

LED 5" Traffic Signal Module

PV Series Programmable Visibility Retrofit

Leading the LED Industry Since 1992

With over 7,000,000 units installed globally

Superior Performance and Reliability

Features dimming functionality

Simple and fast installation with "plug-in" retrofit

No modification required

Significant energy and maintenance savings

Exceptional color uniformity and readability

Maintains 70% of the initial lumen intensity after 100,000 hours of operation

Environmentally friendly

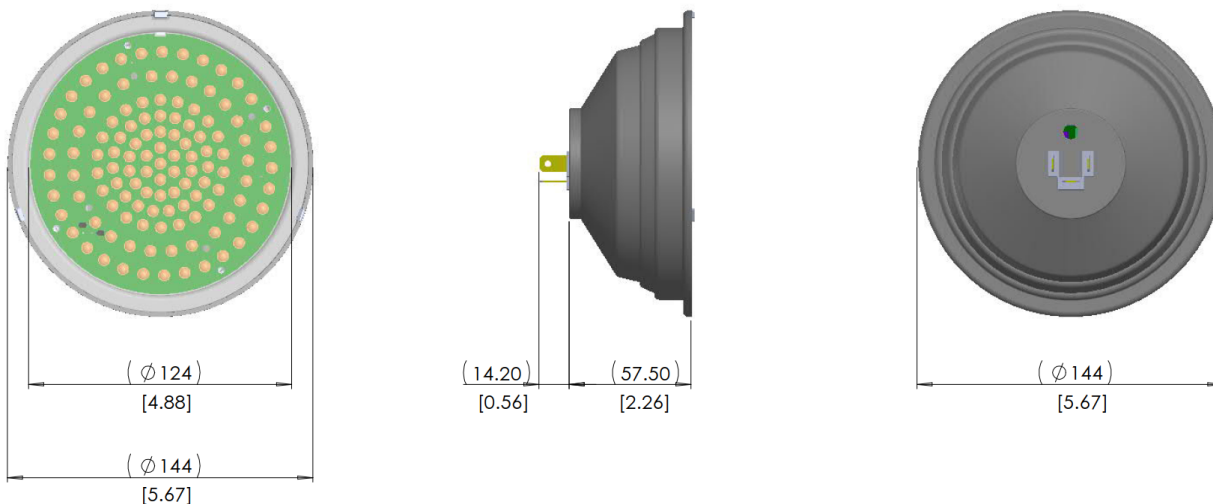
UV-stabilized polycarbonate lens for increased longevity against the elements

Built-in Constant Current Source (CCS) provides uniform light output from the first to the last modules

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:	70 - 135Vac	Turn-Off Voltage:	>35Vac
Power Factor:	>0.90	Total Harmonic Distortion (THD):	<20%

Model Number and Color		Wattage Drawn	Voltage	Dominant Wavelength	Standard
Standard (Non-Dimmable)					
TSL-05W-EV1-A1	○	7.2	70-135Vac	N/A	N/A
TSL-05R-EV1-A1	●	7.2	70-135Vac	626	Caltrans
TSL-05Y-EV1-A1	●	7.2	70-135Vac	589	Caltrans
TSL-05G-EV1-A1	●	7.2	70-135Vac	500	Caltrans
Dimmable					
TSL-05W-EV1-A1-DIM	○	7.9	70-135Vac	N/A	N/A
TSL-05R-EV1-A1-DIM	●	7.9	70-135Vac	626	Caltrans
TSL-05Y-EV1-A1-DIM	●	7.9	70-135Vac	589	Caltrans
TSL-05G-EV1-A1-DIM	●	7.9	70-135Vac	500	Caltrans

Notes:
Available with clear lens only.

Standard Conformance

- FCC Compliant for Electrical Noise
- MIL-STD-883 Mechanical Vibration
- NEMA TS2 Transient Voltage Protection over 1000V