



# CR/BR Series T1 3/4 Panel Mount Reflector LED

## Special Features

- Sealed against moisture and dust – gasket option and IP66 sealing available
- Optional internal resistor for 5V-60VDC, 5V-60VAC and 120VAC option
- Mil Spec MIL-W22759/33 wire and connector options

## Specifications

- Mounting hole: .312" ± .002" (7.93 ± 0.05 mm)
- Termination: 24 AWG UL1061 6.0" (152.4 mm) red (anode) and black (cathode) leads stripped .250" (6.35 mm) standard or LED pins
- Housing: Nickel plated brass or black anodized brass housing
- Maximum panel thickness: .160" (4.06 mm) standard, .100" (2.54 mm) gasket seal
- Mounting torque: 20 ± 2 in-lb (2.26 ± 0.23 N-mm)

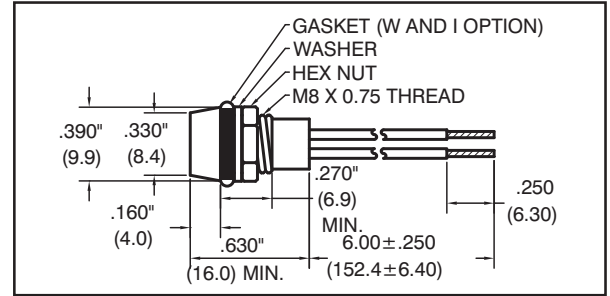
## Electrical and Optical Characteristics (TA = 25°C)

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>							
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	Red	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 1.5Hz)</b>							
4002	Red	198.0	22	5.0	22	60°	660
<b>BICOLOR (3 leaded – common cathode)</b>							
0909	Red	697.0	20	1.95	20	60°	650
	Green	198.0	20	2.1	20		574
0910	Yellow	198.0	20	2.0	20	60°	590
	Green	168.0	20	2.1	20		574
<b>TRICOLOR (4 leaded – common cathode)</b>							
3900	Red	547.0	20	1.9	20	60°	640
	Yellow	397.0	20	2.0	20	60°	590
	Green	497.0	20	3.2	20	60°	520
<b>FULL COLOR R/G/B (4 leaded – common anode)</b>							
2400	Red	2490.0	20	2.2	20	60°	640
	Green	377.0	20	3.2	20	60°	520
	Blue	1095.0	20	3.3	20	60°	461
<b>BLUE</b>							
3044	Blue	60.0	20	3.8	20	20°	430
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
9912	48	9	4870	
9913	48	9		4530
9914	60	7	8250	
9915	60	7		7500
9920	120VAC	3.5	34000	Contact WLI

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

## How To Order

