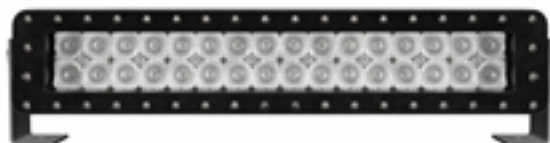


LEDXLB-16X2-IR-1550NM-V1

3.6W Industrial Heavy-duty Infrared LED Light Bar - 1550nm, 60mW Irradiance Output - IP68

Product ID: 235476

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.

LEDXLB-16X2-IR-1550NM-V1 Industrial Infrared LED Light Bar

Unit Type: Industrial Heavy-duty Infrared LED Light Bar

Lamp Technology: 30 Infrared LED Emitters

Dimensions: 16"-L x 2"-H x 4"-D

Weight: -

Voltage: 12V DC or 24V DC

Watts: 3.6W

Irradiance Output: 60 mW

Luminous Efficacy: -

LED Lamp Life Expectancy: 50,000+ Hours

Infrared Wavelength: 1550nm

Color Rendering Index: -

Lamp Type: -

Lamp Base: -

Replacement Lamp: -

Beam Angle: 10° Spot or 35° Flood

Lighting Configuration: Spot or Flood Beam

Optics Efficiency: >90%

Power Factor: -

Amps: 7.5A @ 12V DC, 3.75A @ 24V DC

Ambient Operating Temp Range: -40C~ +80C

Ratings

IP68 Waterproof

Housing Material: Heavy Duty Billet Aluminum CNC Machined Housing
Lens Material: Shatter Resistant Polycarbonate Lens, One-piece Front Lens Cover
Lens Gasket: O-ring
Mounting/Hardware Material: Stainless Steel
Mount: Adjustable Brackets
Wiring: Deutsch IPD / LADD DT04-2P Connector, Potted Power Connector
Housing Color: Black

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics LEDXLB-16X2-IR-1550NM-V1 Industrial Heavy-duty Infrared LED Light Bar offers high infrared light output and extreme durability combined with versatile mounting and power options. This rugged LED light bar incorporates 30 1550nm infrared LED emitters and operates on 12V DC or 24V DC. The low voltage light provides an extreme infrared lighting solution that is ideal for use in commercial and industrial security applications, as well as military environments.

The LEDXLB-16X2-IR-1550NM-V1 heavy-duty infrared LED light bar from Larson Electronics produces light in the infrared 1,550nm spectrum range. Offered in 12V DC or 24V DC, a total of 30 infrared emitters produce 60mW of irradiance output during use. Spotlight versions emit a tight 20-degree beam for illuminating far-flung objects. We offer floodlight versions of this light that have 35-degree optics to produce a wider beam spread and more infrared light over a larger area nearer the fixture.

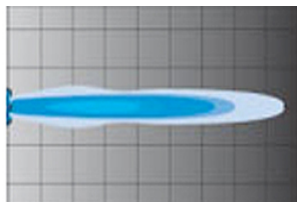
To ensure operation in versatile environments, the LEDXLB-16X2-IR-1550NM-V1 is constructed of stainless steel hardware (including mounting brackets) and a heavy-duty billet aluminum CNC machined housing. The lens is made out of shatter resistant polycarbonate with a one-piece front lens cover and o-ring lens gasket. To prevent moisture from entering the power cable, the wiring of the light uses a potted power connector.

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 Edixeon® Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

LEDXLB-16X2-IR-1550NM-V1 35° Flood Beam (Opt)



LEDXLB-16X2-IR-1550NM-V1 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 and capable of resisting ingress of dust, dirt and humidity. 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.

Mounting: This light bar is equipped with stainless steel mounting brackets which slide within the aluminum housing to allow users to adjust their positioning to match

existing or user drilled mounting holes. Each stainless steel bracket 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. We also offer a BC-2 bar clamp mounting system [you can view here](#) for even greater mounting versatility.

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. You can review the Deutsch connector [technical details here](#).

Applications: Military, security, extreme weather environments, marine settings, boats, docks, monitoring systems, rugged locations and more.

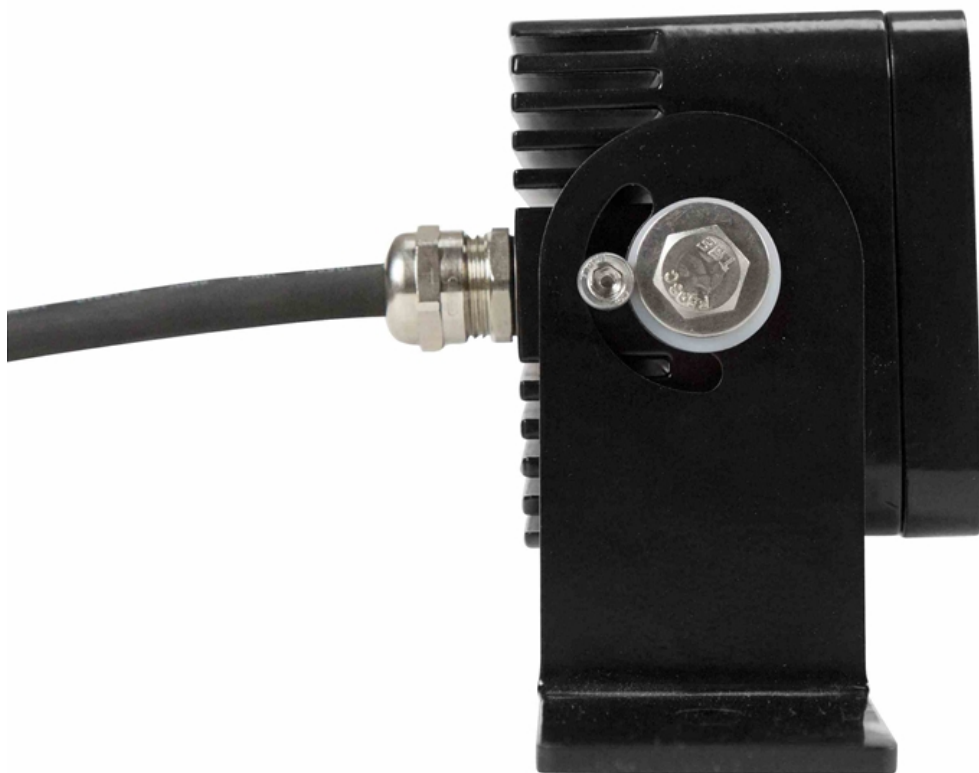
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.



Frequently Asked Questions (FAQ)









LEDXLB-16X2-IR-1550NM-V1

Product ID: 235476

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDXLB-16X2-IR-1550NM-V1-Beam Pattern-Voltage

Example: LEDXLB-16X2-IR-1550NM-V1-SP-12VDC

Beam Pattern		Voltage	
SPOT	-SP	12V DC	-12VDC
FLOOD	-FL	24V DC	-24VDC

Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)