Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LEDLB-24-VISREDBLUE

LED Light Emitter - 12 Red LEDs, 12 Blue LEDs - 72 Watts - 800'L X 100'W Spot Beam - 9-42VDC

Product ID: 64294



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-24-VISREDBLUE
Lamp Type: 24 3 Watt LED Emitters
Dimensions:8.25 "-L 5.25 "-H 3.56"-D
Watts: 72
Voltage: 9-46 VDC
Weight: 7.75 Lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Trunnion Bracket
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 6 (on 12 volts) 3 (on 24 volts)
LED Light Color: Red & Blue Combo
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White

LEDLB LED Features
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- Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Buy American Compliant

The LEDLB-24-VISREDBLUE LED emitter light from Larson Electronics contains 24, 3-watt high powered LEDs providing 72 watts of LED light power. The unit uses 12 Red LEDs and 12 Blue LEDs to produce the half red and half blue light beam. This dual LED light emitter bar light runs on any voltage ranging from 9 Volts to 42 Volts. This LED light emitter produces a visible beam of light that is 500 feet long and 100 feet wide with high luminosity.

This specially configured LED emitter is designed to produce visible white light and visible blue light. The wiring harness includes separate power leads that enable the operator to power the red array (top 2 rows of LEDs) and the blue array

(bottom 2 rows of LEDs) separately. The red and blue array share a single ground and use a DTP-06-3S. This enables the operator to switch from visible red light to the blue tracking light without leaving the safety of the vehicle via a 3 position switch.
This LED light emitter bar runs on any voltage ranging from 9 to 42 Volts DC. All of our LED emitter bars are IP 68 rated, being both waterproof and dust proof. This 8 inch wide bar 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.



Click Photo to Enlarge



Click Photo to Enlarge

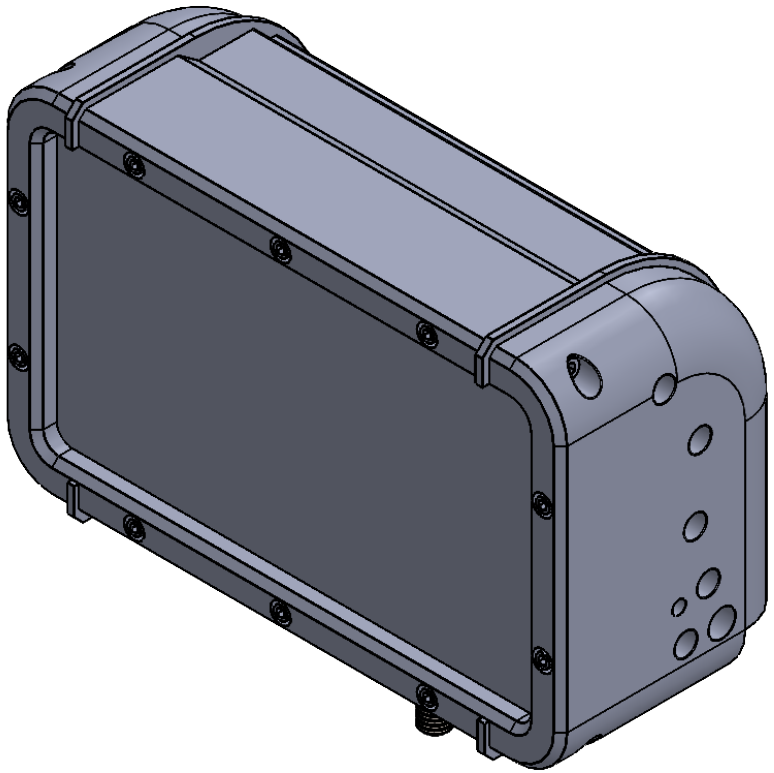
The Larson Electronics.com LED emitter light bar uses a patent pending LED and reflector combination to provide a high powered, projected light source for vehicles, heavy equipment and security applications. Each LED is combined with its own reflector. The material composition and angle of the reflector, 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. This 24 LED light produces a more focused, directed beam.

Each light bar 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 aluminum supports with rubber shock isolators. The adjustable, shock insulated mounts are attached to a simple u-bracket type mount. The LED light can be mounted via a single 3/8 bolt at the center of the bracket that can be passed through a hole in the mounting surface or bracket.
Our optional BC-2 bar clamp mount offers a 3/8 inch center hole to accommodate this mounting option as well. We offer 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.
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 500 feet long and 100 feet wide.

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.

8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.



LARSON ELECTRONICS

PART NUMBER:

LEDLB-24E

SIZE		REV
A		1

SCALE: NTS | SHEET 1 OF 2

DIMENSIONS ARE IN INCHES

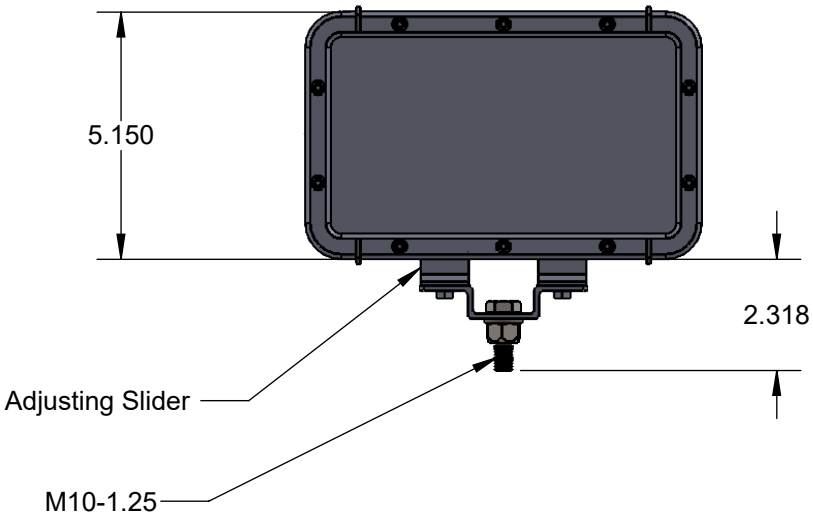
DO NOT SCALE DRAWING | DATE | 11/16/2021

