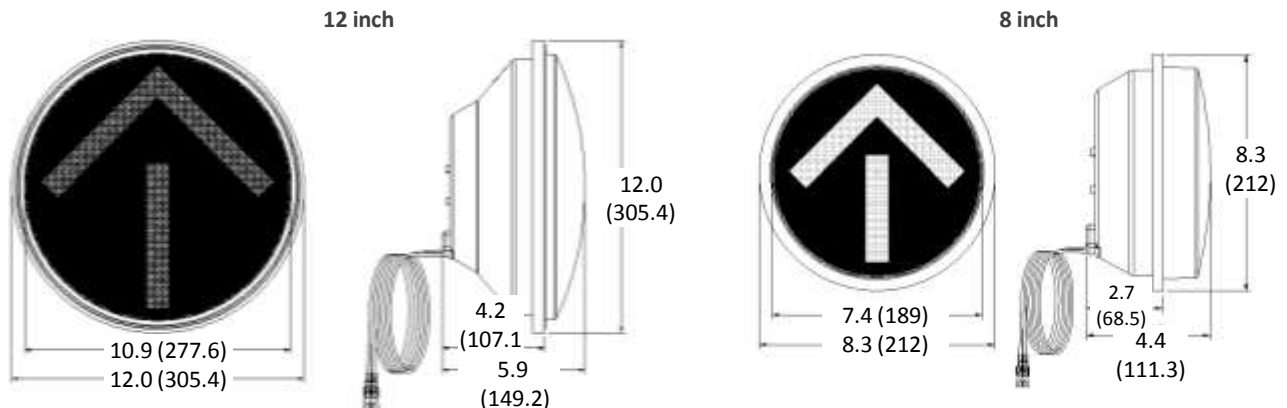**LEOTEK®**
LITE-ON GROUP

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)]

12 inch

12.0 (305.4)
4.2 (107.1)
5.9 (149.2)
10.9 (277.6)
12.0 (305.4)

8 inch

8.3 (212)
2.7 (68.5)
4.4 (111.3)
7.4 (189)
8.3 (212)

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
12 inch arrow						
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
8 inch arrow						
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