Larson Electronics LLC
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ML-LEDLB-4R

ML-LEDLB-4R - Magnetic Base - 2-pin Deutsch connector - Aluminum Housing - 12 Watts - 800 Lumens

Product ID: 71361

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.

ML-LEDLB-4R LED Light Bar
LEDs: 4 Edixeon® 3 Watt LED Emitters
Dimensions: 4"-L3"-H 3.56"-D
Watts: 12
Voltage: 9-42 VDC
Weight: 2.4 Lbs
Lighting Configuration: 10° Spot or35° Flood
Mounting: Adjustable Trunnion With Magnetic Base
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 1 (on 12 volts) .5 (on 24 volts)
Lumens: 800
LED Light Color: 6000K or 3000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White
Lux-Flood : @Lens: 185,800 @ 1 Meter 2,672
Lux-Spot : @Lens: 190,400 @ 1 Meter 8,440

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 replacement.

LEDLB LED Features
Multiple Color Options
Edixeon® 3 Watt LED Emitters
LEDs Driven At 80%
-40 C~ +80C Operating Temp Range
RoHS Compliant
70% Lumen Retention @65,000 hours
LED Chip Op Temp -40C to +125C
IP68 Rated Waterproof to 3 meters
CE Certified

Special Orders - Special Requirements
Contact us for special requirements
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Buy American Compliant

The Larson Electronics ML-LEDLB-4R LED Light Bar offers high light output and extreme durability combined with a versatile magnetic trunnion mounting system with 200 lbs of gripping power provides convenience and 150 degrees of adjustability. This IP68 rated LED light bar produces 800 lumens of pure white light while using 12 watts and drawing only 1 amp at 12 volts with its 2-pin Deutsch connector . We offer the MR-LEDLB-4R in two different infrared types (Infrared850 and Infrared940), five colors(Amber, Blue, Green, Red, and White) and two UV types (UV 365 and UV 395). This light is ideal for use in commercial environments and industrial applications such as machine vision system lighting, heavy equipment illumination, blasting lighting and mining operations.

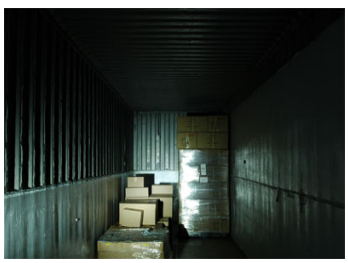
The ML-LEDLB-4R LED light bar from Larson Electronics produces a bright light beam with 800 lumens. Four Edison Edixeon® Emitters containing CREE EZBright® three watt LEDs producing 200 lumens each are arranged in rows and paired with high purity 10 degree optics to produce a tightly focused spot beam 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, making flood versions ideal for use as work and area lights. These LED light bars are IP68 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 against vibrations, impacts, waves, hard rains, sand and high winds. This light is equipped with a 200lbs grip magnetic mount base and 16 foot coil cord ending in a cigarette plug connector. This magnetic base allows fast and easy setup of this light and will hold the fixture in place at speeds up to 85mph provided the mount is properly affixed and secure.

This image shows a dark street, illuminated by nothing but distant street lamps and suburban lighting.
Click Photo to Enlarge

The same street illuminated with the ML-LEDLB-4R
Click Photo to Enlarge

Click Photo to Enlarge
The Red Option



Click Photo to Enlarge
53" Container with White

Click Photo to Enlarge
The ML-LEDLB-4R



Click Photo to Enlarge
53" Container with Amber

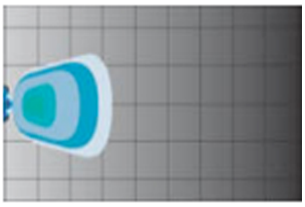
Click Photo to Enlarge
The Blue Option

Click Photo to Enlarge
53" Container with Red

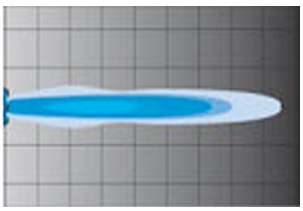
*We have had excellent feedback from our customers. These units are also ideal for use in manufacturing and industrial operations as machine lighting where severe vibration and excessive amounts of dirt and grime may be encountered.

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 across a specific range. These LEDLB series light bars can operate on current ranging from 9 to 42VDC 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 commercial boats, heavy equipment and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

ML-LEDLB-4R 35° Flood Beam (Opt)



ML-LEDLB-4R 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, and very cold conditions. They are also well suited to environments where equipment is used in one temperature extreme and stored in another temperature extreme.
Adjustable Magnetic Mounting: The 200 lbs magnet and trunnion mounting design on the ML-LEDLB-4R allows for easy fixture placement and post-placement 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 150 degrees. Then the operator would simply have to tighten thumb bolts to lock the angle in place. No tools are required for adjusting angle. This mounting system 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 units 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. You can view the Deutsch Connector technical details here.

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Frequently Asked Questions (FAQ)







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ML-LEDLB-4R

Product ID: 71361

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

ML-LEDLB-4R-Beam Color-Beam Config-Cord Type

Example: ML-LEDLB-4R-AMB-S-16CP

Beam Color	
AMBER	-AMB
BLUE	-BLU
WHITE	-WHT
RED	-RED
GREEN	-GR
INFRARED850	-IR850
INFRARED940	-IR940
UV 395	-UV395

Beam Config	
SPOT	-S
FLOOD	-F

Cord Type	
16 CIG PLUG	-16CP
16 STRAIGHT CORD	-16SC
21 RING TERMINAL	-21RT
21 BATTERY CLAMPS	-21BC

Links (Click on the below items to view):

- **CE Certificate**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**