering clear lens, please indicate “clear lens.”

Standard Conformance

- FCC Compliant for Electrical Noise
- MIL-STD-810F Moisture Resistant
- MIL-STD-883 Mechanical Vibration
- NEMA TS2 Transient Voltage Protection over 2000V

ITE VTCSH Compliance - LED Circular Signal Supplement – June 2005

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|------------------------|-------------|-----------------------|---------------|
| · Conditioning | ITE 6.4.2 | · Luminous Intensity | ITE 6.4.4.1-4 |
| · Mechanical Vibration | ITE 6.4.3.1 | · Chromaticity | ITE 6.4.4.6 |
| · Temperature Cycling | ITE 6.4.3.2 | · Current Consumption | ITE 6.4.6.1 |



V4-052411

Information provided subject to change without notice.