

# CCLB/BCLB T1 3/4 Panel Mount Reflector LED

## Special Features

- Sealed against moisture and dust – gasket option and IP67 sealing available
- Optional internal resistor for 5V-48VDC
- Resistant to shock and vibration
- Solder lug/faston termination for fast, easy installation
- New longer threads for thicker panels

## Specifications

- Mounting hole: 0.319" +.004/-0.000" (8.10 mm +0.10/-0.00 mm)
- Termination: 24AWG UL1061 6.0" (152.4mm) red(anode) and black(cathode) leads stripped .250" (6.35mm) standard or 2.8 x 5.0mm fastons ( gold faston = anode and silver faston = cathode)
- Housing: Chrome-plated brass housing or black matte finish
- Maximum panel thickness: .354" (9.0mm)
- Mounting torque: 20 ± 2 in-lb ( 2.26 ± 0.23 N-mm )

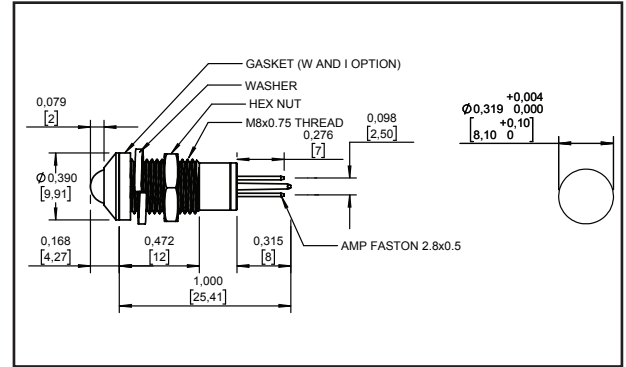
## Electrical and Optical Characteristics (TA = 25°C)

LED Part #	Color	Luminous Intensity (mcd) Typ. @ I <sub>f</sub> (mA)	V <sub>f</sub> Typ. @ I <sub>f</sub> (mA)	Viewing Angle 2θ 1/2	Peak Wavelength (nm)		
<b>HIGH EFFICIENCY</b>							
3008	Red	11.0	10	1.9	10	60°	635
3019	Green	14.0	10	2.1	10	60°	565
3020	Yellow	8.0	10	2.0	10	60°	583
3022	Orange	7.0	10	1.9	10	60°	600
<b>ULTRA BRIGHT - DAYLIGHT READABLE</b>							
3056	Red	400.0	20	1.9	20	30°	660
3055	Yellow	400.0	20	2.0	20	30°	590
3054	Green	300.0	20	3.2	20	30°	520
3060	Orange	600.0	20	2.1	20	30°	610
<b>SUPER ULTRA BRIGHT</b>							
3036	Red	2800.0	20	1.85	20	20°	660
3046	Yellow	900.0	20	1.9	20	30°	626
3047	Green	5490.0	20	3.2	20	20°	520
3048	Amber	1300.0	20	2.02	20	30°	592
<b>BLINKING (Operates at 3.5V to 14V, blinking frequency from 3.0Hz to 1.5 Hz)</b>							
4002	Red	198.0	22	5.0	22	60°	660
<b>BICOLOR (2 leaded)</b>							
9001	Red	30.0	20	2.0	20	60°	627
	Green	30.0	20	2.2	20		565
9002	Yellow	30.0	20	2.1	20	60°	590
	Green	30.0	20	2.2	20		565
<b>BLUE</b>							
3057	Blue	640.0	20	3.3	20	20°	468
<b>WHITE</b>							
3061	White	27000.0	20	3.2	20	15°	N/A



5mm 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
9912	48	9	4870	
9913	48	9		4530

## How To Order

