Larson Electronics LLC
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BLG-LEDBLT-HGL

18 Watt Work Area LED Blasting Light w/ Handle - High Output LED Blasting Gun Light - 120-277V AC

Product ID: 105951

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: BLG-LEDBLT-HGL

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.

BLG-LEDBLT-HGL LED Blasting Gun Light

Lamp Type: LED
Dimensions: 4.75"L x 3"W x 10"H
Weight: 3 lbs
Voltage: 120-277V AC 50/60 Hz
Total Watts: 18
Total Lumens: 1530
Luminous Efficacy: 85 Lm/W
Lamp Life Expectancy: 50,000 Hours
Light Color: 5,000K
Color Rendering Index (CRI): 85
Beam Type: 25° Spot or 60° Flood
Amps: 0.15A @ 120V, 0.075A @ 240V, 0.065A @ 277V, 1.5A @ 12V, 0.75A @ 24V
Housing Materials: Cast Aluminum
Quick Swap Lens Materials: Glass (Metal) or Polycarbonate (Garnet)
Lens Qty: 3
Temp Range: -40°C to +85°C
Typical Case Temperature: ~20°C Above Ambient Temperature
Mounting: Clamp on Blasting Gun Mount
Wiring: 100` SOOW Cable

Approvals

IP65 Ingress Protection
Polycarbonate Handle for Increased Handling
Quick-Change Lens - Swap w/ Gloves On
Glass or Polycarbonate Lenses
120-277V AC Universal Voltage
Multiple Plug Options

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671

Cord Cap: 5-15, 6-15, 5-20, 6-20, L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, or Pigtail

***Blasting Gun Not Included**

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

Buy American Compliant

The BLG-LEDBLT-HGL from Larson Electronics is a Work Area Nozzle Mount LED Blasting Gun Light with Handle and Quick-Change Lens that features an 18 watt LED that produces 1,530 lumens of intense LED illumination and is designed for extreme durability in media blasting applications. This powerful LED light is designed to be mounted to any standard blasting gun.

****Blasting gun NOT included with this LED light.****

This nozzle mount LED blasting gun light features a specially designed mounting system which allows the unit to be attached to the end of any standard blasting gun and features a polycarbonate handle to help stabilize the blast gun during operation. This mount includes all necessary mounting hardware and a protective lens cover that can be removed and replaced even when wearing gloves. This protective lens is a simple drop in, drop out configuration behind a twist-on lens frame, allowing operators to twist the lens off and drop in a one as the lens is worn out by exposure to blasting materials such as coal slag, sand and baking soda. This lens is held in place by the delrin twist-on lens holder. We also offer A slot in the bottom of the lens holder allows particles to clear when performing lens changes.

A specially designed mounting system and quick change protective shield allows operators to use this unit as a blasting gun mounted light source that will stand up to abusive use. The protective lens is offered in polycarbonate or hardened glass materials. The polycarbonate lenses are for metal blast materials, while the glass lenses are for smaller abrasives.



This photo shows an open parking lot lit only by ambient light at approximately 9:00 pm.

Click Photo to Enlarge



This photo shows the BLG-LEDBLT-HGL in spot configuration. The building in the distance is 300` away, well illuminated by the LED spotlight.

Click Photo to Enlarge



Click Photo to Enlarge

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.

This LED blast gun light is designed to be operated and serviced in the field with gloved on. The quick-change lens design allows operators to quickly and easily swap out lenses without the operator having to remove their gloves. There are no special latches or hinges. Operators simply unscrew the lens holder, tilt the light towards to allow the lens to drop out, tilt the light back to drop a new lens in, and screw the lens holder back in. The lens holder is machined with large tabs on both sides to allow for operators to grab hold of the unit while wearing protective gloves.

Since this LED light is mounted onto the handle of the blast gun, the operators grip is reduced. To alleviate this, Larson Electronics has added an external handle to provide operators with additional control over the blast gun. This polycarbonate handle is machined with deep grooves to provide grip while wearing protective gloves during operation. Additional and replacement handles can be purchased separately, and can be mounted remote from the blast light.

Voltage: The drivers in this unit provide the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These light towers can operate on current ranging from 90 to 305V AC without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in electrical systems which would otherwise result in burning up or premature LED failure without it. This inclues commonly found 110V/115V/120V, 220V/230V/240V, and 277V in 50Hz or 60Hz configurations.

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 and Plug: This nozzle mount LED blast gun light is equipped with 100 feet of 16/3 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.

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)

There are no Faqs

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Product ID: 105951

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

Options:

BLG-LEDBLT-HGL-Beam Config-Lens Type-Cord Cap
Example: BLG-LEDBLT-HGL-SP-GLASS-5.15

Beam Config	
SPOT	-SP
FLOOD	-FL

Lens Type	
GLASS	-GLASS
POLYCARBONATE	-PC

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
5-20 STRAIGHT	-5.20
6-20 STRAIGHT	-6.20
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
L5-20 TWIST	-L5.20
L6-20 TWIST	-L6.20
UK BS1363	-BS1363
INTL SCHUKO	-SCHUKO
PIGTAIL	-PIGTAIL

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/105951.PDF)
- **SpecSheetRussian**(https://www.larsonelectronics.com/images/product/SpecSheetRussian/105951.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/105951.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/105951.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/105951.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/105951.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/105951.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/105951.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/105951.JPG)
- **Video1**(http://www.youtube.com/watch?v=aPuA3zuvJcA)
- **Video2**(https://www.youtube.com/watch?v=4qN575MH7cs)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)