

**Visible/Infrared LED Light Emitter - 200 IR LEDs - 600 Watts - 750/850/940NM - 9-42VDC - 50X4 LEDs**

Part #: LEDLB-200X2E-VIR

**Buy American Compliant**

The Larson Electronics LEDLB-200X2E-VIR Visible and Infrared Combination LED Light Bar offers high light output and extreme durability combined with versatile mounting and power options. This IP68 rated infrared LED light bar is waterproof to three meters and produces a combination light beam of visible and infrared light in the 750NM, 850NM or 940NM wavelengths. This light can run on any voltage from 9 to 42 volts and provides an extremely rugged infrared lighting solution that is ideal for use in commercial and industrial security applications as well as military environments.

[Click here to see the LED version of this](#)

The LEDLB-200X2E-VIR LED light bar from Larson Electronics produces a 2,600` long by 540` wide visible/infrared light beam while drawing only 600 watts @50 amps from a 12 volt electrical system. One hundred 3 watt Edison Edixeon® emitters producing 180 lumens each and one hundred infrared emitters 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 infrared light over a larger area nearer the fixture. These infrared 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.

This specially configured LED emitter is designed to produce visible white light and infrared light. This LED bar uses two separate wiring harnesses that enable the operator to power the white array (top two rows of LEDs) and the infrared array (bottom two rows of LEDs) separately. This enables the operators to switch from visible white light to IR light without leaving the vehicle via a switch.

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.



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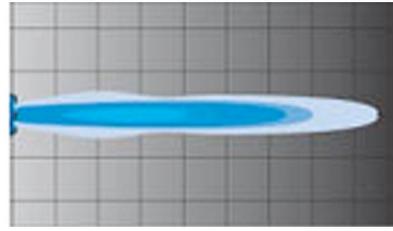
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**Heat Management:** Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum 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-200X2E-VIR 35° Flood Beam  
(Opt)**

**LEDLB-200X2E-VIR 10° Spot Beam  
(Std)**



**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 feet 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 15.6Grams 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.

[Click here to view an article on the Generations of Night Vision and Infrared.](#)

**Mounting:** Larson Electronics LEDLB series light bars are equipped standard with aluminum mounting blocks which slide within the aluminum housing to allow users to adjust their positioning to match existing or user drilled mounting holes. Each aluminum mounting block has an integrated rubber bushing to absorb vibrations and shocks. To secure the lights in place users simply slide the mounting bolts through the aluminum mounting block and rubber isolator, through the mounting surface, then secure the bolt with a locking nut on the opposite side of the mounting surface. This mounting system enables mounting to flat or round surfaces and allows for minimal 7 degrees of flexibility of angle placement of the light. In this LED emitter light bar model, an additional mounting option is provided. The adjustable, shock insulated mounts are attached to a simple, inverted u-bracket type mount. The LED light bar can then be mounted via a single 3/8 bolt through the center of the bracket. We also offer a BC-2 bar clamp mounting system [you can view here](#) for even greater mounting versatility.

**Note:** LEDLB-200X2E-VIR LED bars come standard with Amp Connectors instead of the Deutsch connector commonly found on various Larson Electronics LED emitters.

**Specifications / Additional Information****LEDLB-200X2E-VIR LED Light Bar**

**LEDs:** (200) Edixeon® 3 Watt LED Emitters - (100) Visible & (100) Infrared

**Dimensions:** 52.2"-L 5.25"-H 3.56"-D

**Watts:** 600

**Voltage:** 9-42 VDC

**Spot Beam:** 2600`L x 540`W

**Flood Beam:** 900`L x 800`W

**Weight:** 46.5 Lbs

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

**Mounting:** Inverted U Bracket

**Wiring:** Amp Connectors

**Amps:** 50 (on 12 volts) 25 (on 24 volts)

**Lumens:** 36,000

**Wavelength:** 750Nm, 850Nm or 940Nm Infrared

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

**Optics Efficiency:** 90%

**Materials:** Aluminum Housing, Polycarbonate Lens

**Housing Colors:** Black or White

**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 replacement.

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[Part #: LEDLB-200X2E-VIR \(64367\)](#)

**LEDLB LED Features**

Edixeon® 3 Watt LED Emitters

Combination Visible & Infrared Light

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

**Special Orders- Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-498-3363

**E-mail:** sales@larsonelectronics.com

Options:

LEDLB-200X2E-VIR- HOUSING COLOR - BEAM PATTERN - IR WAVELENGTH

Example: LEDLB-200X2E-VIR-BLK-S-750NM

HOUSING COLOR		BEAM PATTERN		IR WAVELENGTH	
Black	-BLK	Spot	-S	750NM	-750NM
White	-WHT	Flood	-F	850NM	-850NM
				940NM	-940NM

Links (Click on the below items to view):

- [SpecSheet French](#)
- [SpecSheet Arabic](#)
- [Manual](#)
- [SpectrumChart](#)