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PL16 Series 5mm (T1^{3/4}) Ultra Bright White LED

Features

- *Popular T1 3/4 style Lens with Flange
- *High Intensity
- *Ultra High Light Output
- *Narrow 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 (ESD)..... | 6000V |

Electrical & Optical Characteristics at T_A = 25°C

| Part Number | Emitting Color | Chip Material | Chromaticity Coordinates | | Viewing Angle 2θ ½ | Reverse Current V _r =5V (μA) | Forward Voltage @20mA (V) | | Luminous Intensity @20mA (mcd) | |
|------------------|----------------|----------------|--------------------------|------|-----------------------|--|------------------------------|-----|-----------------------------------|-------|
| | | | X | Y | Deg | Max | Typ | Max | Min | Typ |
| Water Clear Lens | | | | | | | | | | |
| PL16C-WCW15Z | White | InGaN/Sapphire | 0.31 | 0.30 | 15° | 50 | 3.2 | 4.0 | 4800 | 10000 |

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

