

## LEDLB-8E-F-M-1227

**LED Machine Light - 200lb. Magnetic Mount - 100'L X 85'W Beam - 24 Watt - Runs Off 110VAC**

**Product ID: 149732**

**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-8E-F-M-1227 LED Light Bar

**LEDs:** 8 Edixeon® 3 Watt LED Emitters

**Dimensions:** 6.25"-L 3"-H 3.56"-D

**Watts:** 24

**Voltage:** 110 with included transformer- 9-42 VDC Without transformer

**Weight:** 3.8 Lbs

**Lighting Configuration:** 10° Spot or 35° Flood

**Mounting:** 200lbs Magnetic Mount

**Wiring:** Deutsch IPD / LADD DT04-2P connector

**Amps:** 2 (on 12 volts) 1 (on 24 volts)

**Lumens:** 1440

**LED Light Color:** 6000K

**LED Life Expectancy:** 50,000 hours

**Optics Efficiency:** 90%

**Materials:** Aluminum Housing, Polycarbonate Lens

**Housing Colors:** Black or White

**Lux-Spot :** @Lens: 188,900 @ 1 Meter 12,860

### CE Certified

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

RoHS Compliant

70% Lumen Retention @65,000 hours

LED Chip Op Temp -40C to +125C

Light - IP68 Rated Waterproof to 3 meters

### 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](mailto:sales@larsonelectronics.com)

replacement.

### Buy American Compliant

**The Larson Electronics LEDLB-8E-F-M-1227 LED Light Bar offers high light output and extreme durability combined with a versatile magnetic mounting system. This LED light emitter bar light runs on 110VAC provided by an included inline power transformer. The 110 VAC capability of this light provides an extremely rugged lighting solution that is ideal for use in industrial and manufacturing applications such as machine vision system lighting, industrial machining illumination, blasting lighting and mining operations.**

The LEDLB-8E-F-M-1227 LED light bar from Larson Electronics produces a 100` long by 85` wide light beam with 1440 lumens of bright light. We also offer an optional spot lens with a 325` long by 70` wide beam. Eight Edison Edixeon® Emitters containing CREE EZBright® three watt 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. This light shipped as a floodlight 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. This LED work light can be made as a spotlight with a 10 degree optics to produce a tighter and more narrow spot beam. 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-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 magnetic base allows fast and easy setup of this light on vehicles and equipment and will hold the fixture in place at speeds up to 80 mph provided the mount is properly affixed and secure.

[Click Photo to Enlarge](#)

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[Click Photo to Enlarge](#)

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 LEDLB-8E-F-M-1227, easily reaching distances of 90` in length and 70` in width. .

[Click Photo to Enlarge](#)

This LED light emitter bar light is designed to run on any voltage ranging from 9 Volts to 42 Volts. However, with our new integrated inline transformer design, the fixture can now be operated with standard 110 VAC power found in standard wall outlets. Essentially, this means the operator can use this LED light bar anywhere a wall plug in is available or, by disconnecting the step down transformer, he/she can power this LED light emitter bar from any vehicle, equipment, ATV or boat electrical system. You do not need to anything special to operate these light bars in their multi-voltage 9-32 Volt configuration. They will sense the incoming voltage and adapt accordingly.

This unit is also shipped with 6` of additional SOOW cord, for a combined total length of 11` from the converter to the fixture. In this particular light, a step down transformer converts the original 110 Volt current into 12 volts to

accommodate the fixture. If operator decides he/she would like to run off 9 - 42 VDC, all he/she has to do is disconnect from said transformer.

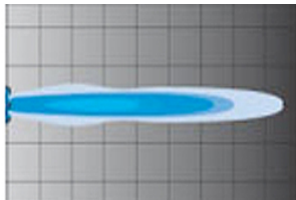
**Heat Management:** Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating 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 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.

**LEDLB-8E-F-M-1227 35° Flood Beam  
(Std)**



**LEDLB-8E-F-M-1227 10° Spot Beam  
(Opt)**



**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, 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.

**Magnetic Mounting:** The 200 lbs magnet mounting design on the LEDLB-4E-M allows for easy fixture placement and removal. This mounting system includes a 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 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.

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## Frequently Asked Questions (FAQ)

**LEDLB-8E-F-M-1227**

**Product ID: 149732**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**LEDLB-8E-F-M-1227-Cord Cap-Beam Config-Color Temp**

**Example:** LEDLB-8E-F-M-1227-5.15-SP-60K

| Cord Cap      |          |
|---------------|----------|
| 5-15 STRAIGHT | -5.15    |
| 6-15 STRAIGHT | -6.15    |
| L5-15 TWIST   | -L5.15   |
| L6-15 TWIST   | -L6.15   |
| UK BS1363     | -BS1363  |
| INTL SCHUKO   | -Schuko  |
| PIGTAIL       | -Pigtail |

| Beam Config |     |
|-------------|-----|
| SPOT        | -SP |
| FLOOD       | -FL |

| Color Temp |      |
|------------|------|
| 6000K      | -60K |
| 3000K      | -30K |

Links (Click on the below items to view):

- [CE Certificate](#)
- [Military Specification Certificate 1](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)