



PL0016 Series Ultra-Bright White Side View SMD LED

Features

- *Side View Package
2.85mm x 1.2mm x 1.0mm
- *Right Angle Design Ideal for Backlighting
- *Low Current Requirements
- *High Light Output
- *Wide Viewing Angle
- *Space Saving Design
- *Compatible with IR Solder-Process
- *RoHS Compliant

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Reverse Voltage (<100 μ A)	5.0V
Power Dissipation	120mW
D.C. Forward Current	30mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-30°C to +85°C
Storage Temperature Range	-40°C to +100°C
Reflow Soldering Temperature	260°C for 10 seconds
ESD Threshold (HBM)	300V

Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number	Emitting Color	Material	Chromacity Coordinates		View Angle 2 θ 1/2	Forward Voltage @20mA (V)		Luminous Intensity @20mA (mcd)		Luminous Flux
			X	Y		Typ	Max	Min	Max	
Water Clear Lens					Deg					lm
PL0016-WCW24	White	InGaN	0.31	0.30	120°	3.2	3.8	800	1300	1300

Package Dimensions are in **Millimeters**. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.

