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LEDLB-24-M

Magnetic Mount LED Light Emitter - 24, 3-Watt LEDs - 200lb. Grip Magnet - 900'L X 100'W Spot Beam

Product ID: 47365

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-M 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
Weight:5 Lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Magnetic Mount
Wiring:16` coiled cord w/ Cigarette Plug
Amps: 6 (on 12 volts) 3 (on 24 volts)
Lumens: 4,320
LED Light Color: 6000K
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
Spot Beam: 900`L x 100`W
Flood Beam: 300`L x 280`W

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
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replacement.

Buy American Compliant

The Larson Electronics LEDLB-24-M LED Light Bar offers high light output in a light weight, durable, low profile housing combined with a versatile magnetic mounting system that provides convenience and secure attachment to vehicles, equipment and any flat metallic surface. This light can run on any voltage from 9 to 42 volts and provides a versatile lighting solution that is ideal for use in military and law enforcement applications as well as industrial and commercial operations.

The LEDLB-24-M LED light bar from Larson Electronics produces a 900` long by 100` wide light beam with 4,320 lumens of bright light 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, making flood versions ideal for use as work and area lights.
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. This light is equipped with a 200lbs 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.



LEDLB-24 unit illuminating open field with sign 800` away

Click Photo to Enlarge



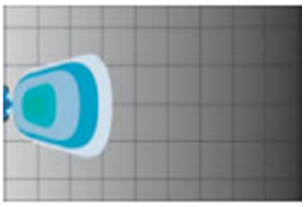
Close up on the sign. Actual beam reaches farther than the sign 800` away

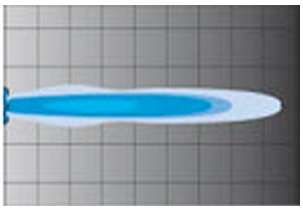
Click Photo to Enlarge

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-M 35° Flood Beam (Opt)

LEDLB-24-M 10° Spot Beam (Stnd)





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 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: The 200lbs grip magnetic mount on the LEDLB-24-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.

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Frequently Asked Questions (FAQ)

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LEDLB-24-M

Product ID: 47365

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

Options:

LEDLB-24-M-Finish-Beam Pattern-Color Temp

Example: LEDLB-24-M-Black-S-6000k

Finish	
BLACK	-Black
WHITE	-White

Beam Pattern	
SPOT	-S
FLOOD	-F

Color Temp	
6000K	-6000k
4500K	-4500k
3000K	-3000k

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)**
- **SpecSheetArabic**
- **SpecSheetFrench**
- **STEP File (3D CAD Model)**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**