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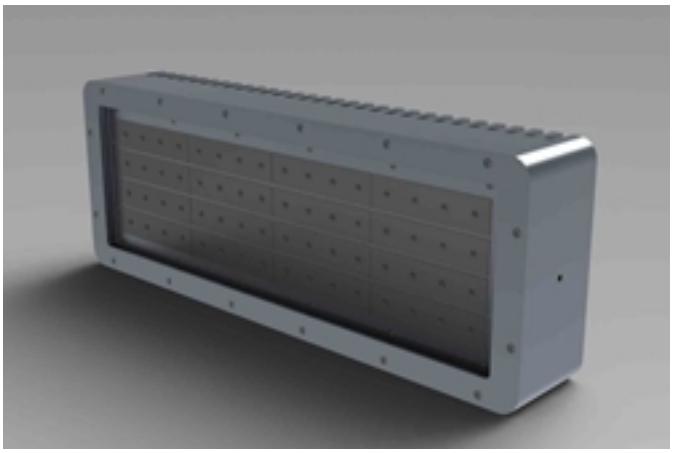
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IND-HDLB-V1-80LED-BL-D-V2-1227-UV385-RGBW

UV LED Light Fixture - 120-277V AC - RGBW + UV 385nm - Heavy-Duty Industrial Applications

Product ID: 277881

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-V1-80LED-BL-D-V2-1227-UV385-RGBW UV LED Light Bar
Lamp Technology: (48) RGBW + (16) UVA LED
External Housing Dimensions: 24" L x 24" H x 5.25" D
Light Dimensions: 24" L x 24" H
Weight: -
Voltage: 120-277V AC @ 50/60Hz
Total Watts: -
Total Lumens: -
Luminous Efficacy: -
Total Radiant Intensity (UV): 260W
LED Life Expectancy: 50,000+ hours
LED Light Color: Red (Peak 630nm), Green (Peak 520nm), Blue (450nm), White (Peak 440nm+550nm) + Ultraviolet 385nm (UVA)
UV LED Wavelength: 385nm peak (UV-A)
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Configuration: 11°, 15°, 30°, 50° or 80°
Dimmable: Yes - 0-10V Capable
Optics Efficiency: -
Light Controller Box: Not Included
Amps: -
Ambient Operating Temp Range: -40°C to +80°C
Housing Material: Heavy Duty Billet Aluminum CNC Machined Housing
Housing Color: Black

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

Lens Material: Tempered Glass

Optic Materials: UV Transmitting Acrylic

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

Contact us for special requirements

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The IND-HDLB-V1-80LED-BL-D-V2-1227-UV385-RGBW from Larson Electronics is a Heavy-Duty UV LED Light Fixture that offers high-intensity output and extreme durability combined with versatile mounting and power options. This heavy-duty LED light bar produces RGBW + UVA light output. The unit is a native 120-277V LED light that does not use an external back-mounted power supply, making it ideal for UV curing, food inspections, machine vision systems, and non-destructive testing. A controller box (not included, sold separately) is required for various lighting functions, controls and features.

The IND-HDLB-V1-80LED-BL-D-V2-1227-UV385-RGBW UV LED light bar from Larson Electronics offers RGBW + UVA lighting for industrial applications. Equipped with 48 RGBW and 16 UV LEDs, the LEDs are on separate circuits and can be controlled independently with a control box (not included, sold separately). With a customer-provided control box, operators may change to preset colors (red, blue, green, amber, white-2700K, white-3500K, white-5000K and white-6500K), along with a CIE color wheel to change color levels based on user input. All color-changing functions require a customer-provided controller. A controller can be used with desktops, tablets or phones depending on the control box mated with the unit. We offer various beam degree options including 11°, 15°, 30°, 50° and 80°, covering a wide variety of both spot and flood lighting applications. The UV LED feature produces 260W total radiant intensity (at the lens) with a wavelength curve of 380-390 nm and a peak wavelength of 385 nm. The RGBW LEDs have the following wavelength profiles: Red (Peak 630nm), Green (Peak 520nm), Blue (450nm) and White (Peak 440nm+550nm).

To ensure operation in versatile environments, the IND-HDLB-V1-80LED-BL-D-V2-1227-UV385-RGBW 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.

LED Driver: The industrial ultraviolet LED light fixture features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. With the IND-HDBL series of industrial LED lamps from Larson Electronics, each LED fixture contains multiple LED boards configured in a series of banks. Each bank contains four LED on a single board with the boards split into

two driver banks. In the event of a driver failure, only one bank of LEDs will be effected while the other bank will continue to operate.
This LED light fixture features 0-10V dimming capabilities. This gives operators the ability to manually adjust the total irradiance output of the LED lamp quickly and easily. The 0-10V dimming allows for adjustments to fit the "brightness" of the ultraviolet radiation needs of any lighting situation. A 0-10V dimmable light works through the use of a 2-wire DC control signal that ranges between zero and ten volts. The basic idea is that at 10 volts of input the light is at its brightest level with 0 volts being the lowest possible dimness setting. The smooth, continuous and flicker-free dimming of a 0-10V dimmable LED light is ideal for a wide range of different lighting applications. This 2-wire dimming control is in addition to the standard power wiring and requires additional connections.
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.
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, is waterproof to three feet and resist ingress of dust, dirt and humidity.
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. The 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.

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 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.

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 inspections, non-destructive testing, ultraviolet curing, food inspections, machine vision systems, paint booths, industrial grade 3D printing, and other locations that require a rugged source of ultraviolet 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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Product ID: 277881

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:
IND-HDLB-V1-80LED-BL-D-V2-1227-UV385-RGBW-Beam Angle-Housing Color-Cord Cap
Example: IND-HDLB-V1-80LED-BL-D-V2-1227-UV385-RGBW-11DB-BLK-5.15

Beam Angle	
11° BEAM	-11DB
15° BEAM	-15DB
30° BEAM	-30DB
50° BEAM	-50DB
80° BEAM	-80DB

Housing Color	
BLACK	-BLK
WHITE	-WHT

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
7-15 STRAIGHT	-7.15
5-20 STRAIGHT	-5.20
6-20 STRAIGHT	-6.20
7-20 STRAIGHT	-7.20
5-30 STRAIGHT	-5.30
6-30 STRAIGHT	-6.30
7-30 STRAIGHT	-7.30
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
L7-15 TWIST	-L7.15
L5-20 TWIST	-L5.20
L6-20 TWIST	-L6.20
L7-20 TWIST	-L7.20
L14-20 TWIST	-L14.20
L5-30 TWIST	-L5.30
L6-30 TWIST	-L6.30
L7-30 TWIST	-L7.30
L14-30 TWIST	-L14.30
UK BS1363	-BS1363
INTL SCHUKO	-SCHUKO
PIGTAIL	-PIGTAIL

Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**