P-tec Corp.
2405 Commerce Circle
Alamosa Co. 81101
www.p-tec.net

Tel:(800)688-0613
Tel:(719) 589 3122
Fax:(719) 589 3592
sales@p-tec.net

PL16 Series 5mm (T1¾) Ultra Bright Turquoise LED

Features

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

Absolute Maximum Ratings at T_A = 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_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)	
Water Clear Lens			nm	nm	Deg	Typ	Max	Min	Typ
PL16F-WCG01Z	Turquoise	InGaN	500	—	30°	3.2	4.0	1000	2000

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

