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LEDLB-8ET-IR-60V

24 Watt Infrared LED Light Emitter on Trunnion Wall Mount - 8, 3-Watt LEDs - 45-60VDC

Product ID: 146988

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-IR-60V LED IR Light Bar

LEDs: 8 Edixeon® 3 Watt LEDs
Dimensions: 6.25"L x 3"H x 3.56"D
Watts: 24
Voltage: 45-60V DC
Weight: 3.4 lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Trunnnion Bracket
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 0.53 (on 45 volts) 0.4 (on 60 volts)
Lumens: 1440
LED Light Color: 750Nm, 850Nm, or 940Nm Infrared
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 LEDs
LEDs Driven At 80%
-40°C~ +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
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Buy American Compliant

The LEDLB-8ET-IR-60V from Larson Electronics is an LED Light Bar that offers high infrared ouput and extreme durability combined with a versatile trunnion mounting system that provides 270 degrees of adjustability. This IP68 rated IR LED light bar is waterproof to three feet and produces 1,440 lumens of infrared light while drawing only 24 watts

of power @ 0.4 amps from a 60 volt electrical system. This light can run on any voltage from 45 to 60 volts DC and produces an infrared light beam that can only be seen through the use of night vision goggles. 850Nm versions have a very slight red glow around the LED emitters when viewed from a certain angle while 940Nm versions are completely invisible to the naked eye. This light provides an extremely rugged infrared lighting solution that is ideal for use in commercial and industrial security applications as well as military environments.

The LEDLB-8ET-IR-60V LED light bar from Larson Electronics produces a 325` long by 70` wide light beam with 1440 lumens of infrared light. Eight 3 watt Edison Edixeon® Infrared LEDs producing 180 lumens each are arranged in rows and 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 and more light over a larger area nearer the fixture. These infrared LED light bars are IP68 rated and waterproof to 3 feet, 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 against vibrations, impacts, waves, hard rains, sand and high winds.

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 against vibrations, impacts, waves, hard rains, sand and high winds. This light is equipped with a trunnion bracket for mounting. This base allows fast and easy setup of this light on vehicles and equipment.

Click here to view an article on the Generations of Night Vision and Infrared.



Security camera view (no LED emitter bar)

Click Photo to Enlarge



Security camera view with 8 LED IR light

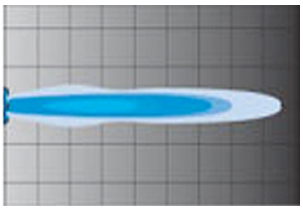
Click Photo to Enlarge

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® LEDs. 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 across a specific range. These LEDLB series light bars can operate on current ranging from 45 to 60V DC without any modifications necessary as a result.

LEDLB-8ET-IR-60V 35° Flood Beam (Opt)	**LEDLB-8ET-IR-60V 10° Spot Beam (Stnd)**





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 mounting design on the LEDLB-8ET allows for post-installation angle positioning. 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. 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.
Measurements:
Taken at 5 feet from the lens.
850nm Spot - 1430 uWatts/cm^2
850nm Flood - 190 uWatts/cm^2
940nm Spot - 940 uWatts/cm^2
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-IR-60V
Product ID: 146988

Warranty: 36 Months

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

Options:
LEDLB-8ET-IR-60V-Beam Pattern-Wavelength-Housing Color
Example: LEDLB-8ET-IR-60V-SP-750NM-BLK

Beam Pattern	
SPOT	-SP
FLOOD	-FL

Wavelength	
750NM	-750NM
850NM	-850NM
940NM	-940NM

Housing Color	
BLACK	-BLK
WHITE	-WHT

Links (Click on the below items to view):

- **CE Certificate**
- **Eye Safety Information/Certificate**
- **Military Specification Certificate 1**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**