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LEDLB-21-3C-R-GRN

LED Green Light Emitter - 7, 3-Watt CREE LEDs - 4.5" OD - Stud Mount - 9-32VDC

Product ID: 154378

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



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.

Specifications / Additional Information

LEDLB-21-3C-R-GRN LED Light Bar

LEDs:7 Edixeon® 3 Watt LED Emitters
Dimensions: 4.5"- OD 4.7"-H 3.25"-D
Watts: 21
Voltage: 9-32V DC
Spot Beam: 725`L x 75`W
Flood Beam: 180`L x 150`W
Weight: 2 lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Flat Surface or Tube - Adjustable
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 1.6 (on 12 volts) .6 (on 24 volts)
LED Light Color: Green
Lumens: 1750
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White

LEDLB LED Features

Edixeon® 3 Watt LED Emitters
LEDs Driven At 80%
-40° C to +80°C Operating Temp Range
70% Lumen Retention @65,000 hours
IP67 Rated Waterproof to 1 meter

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

Buy American Compliant

The Larson Electronics LEDLB-21-3C-R-GRN LED Light Bar offers high

green light output in a light weight, durable, low profile housing combined with versatile mounting and power options. This light produces a very tight spot pattern, can run on any voltage from 9 to 32 volts and provides a rugged lighting solution ideal for use in marine environments, industrial and commercial applications, machine vision system lighting, heavy equipment illumination, vehicle lighting and law enforcement.

The LEDLB-21-3C-R-GRN LED light emitter from Larson Electronics produces a 575` long by 45` wide light beam with 1750 lumens of bright green light while drawing only 21 watts @1.6 amps from a 12 volt electrical system. Seven Edison Edixeon® Emitters containing CREE EZBright® three watt LEDs producing 180 lumens each are paired with high purity 10 degree optics to produce a tightly focused spot beam with limited spread or light spillage. Unlike other LED spots, this unit is not a wide spot. The beam on this fixture is so tight, it resembles the pattern of an HID spot (not distance-wise). This fixture is ideal for anyone who is looking for a tight spot light that offers a outstanding life hours of 50,000+. We also offer optional floodlight versions with 35 degree optics to produce a wider beam spread approximately 80` long by 70` feet wide, making flood versions ideal for use as work and area lights.

These LED light bars are IP67 rated and waterproof to one meter, sealed against intrusion by dust and dirt and ruggedly constructed to withstand demanding environments and applications. The entire Larson Electronics LEDLB series are constructed of extruded aluminum and feature rubber isolated mounts and unbreakable polycarbonate lenses to provide durability and resistance to vibrations, impacts, waves, hard rains, sand and high winds.

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.

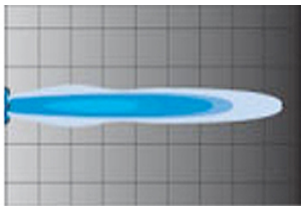
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions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

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Edison Edixeon® Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels. These LEDLB series light bars can operate on current ranging from 9 to 42 VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and stand alone applications such as those found on boats, heavy equipment and vehicles where power systems don`t always operate with 12 volts and external generators, transformers or inverters are impractical.

LEDLB-21-3C-R-GRN 35° Flood Beam (Opt)	**LEDLB-21-3C-R-GRN 10° Spot Beam (Stnd)**





Durability: The LEDLB series of LED light bars from Larson Electronics offer IP67 rated construction that is designed to withstand tough environmental and operating conditions yet are lighter and more compact than our extreme duty E series light bars. These units can operate in temperatures ranging from -40 degrees Celsius to 85 degrees Celsius, are waterproof to one meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum, the hardware is stainless steel and the lenses are unbreakable polycarbonate. The Edixeon® LEDs offer inherent LED resistance to shocks and vibrations, contributing to these units 15.6Grms rating of vibration tolerance. These LEDLB series light bars are ideal for use in marine environments as well as industrial and commercial settings.

Mounting: These LEDLB light bars feature a smaller profile and lighter weight than our LEDLB-E extreme series lights, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. Larson Electronics LEDLB-21-3C-R-GRN light bars are equipped standard with stainless steel u-brackets which slide over the housing and allows users to adjust the light vertically once mounted. The lights are mounted simply by sliding the single mounting stud into pre-drilled or user drilled 1/4" holes and securing the stud with a nylock nut. We also offer a BC-2 bar clamp mounting system you can view here for even greater mounting versatility.

Note: Most Larson Electronics LEDLB, LEDP3W, LEDP10W, and LED10W series LED spotlights and floodlights are terminated with a Deutsch IPD / LADD DT04-2P connector. The mating connector plug is DT06-2S. Most LEDLB and LED10W series lights ship with mating connector as part of a harness or pigtail, depending on the model. Some larger LED lights like the LEDLB-160X2 or LEDLB-200X2 or multiple function LED lights (i.e. high/low beam, modulating, IR/Visible combos) will have different Deutsch connectors.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)


CE
30-0633192







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LEDLB-21-3C-R-GRN

Product ID: 154378

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDLB-21-3C-R-GRN-Finish-Beam Pattern

Example: LEDLB-21-3C-R-GRN-BLK-SP

Finish	
BLACK	-BLK
WHITE	-WHT

Beam Pattern	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **CE Certificate**
- **Military Specification Certificate 1**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**