Larson Electronics LLC
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Product ID: 106317

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image:

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

LEDLB-10R-CPR LED Flood Light

Lamp Type: Cree LED
Dimensions: 6.29" X 5.59" X 9.09"
Weight: 2 lbs
Voltage: 9-32V DC
Watts: 50 watts
Total Lumens: 3,700
Luminous Efficiency: 74 Lm/W
Lamp Life Expectancy: 50,000+ Hours
Color Temperature: 6000-6500K
Color Rendering Index: 85
Beam Angle: 60°
Amp Draw: 4.16 amps @ 12vDC
Operating Temperature Rating: -40°C to +85°C
Lighting Configuration: Wide Beam Spread
Housing Material: Die-Cast Aluminum
Lens Material: Polycarbonate
Mounting: Adjustable Trunnion
Wiring: 20` 16/2 Wiring Harness

Quick Summary

IP67 Waterproof
Dustproof
Shockproof
Vibration and Impact Resistant

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The LEDLB-10R-CPR LED flood light from Larson Electronics is built for tough conditions and heavy duty use. Featuring IP67 rated construction, this LED flood light is waterproof up

to 1 meter, sealed against intrusion by dust and dirt, and tolerant of temperatures -40° C to +85° C. This unit uses ten 5 watt high output CREE LEDs to generate a total of 3,700 lumens while drawing 4.16 amps on a 12 volt system. With a color temperature of 6000K, the 60° beam of this unit simulates natural daylight brightness, providing excellent color rendering and contrasting properties. The LEDLB-10R-CPR provides extreme durability in high stress operating conditions without sacrificing light quality or output and is ideal for commercial and recreational marine applications as well as security and military applications, mining, commercial structure lighting, hunting, ATV vehicles, and manufacturing operations.

Light Features: The LEDLB-10R-CPR flood light from Larson Electronics features ten 5 watt CREE LEDs that generate 3,700 lumens while drawing a total of 50 watts. Chosen for their high lumen per watt ratio and extreme longevity, these CREE LEDs generate a robust 74 lumens per watt effective lumen output, draw 4.16 amps on 12 volts, and has a 70% lumen retention at 50,000 hours. The LEDs in this unit are arranged in rows of 2s and 3s in a circular formation to produce a brilliant and evenly spread 60 flood beam perfect for illuminating work areas. With a color temperature of 6000K, the beam of this unit simulates natural daylight brightness, providing excellent color rendering and contrasting properties.



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Click Photo to Enlarge



Click Photo to Enlarge

With a durable resistant die-cast aluminum housing that is powder coated for corrosion resistance, and a shatterproof polycarbonate lens, the LEDLB-10R-CPR is built to withstand extreme outdoor conditions and heavy duty use. This LED flood light is IP67 rated and waterproof up to 1 meter, sealed against intrusion by dust and dirt, and tolerant of temperatures -40° C to +85° C. Shockproof, vibration and impact resistant construction make the LEDLB-10R-CPR an ideal light unit for workboat, vehicle, and machinery mounting.

The LEDLB-10R-CPR housing incorporates integral cooling fins that release heat away from the LED unit in order to prevent color shifting and premature LED failure, extending its lifespan beyond that of traditional halogen lamps. Rugged, resilient design paired with advanced LED technology give this LED floodlight a virtually maintenance free 50,000 hour rated lifespan.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat

emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Cree Specific: This lamp uses Cree LED units that have been chosen for their high lumen per watt ratio and extreme longevity. These Cree LEDs generate a robust 74 lumens per watt effective lumen output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than traditional light sources.

Mounting:A single stainless steel stud protrudes from the bottom of the mount, enabling the operator to install the light using a simple through-hole mount, allowing the unit to be installed anywhere a 1/2" hole can be drilled.

Power/Wiring/Plug: The LEDLB-10R-CPR is designed to run multiple voltages ranging from 9 to 32 volts DC and draws 4.16 amps at 12V DC. A 20` 16/2 wiring harness is supplied with the fixture.

Applications:ATVs and Off Road Vehicles, Police, Fire and Rescue, Military and Security, Excavators, Dozers, Cranes, Boating and Marine Use

High Quality Features	Superior LED Benefits
1. Low power consumption.	1. 50,000 hour lifespan.
2. Instant on/off operation.	2. Can SAVE 50% or more on energy.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.	3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Superior color rendering compared to HPS, LPS, MH.	4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. Retains 70% lumen output after 50,000 operating hours.	5. 100% recyclable.
6. Powder coated aluminum fixture body.	6. No toxins-lead, mercury.
7. 20` wiring harness included	7. No UV light, infrared radiation or CO2 emissions.
8. Low profile - Light weight	8. Qualifies buildings for LED and other sustainable business certifications.
9. 3,700 Lumen output from only 50 watts	9. Bright, even light maintains consistent color over time.
10. Simple Installation	10. Instant on/off - No flickering, delays or buzzing.
	11. Very good color rendering.
	12. Vibration/impact resistant.
	13. Significantly cooler operation.
	14. Less frequent outages, higher output improves safety.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Product ID: 106317

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

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- **Military Specification Certificate 1**(https://www.larsonelectronics.com//images/product/Milspec1/106317.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com//images/product/Msds/106317.PDF)
- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/106317.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com//images/product/RoHSCert/106317.PDF)
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