

P-tec Corp. Tel:(866) 695 4162
 2405 Commerce Circle Tel:(719) 589 3122
 Alamosa CO 81101 Fax:(719) 589 3592
 www.p-tec.net



PL16 Series 5mm T1³/₄ 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_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	2000V

Electrical & Optical Characteristics at T_A = 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				
PL16E-WCB13Z	Blue	InGaN	465	—	25°	3.2	4.0	1400	2550

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

