

# CL Series 10mm Panel Mount LED

## Special Features

- Rugged watertight construction – sealed to IP67
- Front mounts with supplied hex nut, spacer and gasket
- Optional internal resistor for 5V-60VDC and 5V-240VAC
- Mil Spec MIL-W22759/33 wire and connector options
- Internally potted-suitable for high vibration applications

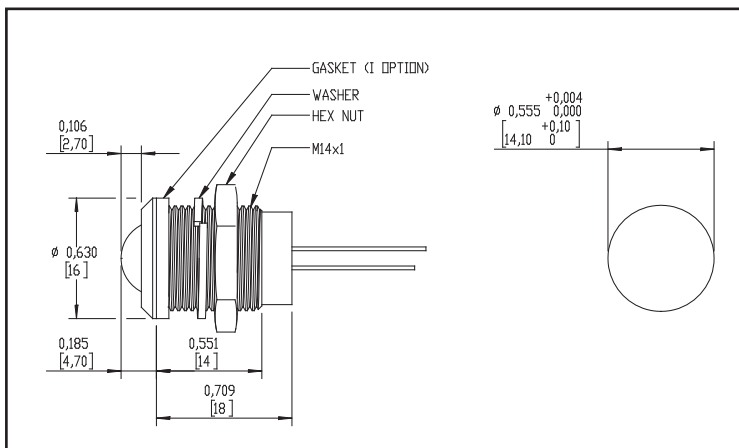
## Specifications

- Mounting hole: .555" +.004/-.000 (14.10 +0.10/-0 mm)
- 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 M14 size
- Mounting torque: 20 ± 2 in-lb ( 2.26 ± 0.23 N-mm )
- Maximum panel thickness: .394" (10mm) without gasket, .354" (9mm) with gasket

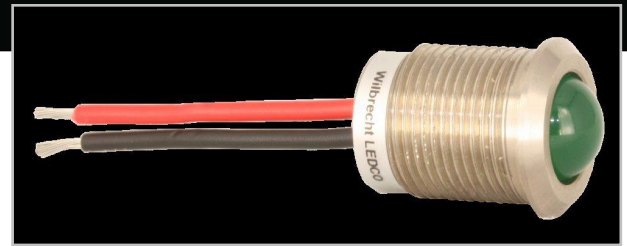
## Electrical and Optical Characteristics (TA = 25°C)

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 ½	Peak Wave-length (nm)		
<b>HIGH EFFICIENCY</b>							
2001	Red	100.0	20	2.0	20	30°	627
2002	Green	60.0	20	2.2	20	30°	565
2003	Yellow	50.0	20	2.1	20	30°	590
<b>ULTRA BRIGHT – DAYLIGHT READABLE</b>							
2006	Red	420.0	20	1.85	20	30°	655
2007	Yellow	500.0	20	2.0	20	30°	590
2008	Green	100.0	20	2.1	20	30°	574
<b>BICOLOR (2 leaded)</b>							
2005	Red	750.0	20	1.95	20	50°	645
	Green	130.0	20	2.1	20		574
<b>BLUE</b>							
2004	Blue	400.0	20	3.3	20	20°	460

## Package Dimensions - M14



All dimensions are in inches (mm)



10mm Panel Mount LED Assemblies

## 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
0120	120VAC	7	16500	Contact WLI
0240	240VAC	3.5	66400	Contact WLI

Note: Bi-Color not available in AC voltages.

## How to Order

