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LEDLB-8ET-RED-110V

24W Red LED Light Emitter w/ Handle - 110VAC - (8) 3-Watt LEDs - 650NM Red Light

Product ID: 148297

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-8ET-RED-110V Red LED Light Bar

LEDs: 8 Edixeon® 3 Watt LEDs
Dimensions: 6.25"L x 3"H x 3.56"D
Watts: 24
Voltage: 110V AC or 9-42 V DC
Weight: 3.4 lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Trunnion Handle
Amps: 2 (on 12 volts) & 1 (on 24 volts)

Wiring: Deutsch IPD / LADD DT04-2P Connector & 6` 16/3 SOOW Cable w/ Wall Plug

Lumens: 1440
LED Light Color: 650Nm - Red Light
LED Life Expectancy: 50,000 Hours

Optics Efficiency: 90%

Materials: Aluminum Housing & Polycarbonate Lens

Housing Colors: Black or White

3 year warranty replacement on this LED light (or LED bulbs for light fixtures with removable LED bulbs). 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 replacement. Please click here to see our 3 Year Warranty pamphlet.

LEDLB LED Features

Edixeon® 3 Watt LEDs
LEDs Driven At 80%
-40°C to +80°C Operating Temp Range
RoHS Compliant
70% Lumen Retention @ 65,000 hours
LED Chip Op Temp -40°C to +125°C
IP68 Rated Waterproof to 3 Meters
CE Certified

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 LEDLB-8ET-RED-110V from Larson Electronics is a LED Light Bar that offers 650Nm (non-infrared) red light output and extreme durability combined with a versatile trunnion handle in order to hold up to desired areas for therapy. This IP67 rated red LED light bar produces a red light beam in the 650 nanometer (NM) range. This light comes standard to run off of a 110V AC wall plug in source, however, operator can remove the transformer allowing the unit to run on any voltage from 9 to 42 volts. This unit is set up as a red led light emitter. Larson Electronics provides 6 feet of SOOW cable so that the LED is able to position itself away from the wall where it receives it`s power.

The LEDLB-8ET-RED-110V 650Nm red LED light bar from Larson Electronics produces 650Nm red light. Eight Edison Edixeon® 3 watt LEDs producing 180 lumens each are arranged in rows and paired with high purity 10 degree optics to produce a tightly focused spot beam 375` long by 70` wide with limited spread or light spillage. We offer optional floodlight versions of this light that have 35 degree optics to produce a wider beam spread and more light over a larger area nearer the fixture. These LED light bars are IP67 rated and waterproof to 3 meters, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications. The entire Larson Electronics LEDLB-E series are constructed of extruded aluminum and feature heavier housings, rubber isolated mounts and unbreakable polycarbonate lenses to provide increased durability. This light is equipped with a trunnion handle which allows user to hold the unit up to desired areas as well as positioning the light at various angles.

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.

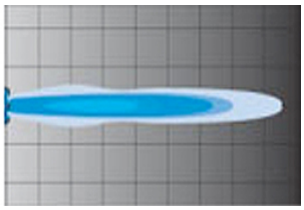
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions 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 come standard with a 110V AC plug in. However, these units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. When the transformer is removed, these LEDLB series light bars can operate on current ranging from 9 to 42V DC without any modifications necessary as a result.

LEDLB-8ET-RED-110V 35° Flood Beam **LEDLB-8ET-RED-110V 10° Spot Beam**





Durability: The LEDLB-E series of LED light bars from Larson Electronics offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. The LED lights with the `E` part number designation are designed for extreme durability and are larger and nearly twice as heavy as their standard counterparts. These units can withstand rapid temperature changes of -40 degrees Celsius to 85 degrees Celsius, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from thick extruded aluminum 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. We recommend these LED lights for high stress - high vibratory conditions, high humidity climates, very cold areas and rough saltwater conditions. They are also well suited to environments where equipment is used in one temperature extreme and stored in another temperature extreme.
Adjustable Mounting: The trunnion handle design on the LEDLB-8ET-RED-110V allows positioning the unit at various angles while holding the unit at desired locations. This means that by loosening 2 thumb bolts located on either side of the light, the operator can adjust the positioning angle of this light 270 degrees. Then he/she would simply have to tighten thumb bolts to lock the angle in place. No tools are required for adjusting angle.
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)



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LEDLB-8ET-RED-110V

Product ID: 148297

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDLB-8ET-RED-110V-Beam Config-Housing Color

Example: LEDLB-8ET-RED-110V-S-Blk

Beam Config	
SPOT	-S
FLOOD	-F

Housing Color	
BLACK	-Blk
WHITE	-Wht

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**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**