

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 (T1<sup>3/4</sup>) Ultra Bright Pure Green LED

### Features

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

### Absolute Maximum Ratings at T<sub>A</sub> = 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.....	6000V

### 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				
PL16B-WCG29Z	Pure Green	InGaN	525	—	10°	3.2	4.0	2750	8000

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

