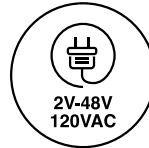
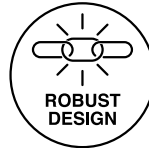


CRLB Series

Ø.319" (8.10mm) Watertight LED Indicator, Long Body and IP67 Sealed



Long-body robust LED metal indicator with recessed bezel which fit thick panels, especially designed for extreme, hard and outdoor environments



Applications

- Industrial
- People Movers
- Automation and Control
- Safety and Emergency
- Pilot Instrumentation
- Status Maintenance
- Warning Indication
- Aircraft/Military Instrumentation
- Maritime, Oil and Gas Industry

Key Features

- Recessed T-1 3/4 (5mm) LED position that offers a viewing angle up to 45°
- For panel hole diameter: 0.319" (8.10mm)
- Sealed against moisture and dust - IP67
- Long-body indicator (longer threads) which fit thicker panels up to 0.354 (9mm)
- Available with ultra bright and super ultra bright (daylight viewing) LEDs
- Designed for extreme, harsh and outdoor environments
- Available in operating voltage of 2V to 48V; 120VAC
- Optional resistor for 5V-48VDC
- Available in six single colors: red, yellow, green, amber, orange, blue and white
- Offered with 24 AWG UL1061 6" (152.4mm) red (anode) and black (cathode) lead stripped .250 (6.35mm) standard
- Mounting hardware provided: lock washer and hex nut and weather gasket
- Thread size: M8*0.75mm
- Mounting torque: 20 ± 2 in-lb (2.26 ± 0.23 N-mm)
- Resistant to vandal, shock and vibration
- For black matte finish, custom cable length, connectors or colors, contact VCC
- RoHS and REACH Compliant

Ordering Data

Series		Terminal		LED Specifications	Resistor Code	Sealing	
CRLB		1		3056	9909	I	
CRLB	Nickel Finish	1	Leads	See Chart for LED Part Number	See Chart for Resistor Value Code	I	IP67



Example:

CRLB-1-3056-9909-I

CRLB Nickel Finish, Wire Leads, Red 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

SUPER ULTRA BRIGHT

3036	Red	2800.0	20	1.85	20	20°	660
3047	Green	5490.0	20	3.2	20	20°	520
3048	Amber	1300.0	20	2.02	20	30°	592
3057	Blue	640.0	20	3.3	20	20°	468
3061	White	27000.0	20	3.2	20	15°	N/A

