

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 T1³/₄ Ultra Bright Blue LED

Features

- *Popular 5mm Lens Style with Flange
- *High Light Output
- *Narrow Viewing Angle
- *Low Current Requirements
- *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
Electric Static Discharge	6000V

Electrical & Optical Characteristics at T_A =25°C

Part Number	LED Chip		Dominant Wave Length	View Angle 2θ ½	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
	Material	Emitting Color			nm	Deg	Typ	Max
PL16C-WCB20Z	InGaN	Blue	465	15°	3.2	4.0	700	1400

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

