

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



## PL1010 Series Round Lens High Power White Thru-Hole LED

### Features

- \*TO-220 Package
- \*High Light Output
- \*Wide Viewing Angle
- \*Thermal Resistance Junction to Board is 15°C/W
- \*RoHS Complaint

### Absolute Maximum Ratings at T<sub>A</sub> = 25°C

Reverse Voltage (50μA) .....	5.0V
Power Dissipation .....	1W
D.C. Forward Current .....	350mA
Pulsed Forward Current : tp ≤100μs, Duty Cycle=0.005 .....	1000mA
Operating Temperature Range .....	-30°C to +85°C
Storage Temperature Range .....	-40°C to +105°C
Reflow Soldering Temperature .....	260°C for 10 seconds
ESD Threshold (HBM) .....	6000V
LED Junction Temperature .....	120°C

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

Part Number	Emitting Color	Chip Material	Color Temperature (°K)		View Angle 2θ ½ Deg	Forward Voltage @350mA (V)		Luminous Flux (lm)	
			Min	Max		Typ	Max	Min	Max
PL1010TR-WCCW	White	InGaN	5000	8000	60°	2.7	4.25	23.5	51.6

Package Dimensions are in **Millimeters**. Tolerance is ± 0.25mm unless otherwise specified.

