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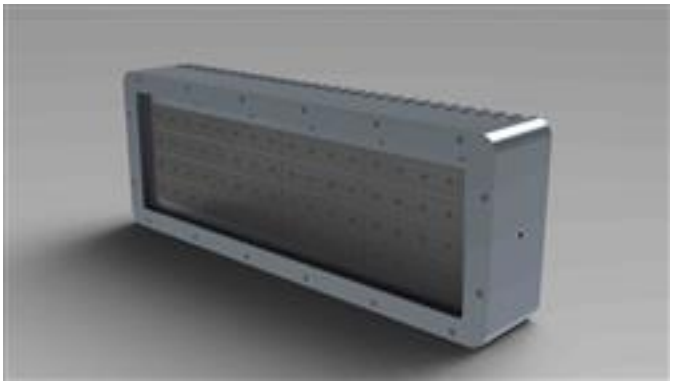
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IND-HDLB-V1-64LED-1227-BLU

600W Blue LED Light Bar - 120-277V AC - 9280 Lumens - 457nm - Heavy-Duty Industrial Applications

Product ID: 222216

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.

IND-HDLB-V1-64LED-1227-BLU Colored LED Light Bar
Lamp Type: 64 Blue LEDs
External Housing Dimensions: 31" L x 11.25" H x 5.25" D
Light Dimensions: 28" L x 8.5" H
Weight: 7 lbs
Voltage: 120-277V AC @ 50/60Hz
Total Watts: 600
Amps: 5A @ 120V DC, 2.5A @ 240V DC, 2.16A @ 277V
Lumens: 9280
Total Radiant Intensity: 249.6 mW
LED Life Expectancy: 50,000+ hours
LED Light Color: Blue
LED Wavelength: 457nm
LED Drive Current: Up to 1.5A
LED Typical Flux: 700mA
LED Photosynthetic Photon Flux: 928 umol/s
LED Footprint: 4.4mm x 4.4mm per LED
Beam Configuration: 11°, 15°, 30°, 50° or 80°
Optics Efficiency: 95%
Ambient Operating Temp Range: -40°C to +80°C
Housing Material: Heavy Duty Billet Aluminum CNC Machined Housing
Housing Color: Black or White
Lens Material: Shatter Resistant Polycarbonate Lens, One-piece Front Lens Cover
Lens Gasket: O-ring
Wiring: 10` 16/2 SOOW Cord General App Plug
Cord Cap Options: 5-15 Straight, 6-15 Straight, L5-15 Twist, L6-15 Twist, UK BS1363, Intl. Schuko, Pigtail

Ratings/Approvals
CE Certified
RoHS Compliant
JEDEC MSL Level 1
IP68 Waterproof
Lead Free LEDs
70% Lumen Retention @ 65,000 hours

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

Buy American Compliant

The IND-HDLB-V1-64LED-1227-BLU from Larson Electronics is a Colored Heavy-Duty Industrial LED Light Bar that offers high-intensity blue LED light output and extreme durability combined with versatile mounting and power options. This heavy-duty LED light bar, produces a bright, 9,280 lumen LED light beam with a 457nm wavelength. This light is a native 120-277V LED light that does not use an external, back-mounted power supply, which provides an extremely rugged play and play lighting solution that is ideal for use in commercial and industrial security applications, as well as military environments.

The IND-HDLB-V1-64LED-1227-BLU colored LED light bar from Larson Electronics produces 9,280 lumens of blue light. 64 LEDs producing 145 lumens each are arranged in rows and paired with high purity optics. We offer various beam degree options including 11°, 15°, 30°, 50° and 80°, covering a wide variety of both spot and flood lighting applications.

This 600-watt unit operates on 120/277V AC 50/60 Hz. To ensure operation in versatile environments, the IND-HDLB-V1-64LED-1227-BLU is constructed with 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.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

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.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This explosion proof LED light fixture is equipped with 10 feet of 16/2 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.
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 120-277V AC @ 50/60Hz without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and stand alone 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.

