



PL16 Series 5mm (T1¾) Ultra Bright White LED

Features

- *Popular T1 3/4 style Lens with Flange
- *High Intensity
- *Ultra High Light Output
- *Narrow Viewing Angle
- *Integrated Zener Diode for ESD protection
- *RoHS Compliant

Absolute Maximum Ratings at T_A = 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_A = 25°C

Part Number	Emitting Color	Chip Material	Chromaticity Coordinates		Viewing Angle	Reverse Current V _r =5V (µA)	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
			X	Y	2θ ½		Typ	Max	Min	Typ
Water Clear Lens					Deg	Max				
PL16E-WCW15Z	White	InGaN/Sapphire	0.31	0.30	25°	50	3.2	4.0	1400	3500

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

