

The Leader in Electro-Optics Technology



LED GREEN Technology

a subsidiary company of LITEON

LED Traffic Signal Module Incandescent Look IL6 Series Ball

The Leotek Advantage



The IL6 series utilizes advanced Hi-Flux LEDs for increased light distribution efficiency; which reduces the quantity of individual LEDs required and lowers power consumption for additional savings. Developed with a patented innovative optical technology, the Leotek IL line of products ensures superior performance and reliability.

Features and Benefits

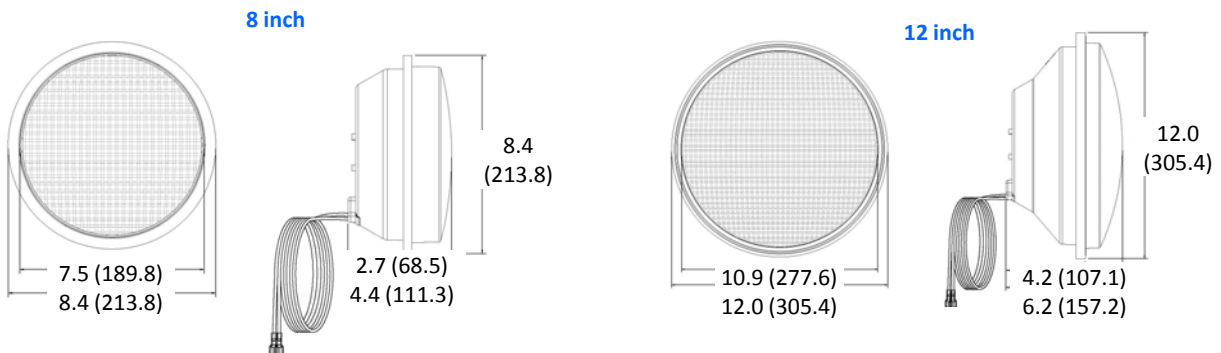
- Environmentally friendly
- Significant energy efficiency
- Wider viewing angle
- Enhanced uniformity
- Excellent moisture and dust resistance
- Utilizes constant current source to maintain consistent light output

- 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	Turn-Off Voltage: >35Vac
Power Factor: >0.90	Total Harmonic Distortion (THD): <20%

IL6 Mechanical Dimensions [in(mm)]



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 ball					
TSL-08R-LX-IL6-A1-P2 	6	80-135Vac	626	165	ITE 2005/ETL
TSL-08Y-LX-IL6-A1-P2 	6.8	80-135Vac	589	410	ITE 2005/ETL
TSL-08G-LX-IL6-A1-P2 	6	80-135Vac	500	215	ITE 2005/ETL
12 inch ball					
TSL-12R-LX-IL6-A1-P2 	6.9	80-135Vac	626	365	ITE 2005/ETL
TSL-12Y-LX-IL6-A1-P2 	11.2	80-135Vac	589	910	ITE 2005/ETL
TSL-12G-LX-IL6-A1-P2 	6.7	80-135Vac	500	475	ITE 2005/ETL

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.

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 27, 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 |



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Information provided subject to change without notice.

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