Durability: This LED light bar from Larson Electronics offers IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. This unit 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 LEDs featured in this light bar have a total radiant intensity of 249.6 and a photosynthetic photon flux of 928 umol/s. Each LED offers a very compact footprint - just 4.4mm x 4.4mm.
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. Adjustment of the light is made with set screws. The mounting legs can be mounted inwards or outwards by flipping them around. Flipping in takes up less space for compact installs and flipping out makes the light easier to install. We also offer a BC-2 bar clamp mounting system you can view here for even greater mounting versatility.
Suggested Applications: Military, security, extreme weather environments, marine settings, boats, docks, monitoring systems, rugged locations and other locations that require a rugged source of colored LED light.
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.

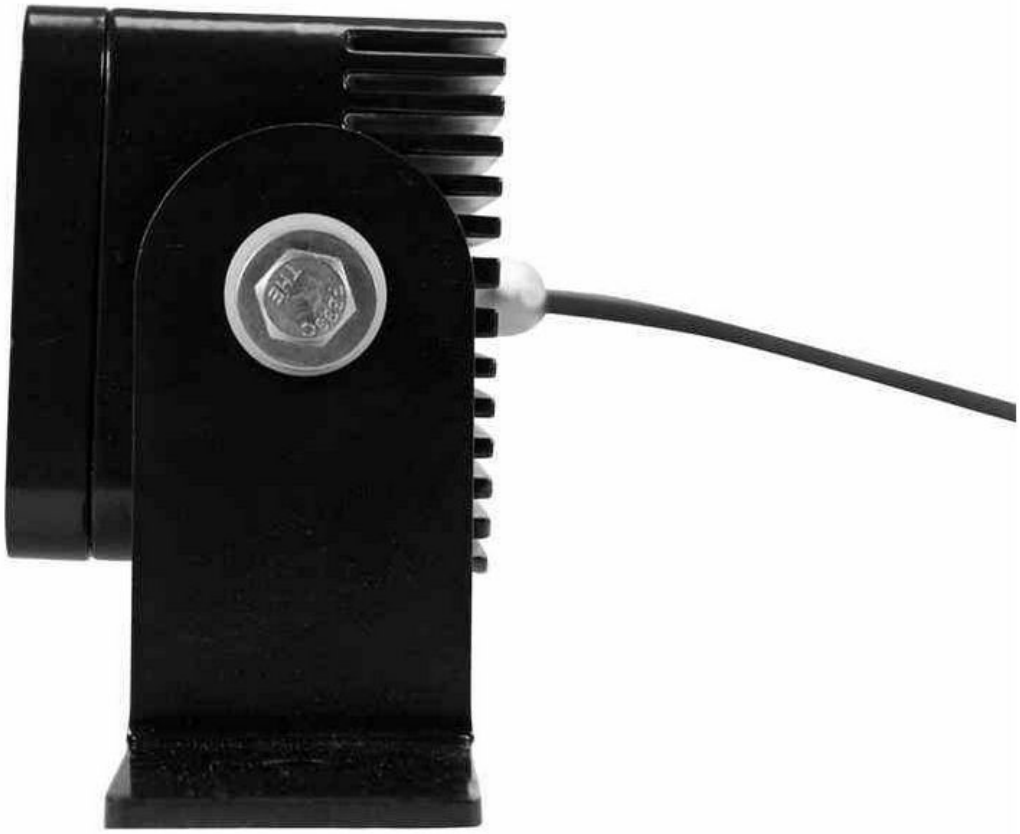
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Frequently Asked Questions (FAQ)







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IND-HDLB-V1-64LED-1227-BLU

Product ID: 222216

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

IND-HDLB-V1-64LED-1227-BLU-Finish-Beam Angle

Example: IND-HDLB-V1-64LED-1227-BLU-11DB-BLK

Finish	
11° BEAM	-11DB
15° BEAM	-15DB
30° BEAM	-30DB
50° BEAM	-50DB
80° BEAM	-80DB

Beam Angle	
BLACK	-BLK
WHITE	-WHT

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map