

LED 8" and 12" Traffic Signal Module EV Series Ball

Leading the LED Industry Since 1992

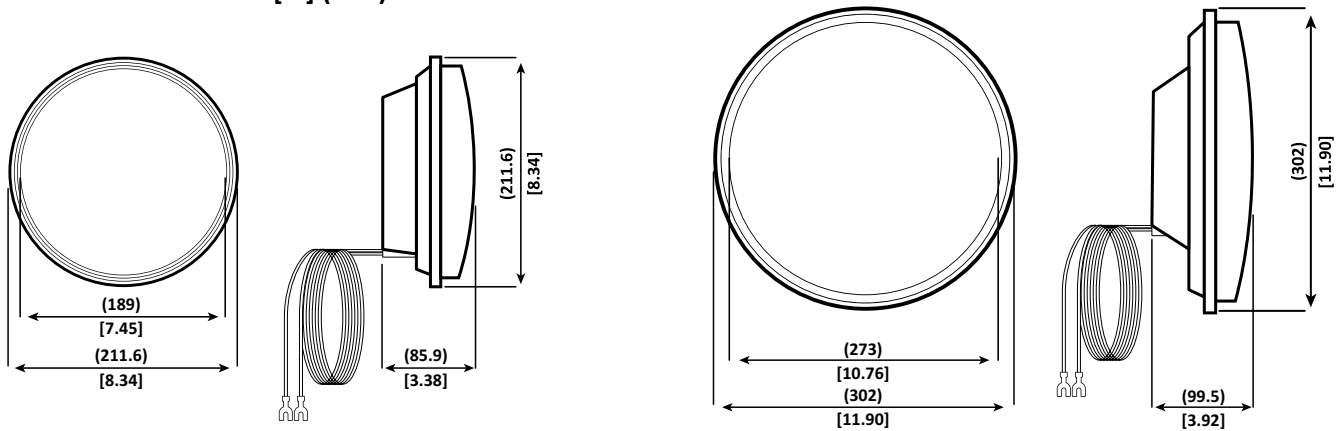
With over 7,000,000 units installed globally



Superior Performance and Reliability







- Designed to direct more light above and below the typical horizontal axis requirement
- "Fail-State Impedance" design
- Significant energy and maintenance saving
- 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
- Environmentally friendly
- 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

Mechanical Dimensions [in] (mm)



Model Specifications and Ordering Options

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%

Model Number and Color	Wattage Drawn	Voltage	Dominant Wavelength	Maintained Intensity (cd) Min.	Standard
8 inch					
TSL-EV08R-HPE-A1 	7	80-135Vac	626	165	ITE 2005
TSL-EV08Y-HPE-A1 	11	80-135Vac	589	410	ITE 2005
TSL-EV08G-HPE-A1 	10	80-135Vac	500	215	ITE 2005
12 inch					
TSL-EV12R-HPE-A1 	7	80-135Vac	626	365	ITE 2005
TSL-EV12Y-HPE-A1 	21	80-135Vac	589	910	ITE 2005
TSL-EV12G-HPE-A1 	8	80-135Vac	500	475	ITE 2005

Notes:

Tinted lens standard, clear lens optional.

1 Intertek ETL Verified

2 When ordering clear lens: On LD ETL Verified models, please add “-CLR” to model number. For MF models, 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 |