

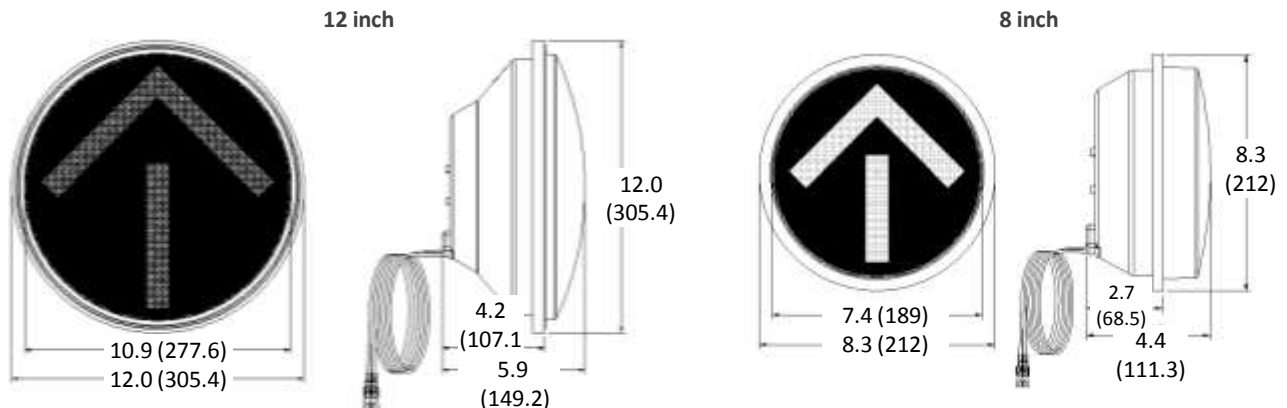
Leading the LED Industry Since 1992  
With over 7,000,000 units installed globally



## Superior Performance and Reliability







- Intertek ETL verified
- Meets and/or exceeds all ITE standards ITE VTCSH LED Arrow Signal Supplement dated July 1, 2007
- Easy installation into existing signal housings
- Patented innovative optical technology
- Wider viewing angle and enhanced uniformity
- Maintains 70% of the initial lumen intensity after 100,000 hours of operation
- Overmolded electrical connectors provide fully-weatherized seal
- Excellent moisture and dust resistance
- Utilizes constant current source to maintain consistent light output
- Superior thermal management
- Energy efficient and environmentally friendly
- 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
<b>12 inch arrow</b>						
TSL-12RA-IL6-A1		7	80-135Vac	626	58.4	ITE 2007/ETL
TSL-12YA-IL6-A1		12.5	80-135Vac	589	145.6	ITE 2007/ETL
TSL-12GA-IL6-A1		7	80-135Vac	500	76.0	ITE 2007/ETL
<b>8 inch arrow</b>						
TSL-08RA-IL6-A1		6	80-135Vac	626	N/A	N/A
TSL-08YA-IL6-A1		6.8	80-135Vac	589	N/A	N/A
TSL-08GA-IL6-A1		6	80-135Vac	500	N/A	N/A

**Please note:** 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 – July 1, 2007

- |                        |             |                       |               |
|------------------------|-------------|-----------------------|---------------|
| • 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   |

