

P-tec Corp. Tel:(800)688-0613
 2405 Commerce Circle Tel:(719) 589 3122
 Alamosa Co. 81101 Fax:(719) 589 3592
 www.p-tec.net sales@p-tec.net



PL16 Series 5mm (T1^{3/4}) Ultra Bright White LED

Features

- *Popular T1 3/4 Lens style 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 (<50µA).....	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 2θ ½ Deg	Reverse Current V _r =5V (µA) Max	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
			X	Y			Typ	Max	Min	Typ
Water Clear Lens										
PL16C-WCW13Z	White	InGaN/Sapphire	0.31	0.30	15°	50	3.2	4.0	1950	4500

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

