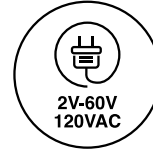
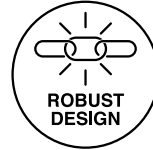


CR Series Ø.319 (8.10mm) Watertight LED indicator, IP66 & Vandal resistant



Robust LED metal indicator with recessed bezel, especially suitable for high vibration environments and is ideal for heavy-duty applications



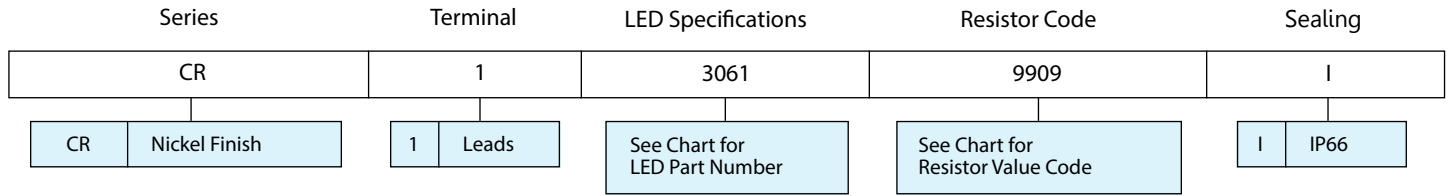
Applications

- Pilot Instrumentation
- Status Maintenance
- Maintenance and Warning Indication
- Signaling
- Remote Power Indication
- Main Power Indication
- Safety and Emergency
- Aircraft/Military Instrumentation
- Maritime, Oil and Gas Industry

Key Features

- Mounting hole diameter: 0.319 (8.1mm) ~ 0.327 (8.3mm)
- Maximum panel thickness: .160 (4.06mm) .100 (2.54mm) gasket seal
- Recessed T-1 3/4 (5mm) LED position that offers a viewing angle up to 45°
- Sealed against moisture and dust - IP66
- Resistant to shock and vibration
- Available with ultra bright and super ultra bright (daylight viewing) LEDs
- Optional internal resistor for 5V-60VDC, 5V-60VAC and 120VAC option
- Offered with 24 AWG UL1061 6 (152.4mm) red (anode) and black (cathode) lead stripped .250 (6.35mm) standard
- Nickel plated housing
- Mil Spec MIL-W22759/33 wire and connector options
- Available in seven single colors: red, yellow, green, amber, orange, blue, and white
- Mounting hardware provided: hex nut, washer, and gasket
- Thread size: M8 X 0.75mm
- Mounting torque: 20 ± 2 in-lb (2.26 ± 0.23 N-m)
- For black matte finish (BR Series), custom cable length, connectors, or single/bi-color LED contact VCC
- RoHS and REACH Compliant

Ordering Data



Example:
CR-1-3061-9909-I
 CR Nickel Finish, Wire Leads, White LED 12 Volt, IP67

LED Specification Chart

Electrical and Optical Characteristics (TA = 25°C)

LED Part Numbers	Color	Luminous Intensity (mcd) Typ. @ IF (mA)	VF Typ. @ IF (mA)	Viewing Angle (2θ ^{1/2})	Peak Wavelength (nm)
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SINGLE COLOR

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
3057	Blue	640.0	20	3.3	20	20°	468
3061	White	27000.0	20	3.2	20	15°	N/A

SUPER ULTRA BRIGHT

3036	Red	2800.0	20	1.85	20	20°	660
3046	Green	900.0	20	1.9	20	30°	625
3047	Green	13990	20	3.3	20	20°	515
3048	Amber	1300.0	20	2.02	20	30°	592

Resistor Chart

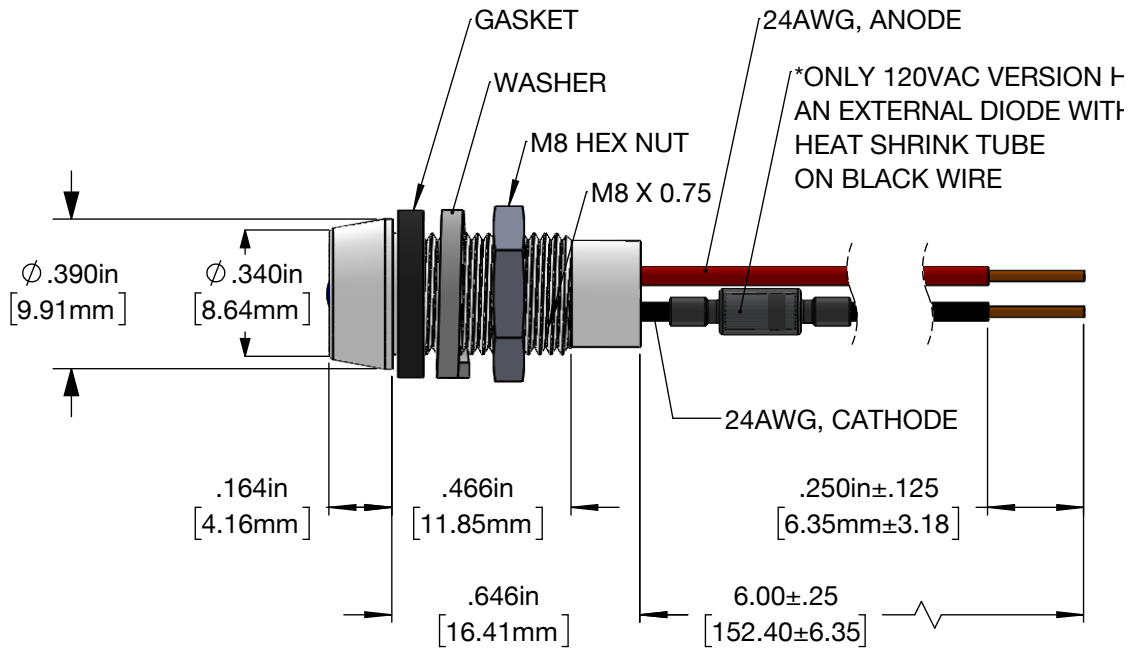
Operating Specification

Resistor Value Code	Voltage	Current (mA)	Resistor Value (Ohms) Green, Yellow Red, Bicolor LED	Resistor Value (Ohms) Blue, White LED
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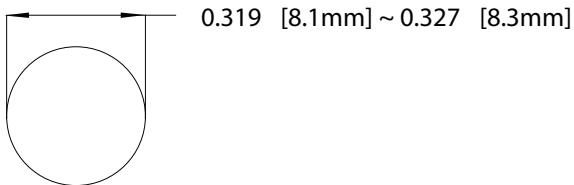
0000	2	20	None	Not Available
9907	5	20	150	
9922	5	20		65
9908	12	20	511	
9909	12	20		357
9910	24	20	1100	
9911	24	20		953
9912	48	9	4870	
9913	48	9		4530
9914	60	7	8250	
9915	60	7		7500
9920	120VAC	3.5	34000	Contact VCC

Product Dimensions

CR Series



Recommended Mounting Hole



Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is $\pm .002$ [0.05] unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.