

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



PL84 Series Bi-Color 3 Leaded 5mm (T1^{3/4}) LED

Features

- *Popular 5mm lens style with flange
- *AlInGaP ultra bright yellow-green and InGaN blue chips used
- *Common cathode
- *White diffused lens for a wide viewing angle
- *2.54 mm lead spacing
- *Both LED chips can be powered to create a 3rd color
- *RoHS compliant



Absolute Maximum Ratings at T_A = 25°C

Power Dissipation (Blue).....	120mW
Power Dissipation (Green).....	72mW
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 (ESD)	6000V

Electrical & Optical Characteristics at T_A = 25°C

Part Number	Emitting Color	Chip Material	Peak Wave Length (λp)	Dominant Wave Length (λd)	Viewing Angle 2θ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)	
						Typ	Max	Min	Typ
White Diffused Lens			nm	nm	Deg				
PL84-WDBG2520	Blue Yellow-Green	InGaN/Sapphire AlGaInP	- 573	465 570	70°	3.2 1.9	4.0 2.4	200.0 62.0	450.0 120.0

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

