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## PL16 Series 5mm (T1<sup>3</sup>/<sub>4</sub>) Ultra Bright White LED

### Features

- \*Popular 5mm LED Lens Style with Flange
- \*Very High Light Output
- \*Reliable and Rugged
- \*Wide Viewing Angle
- \*Integrated Zener Diode for ESD protection
- \*RoHS Complaint

### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Power Dissipation.....	120mW
Reverse Voltage (<100µA).....	5.0V
Max Forward Current.....	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width).....	100mA
Operating Temperature Range .....	-25°C to +85°C
Storage Temperature Range.....	-40°C to +100°C
Soldering Temperature (1.6mm below body).....	260°C for 5 seconds
Electrostatic discharge (ESD).....	6000V

### Electrical & Optical Characteristics at T<sub>A</sub> = 25°C

Part Number	Emitting Color	Chip Material	Chromaticity Coordinates		Viewing Angle	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
			X Typ	Y Typ	2θ ½	Typ	Max	Min	Typ
PL16H-WCW15Z	White	InGaN	0.31	0.30	40°	3.2	4.0	1000	2800

All dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified. An epoxy meniscus may extend about 1mm down the leads.

