

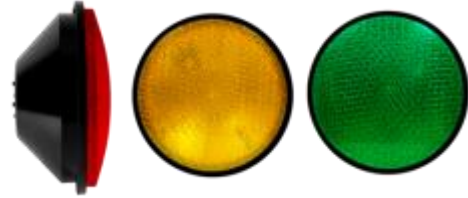


LED Traffic Signal Module Incandescent Look

IL3 Series

The Leotek Advantage

Utilizing advanced technology, the Leotek IL line of products ensures superior performance and reliability.



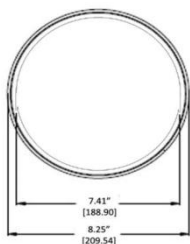
Features and Benefits

- Environmentally friendly
- Significant energy efficiency
- Wider viewing angle
- Enhanced uniformity
- Excellent moisture and dust resistance
- Utilizes constant current source to maintain consistent light output
- Engineered for superior thermal management
- Intertek ETL Verified
- Meets and/or exceeds all ITE standards ITE VTCSH LED Circular Signal Supplement dated June 27th 2005
- Maintains 70% of the initial lumen intensity after 100,000 hours of operation
- 5-Year Limited Warranty

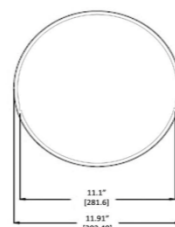
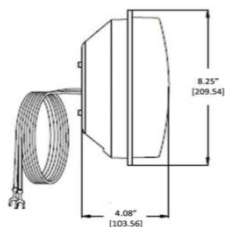
Technical Data

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%

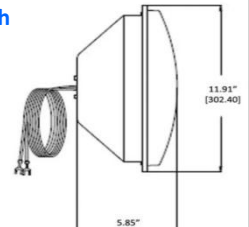
IL3 Mechanical Dimensions [in(mm)]



8 inch















12 inch



Model Specifications and Ordering Options

TSL-(SIZE)(COLOR)-LX-(IL TYPE)-(VOLTAGE)

Model Number and Color	Wattage Drawn	Voltage	Dominant Wavelength	Maintained Intensity (cd) Min.	Standard
8 inch					
TSL-08R-LX-IL3-A1 	8	80-135Vac	626	162	ITE 2005/ETL
TSL-08Y-LX-IL3-A1 	11	80-135Vac	589	402	ITE 2005/ETL
TSL-08G-LX-IL3-A1 	9	80-135Vac	500	211	ITE 2005/ETL
TSL-08R-LX-IL3-B1 	8	10.5-28Vdc	626	162	ITE 2005 ¹
TSL-08Y-LX-IL3-B1 	11	10.5-28Vdc	589	402	ITE 2005 ¹
TSL-08G-LX-IL3-B1 	9	10.5-28Vdc	500	211	ITE 2005 ¹
12 inch					
TSL-12R-LX-IL3-A1 	9	80-135Vac	626	358	ITE 2005/ETL
TSL-12Y-LX-IL3-A1-C (High Temp) 	17	80-135Vac	589	892	ITE 2005/ETL
TSL-12G-LX-IL3-A1 	11	80-135Vac	500	466	ITE 2005/ETL
TSL-12R-LX-IL3-B1 	9	10.5-28Vdc	626	358	ITE 2005 ¹
TSL-12Y-LX-IL3-B1 	17	10.5-28Vdc	589	892	ITE 2005 ¹
TSL-12G-LX-IL3-B1 	11	10.5-28Vdc	500	466	ITE 2005 ¹

Options: Tinted lens standard, clear lens optional. When ordering clear lens, please add “-CLR” to model number. Both tinted and clear lens are Intertek ETL Verified.

¹Complies with ITE2005 6.4.2, 6.4.3.3, 6.4.4.1-6.4.4.4, 6.4.4.5. No DC requirement from ITE.

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

- 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



V13-111711

Information provided subject to change without notice.