Resistor Chart

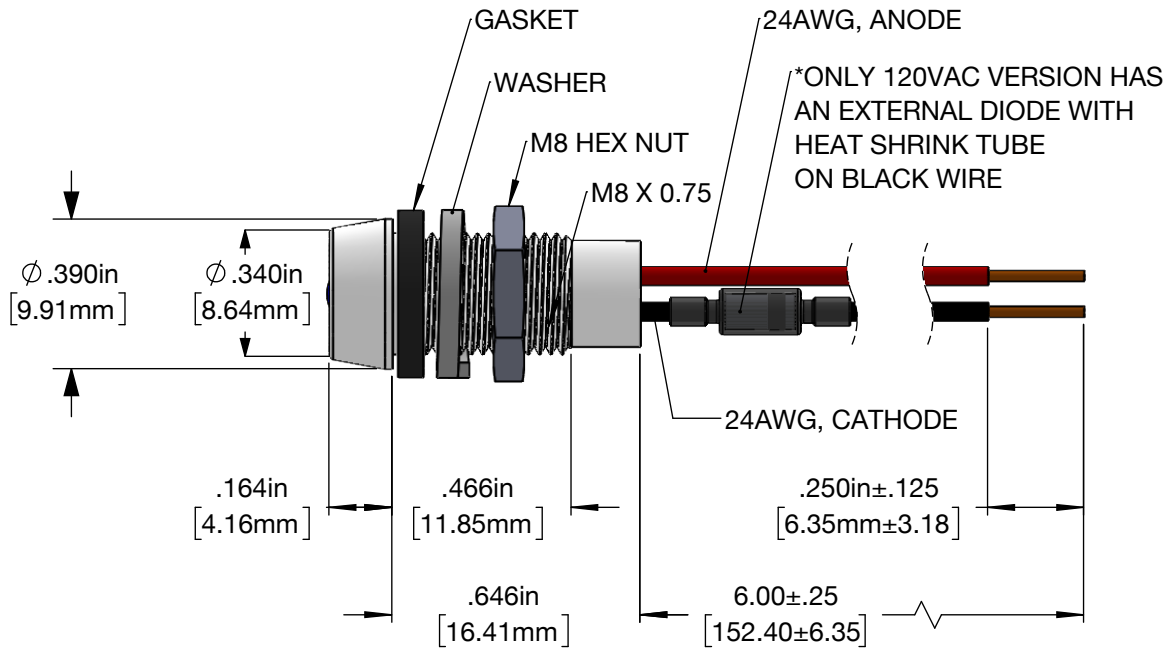
Operating Specification

Resistor Value Code	Voltage	Current (mA)	Resistor Value (Ohms) Green, Yellow Red, Bicolor LED	Resistor Value (Ohms) Blue, White LED
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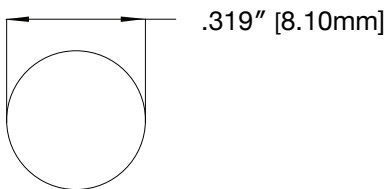
0000	2	20	None	Not Available
9907	5	20	150	
9922	5	20		65
9908	12	20	511	
9909	12	20		357
9910	24	20	1100	
9911	24	20		953
9923	28	20	1500	
9933	28	20		1300
9912	48	9	4870	
9913	48	9		4530
9920	120VAC	8	6490	Contact VCC

Product Dimensions

CRLB Series



Recommended Mounting Hole



Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is + .004/- .000 [+0.10/-0.00] unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Specifications

Materials	
Housing	Nickel-plated metal housing
Wire Leads	24 AWG, 6" length, red anode, black cathode
Washer	Stainless steel
Gasket	Buna
Hex Nut	Brass Alloy

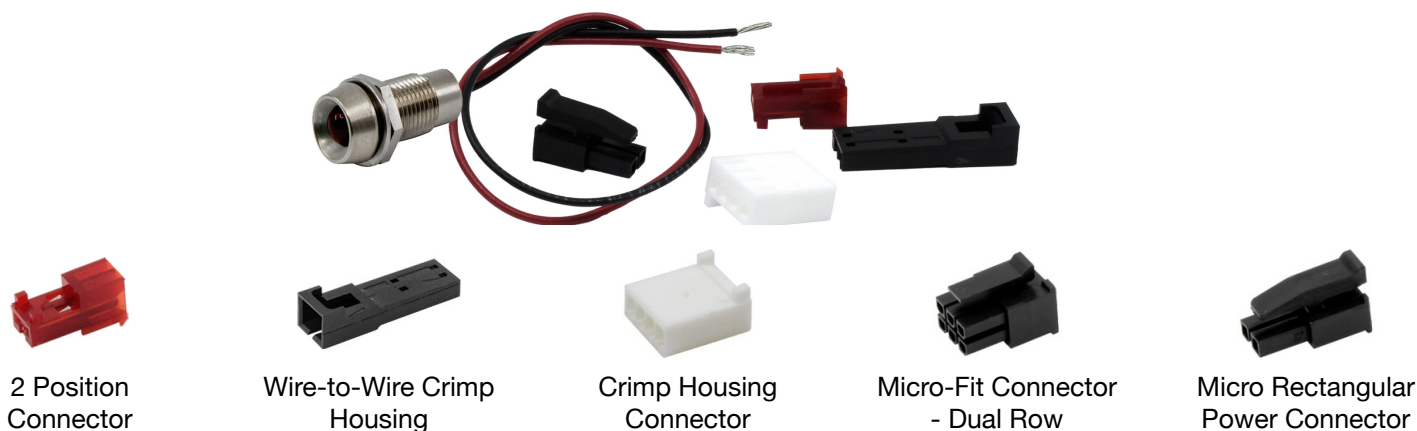
Electrical Specifications	
Operating Voltage	Refer to table
Operating Current	Refer to table

Installation Specifications	
Mounting Hole	.319" + .004/- .000" (8.10mm + 0.10/-0.00mm)
Panel Thickness (max.)	.354" (9.0mm)
Wire Leads	24AWG UL1061 6.0" (152.4mm) red (anode) and black (cathode), leads stripped .250" (6.35mm)
Wire Leads AC Version	Black (hot) White (neutral) with external diode on black wire
Mounting Torque	20 ± 2 in-lb (2.26 ± 0.23 N-m)

Temperature Specifications	
Operating Temperature	-40°C to +85°C -40°F to +185°F
Storage Temperature	-40°C to +85°C -40°F to +185°F

Custom Connector

VCC can add crimped connections to your panel mount indicators (PMIs) and combine two final steps into one seamless transaction. We offer a range of connector options, including:



Compliances and Approvals

