Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LEDLB-24-RED

LED Light Emitter - 24 LEDs - Red Illumination - 72 Watts - 4230 Lumens - 575'L X 70'W Spot Beam

Product ID: 47038

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.

LEDLB-24-RED LED Light Bar
LEDs: 24 Edixeon® 3 Watt LED Emitters
Dimensions: 8"-L 4.7"-H 3.00"-D
Watts: 72
Voltage: 9-42 VDC
Spot Beam: 575`L x 70`W
Flood Beam: 130`L x 100`W
Weight: 4 Lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Flat Surface or Tube - Adjustable
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 6 (on 12 volts) 3 (on 24 volts)
Lumens: 4,320
LED Light Color: RED
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White
Lux Readings 10` Increments: 10` - 4,450, 20` - 1,175, 30` - 525, 40` - 275, 50` - 182, 60` - 115, 70` - 82, 80` - 62, 90` - 42, 100` - 36, 110` - 30

3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new

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

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

replacement.

Buy American Compliant

The LEDLB-24-RED LED Light Bar offers high light output in a light weight, durable, low profile housing combined with versatile mounting and power options. This IP67 rated LED light bar is waterproof to one meter and produces 4,320 lumens while drawing only 72 watts of power @6 amps from a 12 volt electrical system. This light can run on any voltage from 9 to 42 volts and is configured to produce red colored light only.

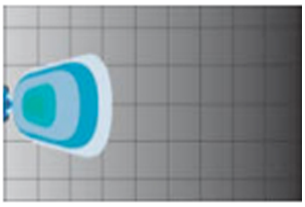
The LEDLB-24-RED LED light bar produces a 575` long by 70` wide light beam with 4,320 lumens of red light that is ideal for low light visibility applications such as hunting and military operations while drawing only 72 watts @6 amps from a 12 volt electrical system. Twenty Four Edison Edixeon® Emitters 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. We also offer optional floodlight versions with 35 degree optics to produce a wider beam spread approximately 300` long by 280` feet wide.
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.
The advantage in colored LED light bars lies in the fact that no lenses are required to change the light color. LEDs can be configured to produce light in only a specific color, allowing the full power of the LED to be projected. Traditional colored lights require a colored lens or filter to produce colored light, which reduces the overall light output as some of the light energy is lost to the colored lens.

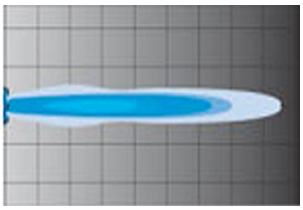


Click Photo to Enlarge Click Photo to Enlarge Click Photo to Enlarge

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 ranging from 9 to 42 VDC. 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-24-RED 35° Flood Beam (Opt)	**LEDLB-24-RED 10° Spot Beam (Stnd)**





Durability: The LEDLB series of LED light bars are lighter and smaller than our LEDLB-E extreme series and offer IP67 rated construction that is designed to withstand tough environmental and operating conditions. 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 series lights, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. Larson Electronics LEDLB series light bars are equipped standard with aluminum mounting blocks which slide within the aluminum housing to allow users to adjust their positioning to match existing or user drilled mounting holes. Each aluminum mounting block has an integrated rubber bushing to absorb vibrations and shocks. To secure the lights in place users simply slide the mounting bolts through the aluminum mounting block and rubber isolator, through the mounting surface, then secure the bolt with a locking nut on the opposite side of the mounting surface. In this LED emitter light bar model, an additional mounting option is provided. The adjustable, shock insulated mounts are attached to a simple, inverted u-bracket type mount. The LED light bar can then be mounted via a single 3/8 bolt through the center of the bracket. We also offer a BC-2 bar clamp mounting system you can view here for even greater mounting versatility.
Note: Most 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.

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Frequently Asked Questions (FAQ)









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LEDLB-24-RED

Product ID: 47038

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDLB-24-RED-Finish-Beam Pattern

Example: LEDLB-24-RED-Black-S

Finish	
BLACK	-Black
WHITE	-White

Beam Pattern	
SPOT	-S
FLOOD	-F

Links (Click on the below items to view):

- CE Certificate
- Dimensional Drawing 2D
- Military Specification Certificate 1
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- Spectrum Curve (Wavelength Graph)
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map