

LEDLB-2S-IR-MHL

6 Watt Military Infrared LED Driving Light - 9-42V - Covert IR LED - High/Low Beam Combo

Product ID: 70341

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-2S-IR-MHL Infrared LED Driving Light

Lamp Type: Infrared LED

Dimensions: 4"W 2.75"-H 2.5"-Depth

Watts: 6

Led Drive %: 80%

Voltage: 9-42 VDC

Lighting Configuration: 10° High Beam / 35° Low Beam

Mounting: Adjustable U-Bracket

Wiring: Deutsch IPD / LADD DT04-2P connector

Amps: 0.5 (on 12 volts) 0.26 (on 24 volts)

LED Light Color: Infrared 850nm or 940 Nm

LED Life Expectancy: 50,000 hours

Optics Efficiency: 90%

Materials: Aluminum Housing, Polycarbonate Lens

Weight: 26 Ounces

Housing Colors: Black or White

LEDLB-2S-IR-MHL Features

Seoul Z-Power LED

Low Amp Draw

Small Size

50,000 Hour Service Life

Shock Vibration Resistant

Ambient Op Temp -45C to 85C

Multi-Unit Connectable

IP68 Rated*

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

CE Certified

EN55015 EMI

EN61547 EMS

EN62471 Photobiological Safety

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.

[*Click here to learn about IP ratings.](#)

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The LEDLB-2S-IR-MHL LED is an ultra compact and powerful infrared LED tail light that projects a 840nm or 940nm infrared beam for covert operations. This IR LED headlight includes two high powered 3 watt LED emitters potted into an aircraft grade aluminum chassis that is designed to protect the LED and dissipate heat. This infrared military headlight produces a beam that can only be seen through the use of night vision goggles or equipment.

The value in this IR LED fixture is in the power and form factor. At 4 inches wide by 2 inches tall, by 2.5 inches deep, this fixture draws only a 1/2 amp on 12 volts and puts out an infrared beam only visible through night vision equipment. You can mount these just about anywhere traditional lights won't fit. This headlight set is comprised of two LED units with high purity 10 degree optics to produce a tightly focused high beam and 35 degree optics to produce a wider low beam spread. Separate power leads allow operators to power on the high and low beams separately. These lights are ideal for use as driving lights on vehicles where covert operations require the ability to run vehicles under blacked out conditions, yet maintain their visibility to friendly personnel through the use of night vision equipment. This set will work for the driver's or passenger's side driving lamps. These LEDLB series LED lights are waterproof to 3 meters, sealed against intrusion by dust and dirt, and very ruggedly constructed to withstand the most demanding environments, conditions and applications. A small profile, low power requirements, high durability and versatile mounting makes these LED lights ideal for commercial use as well as a wide array of applications including but not limited to: military, industrial manufacturing, machine visioning and non destructive testing, security and law enforcement, and boating.

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 design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Seoul Z-Power 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 adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LEDLB series LED lights 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 standalone 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.

LEDLBW-2S 35° Low Beam

LEDLB-2S 10° High Beam



Durability: These LED light bars from Larson Electronics also offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand frigid temperatures, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum, the mounting hardware is stainless steel and the lenses are unbreakable polycarbonate. The solid stated design of these LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

Mounting: Suspended on top of an adjustable bracket, this LED light can be adjusted and tightened into any position to suit your application.

Note: We include a short male plug with 2 wires, stripped and tinned for connection to leads from a power source with the LED10W-1S (i.e. vehicle system, battery, etc.). Most of our 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, LEDP10W 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.

[Looking for more options? Click here to see our full range of Infrared LED Lights.](#)



Frequently Asked Questions (FAQ)









LEDLB-2S-IR-MHL

Product ID: 70341

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDLB-2S-IR-MHL-Wavelength-Orientation

Example: LEDLB-2S-IR-MHL-940NM-LH

Wavelength	
940NM	-940NM
850NM	-850NM

Orientation	
LEFT HEADLIGHT	-LH
RIGHT HEADLIGHT	-RH

Links (Click on the below items to view):

- [CE Certificate](#)
- [Eye Safety Information/Certificate](#)
- [Military Specification Certificate 1](#)
- [MSDS \(Material Safety Data Sheet](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [Spectrum Curve \(Wavelength Graph\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)