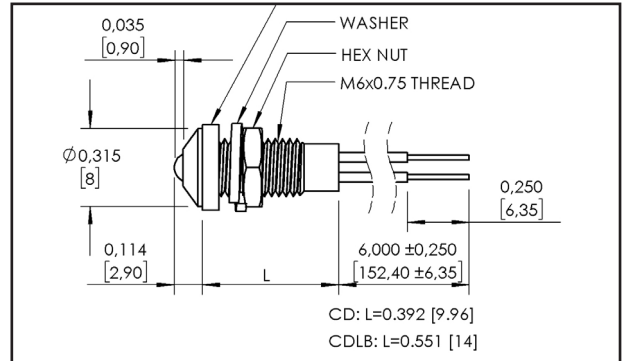


# CD/CDLB Series T1 Panel Mount Reflector LED



3mm Panel Mount LED Assemblies

## Package Dimensions



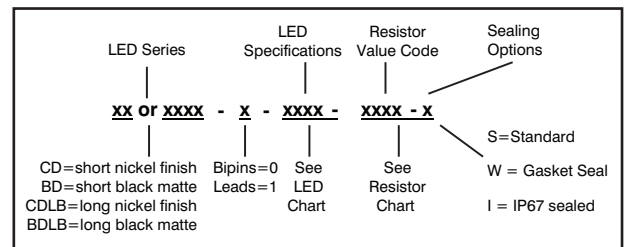
All dimensions are in inches (mm)

## Resistor Chart

OPERATING SPECIFICATIONS				
Resistor Value Code	Voltage	Current (mA)	Resistor Value (Ohms) Green, Yellow Red, Bicolor LED	Resistor Value (Ohms) Blue, White LED
0000	2	10 or 20	None	Not Available
9900	5	10	332	
9928	5	10		121
9901	12	10	1000	
9902	12	10		715
9903	24	10	2210	
9904	24	10		1910
9905	28	10	2610	
9906	28	10		2320
9907	5	20	150	
9922	5	20		65
9908	12	20	511	
9909	12	20		357
9910	24	20	1100	
9911	24	20		953
9923	28	20	1500	
9933	28	20		1300
9920	120VAC	8	6490	Contact WLI

Note: Bi-Color and Tri-Color not available in AC Voltages

## How To Order



## Special Features

- Sealed against moisture and dust – watertight gasket option and IP67 sealing available
- Optional internal resistor for 5V-28VDC – resistor on lead for 3 leaded bicolor LED
- Custom assemblies for 5V-28VAC and 120VAC
- Mil Spec MIL-W22759/33 wire and connector options
- Available with longer threads for panels up to .315" (8.00mm) thick

## Specifications

- Mounting hole: .236 +0.004/-0" (6.0 +0.1/-0 mm)
- Termination: 24 AWG UL1061 6.0" (152.4mm) red (anode) and black (cathode) leads stripped to .250" (6.35 mm) standard or LED pins
- Housing: Nickel plated brass housing or black matte finish – short or long threads
- Maximum panel thickness:
  - CD: .150" (3.81 mm) or .09" (2.29 mm) watertight
  - CDLB: .315" (8.0 mm) or .256" (6.5 mm) watertight
- Mounting torque: 20 ± 2 in-lb (2.26 ± 0.23 N-mm)

## Electrical and Optical Characteristics (TA = 25°C)

LED Part #	Color	Luminous Intensity (mcd) Typ. @ I <sub>F</sub> (mA)	V <sub>F</sub> Typ. @ I <sub>F</sub> (mA)	Viewing Angle 2 θ ½	Peak Wavelength (nm)		
<b>HIGH EFFICIENCY</b>							
8708	Red	40.0	20	2.0	20	35°	635
8709	Green	40.0	20	2.2	20	35°	568
8710	Yellow	30.0	20	2.1	20	35°	585
<b>BICOLOR (2 leaded)</b>							
8700	Red	30.0	20	2.0	20	45°	635
	Green	30.0	20	2.2	20		568
8701	Yellow	15.0	20	2.1	20	45°	585
	Green	30.0	20	2.2	20		568
<b>BICOLOR (3 leaded-common cathode)</b>							
3804	Red	44.0	20	2.0	20	60°	627
	Green	34.0	20	2.2	20		565
3803	Yellow	17.0	20	2.1	20	60°	590
	Green	34.0	20	2.2	20		565
<b>BLINKING (Operates at 3.5V to 14V, blinking frequency from 3.0Hz to 1.5Hz)</b>							
8713	Red	198.0	22	5.0	22	60°	660
<b>ULTRA BRIGHT - DAYLIGHT READABLE</b>							
2702	Red	299.0	20	1.85	20	60°	660
2700	Green	199.0	20	2.1	20	60°	574
2701	Yellow	219.0	20	2.0	20	60°	590
<b>SUPER BLUE</b>							
8711	Blue	2300.0	20	3.5	20	25°	470
<b>WHITE</b>							
8712	White	250.0	20	3.6	20	30°	N/A