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LEDLB-24-IR-M

Infrared LED Light Emitter - 900'L X 100'W Spot Beam - 24, 3-Watt LEDs - Magnetic Mount - 9-42 Volts

Product ID: 47436

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-IR-M Infrared LED Light Bar
LEDs: 24 Edixeon® 3 Watt LEDs
Dimensions: 8"-L x 4.7"-H x 3.00"-D
Watts: 72 Watts
Voltage: 9-42 V DC
Spot Beam: 900'-L x 100'-W
Flood Beam: 300'-L x 280'-W
Weight: 5 lb
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Magnetic Mount
Wiring: 16' Coiled Cord w/ Cigarette Plug
Amps: 6 Amps (on 12 volts); 3 Amps (on 24 volts)
Lumens: 4,320
LED Light Color: 850Nm or 940Nm Infrared
LED Life Expectancy: 50,000 Hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens

LEDLB LED Features
Edixeon® 3 Watt LEDs
LEDs Driven At 80%
-40°C ~ +80°C Operating Temp Range
70% Lumen Retention @ 65,000 hours
IP67 Rated Waterproof to 1 Meter
CE Certified
EN55015 EMI
EN61547 EMS
EN62471 Photobiological Safety

Special Orders - Special Requirements
Contact us for special requirements

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Buy American Compliant

The LEDLB-24-IR-M from Larson Electronics is an Infrared LED Light Bar that offers high infrared light output in a lightweight, durable, low profile housing. A versatile magnetic mounting system provides convenience and secure attachment to vehicles, equipment, and any flat metallic surface.

This IP67 rated infrared LED light bar is waterproof to one meter and produces 4,320 lumens of infrared light 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 produces an infrared light beam that can only be seen through the use of night vision equipment. 850Nm versions have a very slight red glow around the LEDs when viewed from a certain angle while 940Nm versions are completely invisible to the naked eye.

Click here to see the LED version of this

The LEDLB-24-IR-M LED light bar from Larson Electronics produces 4,320 lumens resulting in a 900' long by 100' wide infrared light beam while drawing only 72 watts @ 6 amps from a 12 volt electrical system. Twenty Four Edison Edixeon® 3 watt infrared 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 infrared light beam approximately 300' long by 280' feet wide. These infrared LED light bars are IP67 rated, 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 is 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. This infrared light is equipped with a 200 lb grip magnetic mount base and a 16 foot coil cord ending in a cigarette plug connector. This magnetic base mounting allows fast and easy setup of this light on vehicles and equipment and will hold the fixture in place at speeds up to 80mph provided the mount is properly affixed and secure.

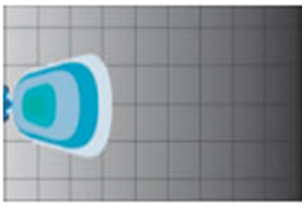
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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.

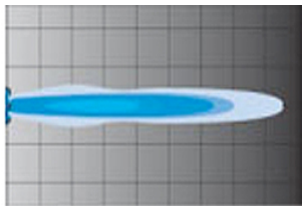
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions 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 infrared 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 ranging from 9 to 42 V DC. These LEDLB series light bars can operate on current ranging from 9 to 42 V DC 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-IR-M 35° Flood Beam **LEDLB-24-IR-M 10° Spot Beam**





Durability: The LEDLB series of LED light bars from Larson Electronics 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 unit's 15.6Grms rating of vibration tolerance. These infrared LEDLB series light bars are ideal for use in law enforcement, security and military applications requiring a covert source of IR illumination.
Mounting: The 200 lb grip magnetic mount on the LEDLB-24-IR-M allows for easy fixture placement and removal. This mounting system includes a 16 ft coiled power cord with a cigarette plug connector which makes this unit ideal for vehicle and equipment lighting applications where the unit can simply be attached or removed as needed. Please note, the magnetic base on this unit increases the unit's overall height.
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)

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LEDLB-24-IR-M

Product ID: 47436

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDLB-24-IR-M-Beam Pattern-Wavelength-Housing Color

Example: LEDLB-24-IR-M-S-750nm-BLK

Beam Pattern	
SPOT	-S
FLOOD	-F

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

Housing Color	
BLACK	-BLK
WHITE	-WHT

Links (Click on the below items to view):

- **CE Certificate**
- **Dimensional Drawing 2D**
- **Eye Safety Information/Certificate**
- **Military Specification Certificate 1**
- **MSDS (Material Safety Data Sheet**
- **Operations Manual**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **SpecSheetArabic**
- **SpecSheetFrench**
- **Spectrum Curve (Wavelength Graph)**
- **STEP File (3D CAD Model)**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**