

LEDLB-24-SAE

72 watt - 24 LED - SAE cord

Product ID: 46777

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.

**LED Light Emitter - 24 LEDs - 72 Watts - 900`L X 100`W Beam - 4320 Lumens - 9-32 Volts – Produces Infrared Light
Part Number: LEDLB-24-IR-850**

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LED Light Bar contains 24 3-watt high powered LEDs providing 72 watts of LED light power, producing 4320 Lumens of output. This LED light emitter bar light runs on any voltage ranging from 9 Volts to 32 Volts.

The LEDLB-24-850 emitter produces an infrared light beam (non-visible) in the 850nm or 940nm (customer's choice) range. Night vision equipment is required to make use of the emitter light. The projected distance of the infrared light is the same as that of the visible beam. We do not filter the visible light with a cut off filter, instead we package 850nm or 940nm LEDs within the array to produce the infrared light. With properly tuned night vision equipment, visibility should meet or exceed the visible range.

The wiring harness terminates in a 2 pin Deutsch connector socket. A male Deutsch connector with a 2 wire pigtail is included. The operator will splice the pigtail into an existing harness or wire the unit to the power source.

This LED light emitter bar light runs on any voltage ranging from 9 Volts to 32 Volts. These LED lights will sense the incoming voltage and adapt accordingly.



The www.larsonelectronics.com LED emitter light bar uses a patent pending LED and reflector combination to provide a high powered, projected light source for vehicles, perimeter management and security applications. Each LED is combined with its own reflector. The material composition and angle of the reflector, paired with the positioning and angle of the LED create a wide spot beam, which is unusual for a LED array, which typically produce short flood patterns. As a result, this LED light produces a projected beam which is more consistent with spotlights.

Each IR LED light is manufactured with an extruded aluminum housing, machined aluminum mounts and stainless steel hardware for strength, durability and weather resistance.



These LED Light Emitters come standard with flat surface mounts with rubber shock isolators. These isolators are bolted to a single stainless steel bracket that offers the operator a single stud mount. The operator simply drills a 3/8 inch through hole in the mounting surface or bracket and passes the bolt through. A nylock style nut secures the bolt. Our optional BC-2 bar clamp mount offers a 3/8 inch center hole to accommodate this mounting option as

the bolt. Our optional BC-2 bar clamp mount offers a 3/8 inch center hole to accommodate this mounting option as well. The BC-2 bar clamp mount for more versatile mounting options on horizontal and vertical rails, pipes, conduit, etc. [Click here to learn more about our BC-2 bar clamp mount system.](#)

All of our LED emitter bars are IP 67 rated, being both waterproof and dust proof.

This LED light emitter bar is unique because of the patent pending technology that pairs a reflector with each LED. Typically LEDs are mounted against a surface and "glow". This glow is often effective at close range, but the light energy drops off rapidly. By pairing each LED with a reflector, the emitted light energy is concentrated and projected outward, so that the "drop off" in light energy does not occur until much greater distances. Like all reflector technology, the amount of light energy projected is directly related to the shape and material of the reflector, as well as the thickness and composition of the lens. Because this LED light bar clusters the LED/reflectors together, the light pattern is both wide and long. This LED light bar emitter produces a wide spot pattern (or a modified spot pattern) which falls in between a narrow spot and a flood pattern. This particular 24 LED model produces a beam that is 900 feet long and 100 feet wide.

This 8 inch wide bar produces 4320 lumens with quantity 24 of 3 Watt LEDs, while drawing only 6 amps on 12 volts (3 amps on 24 volts) and offering a 50,000 hour life span.

Each light bar is manufactured with stainless steel and aluminum for strength and durability. The light bar measures 8 inches long, 4 inches tall and 2.75 inches deep.

SPECIFICATIONS:

Length: 8 inches

Height: 4 inches

Depth: 2.75 inches

LEDs: 24

LED Watts: 3

Total Watts: 72

Volts: Operates on 9-32 Volts (includes 12 and 24 volts)

Amp Draw: 6 (on 12 volts) 3 amps (on 24 volts)

Lumens: 4230

LED Light Wavelength: 850nm or 940nm

Housing Color: black or white

LUX Measurements: In **FLOOD**

At The Lens: 193,300

At 1 Meter: 3,370

Lens Temperature: 79 Degrees F

BENEFITS:

Low amp draw with directed beam

50,000+ hour life

Small form factor

Simple mounting system

Aluminum Housing and stainless hardware ideal for any environment

Most Larson Electronics LEDLB 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. You can review the technical details [here](#). 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.

3 year warranty replacement on this LED light (or LED bulbs for light fixtures with removable LED bulbs). 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.

EN61547 EMS

EN62471 Photobiological Safety



Frequently Asked Questions (FAQ)









LEDLB-24-SAE

Product ID: 46777

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDLB-24-SAE-Cord Length

Example: LEDLB-24-SAE-50

Cord Length	
50	-50
75	-75
120	-120

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 \(Restriction of Hazardous Substances\)](#)
- [STEP File \(3D CAD Model\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)