

Special Features

- Rugged watertight construction – sealed to IP66
- Rear mounts in .315" (8.00 mm) D-shaped hole
- Optional internal resistor for 5V-60VDC, 5V-60VAC and 120VAC option
- Mil Spec MIL-W22759/33 wire and connector options
- Internally potted-suitable for high vibration applications

Specifications

- Mounting hole: .315" $\pm$.002" (8.00 $\pm$ 0.05 mm) D-shaped hole
- Termination: 24AWG UL1061 6.0" (152.4mm) red(anode) and black (cathode) leads stripped .250" (6.35 mm) standard or LED pins
- Housing: Nickel-plated brass housing
- Panel thickness: .118" $\pm$.006" (3.00 $\pm$ 0.15mm) Spacer available for .060" (1.52 mm) thick panel
- Mounting torque: 20 $\pm$ 2 in-lb (2.26 $\pm$ 0.23 N-mm)

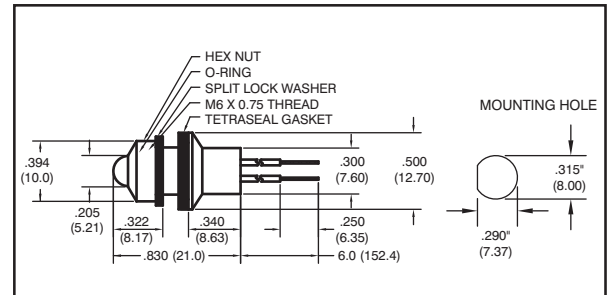
Electrical and Optical Characteristics (TA = 25°C)

LED Part #	Color	Luminous Intensity (mcd) Typ. @ I _f (mA)		V _f Typ. @ I _f (mA)		Viewing Angle 2 θ ½	Peak Wavelength (nm)
HIGH EFFICIENCY							
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
ULTRA BRIGHT – DAYLIGHT READABLE							
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
SUPER ULTRA BRIGHT							
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
BLINKING (Operates at 3.5V to 14V, blinking frequency from 3.0Hz to 1.5Hz)							
4002	Red	198.0	22	5.0	22	60°	660
BICOLOR (3 leaded – common cathode)							
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
TRICOLOR (4 leaded – common cathode)							
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
FULL COLOR R/G/B (4 leaded – common anode)							
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
BLUE							
3044	Blue	60.0	20	3.8	20	20°	430
3057	Blue	640.0	20	3.3	20	20°	468
WHITE							
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, Tri-Color and Full Color not available in AC voltages

How To Order

LED Series	LED Specifications	Resistor Value Code
CRM - x -	xxxx -	xxxx - I
Bipins=0 Leads=1	See LED Chart	See Resistor Chart