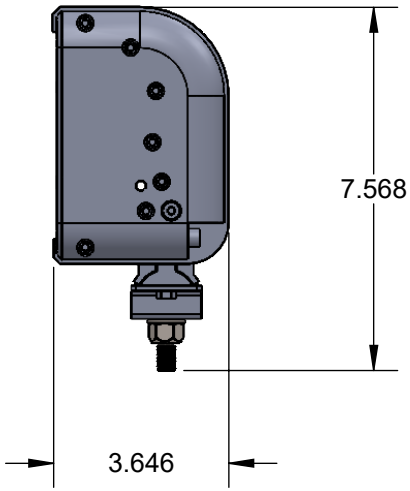
UNLESS OTHERWISE NOTED:

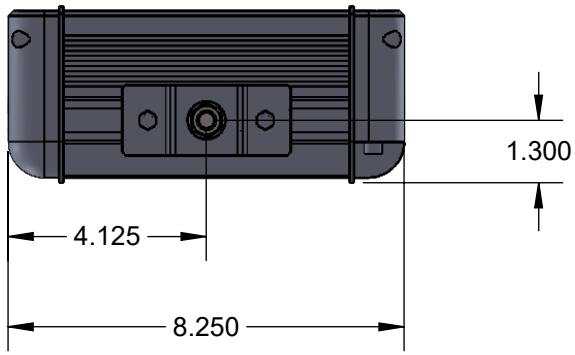
Angle	+/- 1 deg
.X	+/- .1
.XX	+/- .05
.XXX	+/- .005

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.







Mounting hole: M10 Clearance hole

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.

UNLESS OTHERWISE NOTED:
Angle +/- 1 deg
.X +/- .1
.XX +/- .05
.XXX +/- .005

DIMENSIONS ARE IN INCHES
DO NOT SCALE DRAWING
DATE 11/16/2021

LARSON ELECTRONICS

PART NUMBER:

LEDLB-24E

SIZE **A**
REV 1
SCALE: NTS
SHEET 2 OF 2

Material Safety Data Sheet

To Whom It May Concern,

The Larson Electronics LLC LEDLB, LED3W, LED5W, LED10W, LEDP, and LEDxxWRE industrial line of LED light bars and light fixtures without emergency battery backup are considered "ARTICLES" under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS). This document does not expire.

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

i. Which is formed to a specific shape or design during manufacture;
ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
iii. Which under normal conditions does not release more than very small quantities.

Regards,

Ray Smith
Larson Electronics, LLC.

LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com

Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: LEDLB, LED3W, LED5W, LED10W, LEDP, and LEDxxWRE Series
Description: LED Light Bars

Evaluated Listings:

CE: DIRECTIVE 2014/35/EU - LOW VOLTAGE DIRECTIVE
CE: DIRECTIVE 2014/30/EU - EMC DIRECTIVE
CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

The LEDLB, LED3W, LED5W, LED10W, LEDP, and LEDxxWRE series complies with the essential protection requirements of the European Parliament of the Council Directive for Low Voltage Directive, EMC Directive, REACH Regulation, and RoHS Directive. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com

Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: LEDLB, LED3W, LED5W, LED10W, LEDP, and LEDxxWRE
Description: LED Light Bars

Evaluated Listings:

CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

This is to certify that products offered by Larson Electronics LLC comply with the Reduction of Hazardous Substances (RoHS) directives. Directive 2002/95/EC became effective on 1 July 2006. It restricts the use of six substances in the manufacture of electrical and electronic equipment. This directive was revised in June 2011 and is now referred to as directive 2011/65/EU. Directive 2015/863/EU amending Annex II to Directive 2011/65/EU announced plans to add four substances from 22 July 2019.

We hereby certify that the equipment specified above conforms to the Directive(s) by containing less of the restricted substances than the stated limits.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com

Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: LEDLB, LED3W, LED5W, LED10W, LEDP, and LEDxxWRE Series
Description: LED Light Bars

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

This letter establishes the opinion of Larson Electronics LLC regarding the status, under the current European Union ("EU") Regulations on Registration, Evaluation, Authorization, and Restriction of Chemical Substances ("REACH").

REACH does not apply to manufactured products which are referred to as "completed articles". Substances (chemicals) are subject to REACH registration, NOT products.

In addition, Articles are exempt from the REACH requirements if (a) the Article does not contain a substance of very high concern or candidate substance in an amount exceeding 0.1% weight by weight, and (b) if substances present in the Article in excess of 1 ton per year per importer are not expected nor intended to be released.

Based on communication with our raw material suppliers, we conclude that to the best of our knowledge our products requiring REACH compliance do not contain any of the currently listed SVHC in concentrations of 0.1% or above.

Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

LARSON ELECTRONICS LLC • 9419 E US HWY 175 • KEMP, TX 75143
p: 1-800-369-6671 • intl: 903-498-3363 • f: 903-498-3364 • sales@larsonelectronics.com

Frequently Asked Questions (FAQ)