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LEDLB-24ET-IR-M

72W Infrared LED Light - 24 LEDs - Magnetic Trunnion Mount - IP68 Rated

Product ID: 148064

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-24ET-IR-M LED Infrared LED Light Bar

LEDs: 24 Edixeon® 3 Watt IR LEDs
Dimensions (Light Head): 8.25"L x 5.27"H x 3.57"D
Watts: 72
Voltage: 9-42V DC
Spot Beam: 900`L x 100`W
Flood Beam: 300`L x 280`W
Weight: 7.75 lbs
Lighting Configuration: 10° Spot or 35° Flood
Amps: 6 Amps on 12 Volts, 3 Amps on 24 Volts
Mounting: Adjustable Magnetic Trunnion Bracket
Wiring Options: 16` Cigarette Coil, 16` Cigarette, 21` Ring Terminals, 16` Battery Clamps, 16` Flying Leads
Lumens: 4320
LED Light Color: Infrared - 850Nm or 940Nm
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 IR 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 +110°C
IP68 Rated Waterproof to 3ft
CE Certified

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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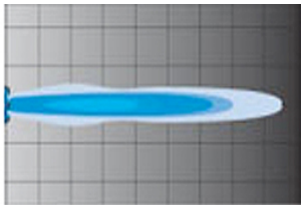
The LEDLB-24ET-IR-M from Larson Electronics is an Infrared LED Light Bar that offers high infrared light output and extreme durability combined with a

versatile magnetic trunnion mounting system that provides 270 degrees of adjustability. This IP68 rated infrared LED light bar is waterproof to three feet and produces a 4,320 lumen infrared light beam 900` long by 100` wide light 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.
The LEDLB-24ET-IR-M infrared LED light bar from Larson Electronics produces light in the infrared 850Nm or 940Nm end of the light spectrum depending upon the version selected. In spot configuration, this infrared LED light bar produces a 900` long by 100` wide infrared beam of light with a tight focus and moderate beam spread. In flood configuration, this infrared LED light produces a wide spread infrared beam concentrated much closer to fixture. Twenty-four Edison Edixeon® 3 watt 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 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 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 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 mounting bracket that allows operators to adjust the light fixture through 270 degrees of movement.

LEDLB-24ET-IR-M 35° Flood Beam



LEDLB-24ET-IR-M 10° Spot Beam



The light terminates with a short pigtail with Deutsch connector. This light can also be ordered in 10 degree spot mode for a longer, tighter more concentrated light beam or 35 degree flood mode to produce a wider beam spread closer to the unit.
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® 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 9 to 42V DC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and standalone 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.
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 designationare are designed for extreme durability and are larger and heavier than the standard LEDLB series lights and are 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 feet 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.



16ft Coil Cord w/Cigarette Plug
Click Images to Enlarge



21ft Cord with Ring Terminals



16ft Cord w/Battery Clamps



16ft Cord with Cigarette Plug

Wiring: Each light comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin Deutsch connector which easily and securely attaches and detaches the coil cord from the spotlight. Other cords, including 21 foot cords with ring terminals (C-21RT), 16 foot cord with spring battery clamps (alligator clips) (C-16BC) and a 16 foot straight cord with cigarette plug (C-16CP) are available. This light can be ordered in either 12 volt or 24 volt configuration, allowing it to be used with any vehicle or ATV equipped with a cigarette plug. Choose voltage below when ordering.
Mounting: The magnetic trunnion mounting design on the LEDLB-24ET-IR-M allows for post-installation angle positioning. This means that by loosening two 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. The LEDLB-24ET-IR-M can be quickly and easily mounted on any flat magnetic surface.
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-24ET-IR-M
Product ID: 148064

Warranty: 36 Months

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

Options:
LEDLB-24ET-IR-M-Wavelength-Beam Config-Cord
Example: LEDLB-24ET-IR-M-850NM-SP-16CP.CC

Wavelength	
850NM	-850NM
940NM	-940NM

Beam Config	
SPOT	-SP
FLOOD	-FL

Cord	
16 CIG COIL	-16CP.CC
16 CIG	-16CP
21 RING TERMS	-21RT
16 BATT CLAMPS	-16BC
16 FLYING LEADS	-16.PIGTAIL

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
- RoHS Certificate (Restriction of Hazardous Substances)
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map