

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<sup>3</sup>/<sub>4</sub> Ultra Bright Blue LED

### Features

- \*Popular 5mm Lens Style with Flange
- \*High Light Output
- \*Good Viewing Angle
- \*Low Current Requirements
- \*Integrated Zener Diode for ESD protection
- \*RoHS Compliant

### Absolute Maximum Ratings at T<sub>A</sub> = 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
Electric Static Discharge .....	2000V

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

Part Number	Emitting Color	Chip Material	Dominant Wave Length	Peak Wave Length	Viewing Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
Water Clear Lens			nm	nm	Deg				
PL16F-WCB20Z	Blue	InGaN	465	—	30°	3.2	4.0	370	680

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

