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BLG-LEDBLT-HGL-X12I-100

18 Watt Work Area LED Blasting Light w/ Handle - 12V Stepdown Transformer - 100' 12/3 SOOW

Product ID: 152856

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



Image: BLG-LEDBLT-HGL-X12I-100

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-X12I-100

Lamp Type: LED
Dimensions: 4.75 "-L 3"-W - 10"-H
Weight: 3lbs
Voltage: 120-277V AC 50/60 Hz stepped down to 12V DC
Total Watts: 18
Total Lumens: 1530
Luminous Efficacy: 85 Lm/W
Lamp Life Expectancy: 50,000 Hours
Light Color: 5,000K
CRI: 85
Beam Type: 25° Spot or 60° Flood
Amps: 0.15A @ 120V, 0.075A @ 240V, 0.065A @ 277V, 1.5A @ 12V
Housing Materials: Cast Aluminum
Quick Swap Lens Materials: 3 Glass (Metal) or 3 Polycarbonate (Garnet)
Temp Range: -40°C to +85°C
Typical Case Temperature: ~20°C above ambient temperature
Mounting: Clamp on Blasting Gun Mount
Wiring: 100" 12/3 SOOW cord, inline transformer, 5` 16/3 SOOW
Cord Cap: 5-15, 6-15, 5-20, 6-20, L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, or

Approvals

IP65 Ingress Protection
Polycarbonate Handle for Increased Handling
Quick-Change Lens - Swap w/ Gloves On
3 Glass or 3 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
Intl: 1-903-270-1187

Pigtail

***Blasting Gun Not Included**

E-mail: sales@larsonelectronics.com

Buy American Compliant

The Larson Electronics BLG-LEDBLT-HGL-X12I-100 Work Area Nozzle Mount LED Blasting Gun Light with handle, quick-change lens, and inline transformer 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 blast light operates on standard 120/277V AC 50/60Hz stepped down to 12V DC via an inline transformer, and includes 100` of 12/3 SOOW between the light and transformer.

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 new 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 that allows particles to clear when performing lens changes. Each unit comes with three lenses. Additional lenses can be purchased when needed.

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-X12I-100 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

This LED blast gun light is designed to be operated and serviced in the field with gloves 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 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 operator`s 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 step-down transformer installed in-line provides 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 transformers can operate on current ranging from 90 to 305V AC or 127 to 431V DC 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. The inline transformer then steps down the input voltage to 12V DC to power the LED light

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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 This LED blast light is equipped with 100` of 12/3 chemical and abrasion resistant SOOW cord leading up to the encapsulated step down transformer, and 5` of 16/3 SOOW cable on the input side of the transformer that is fitted with an industrial grade cord cap for easy connection to common wall outlets.

Plug: 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.

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Frequently Asked Questions (FAQ)

There are no Faqs



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Product ID: 152856

Warranty: 36 Months.

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

Options:

BLG-LEDBLT-HGL-X12I-100-Beam Config-Lens-Cord Cap
Example: BLG-LEDBLT-HGL-X12I-100-SP-GLASS-5.15

Beam Config	
SPOT	-SP
FLOOD	-FL

Lens	
GLASS	-GLASS
POLYCARBONATE	-PC

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

Links (Click on the below items to view):

- **HigResPic1** (https://www.larsonelectronics.com/images/product/HigResPic1/152856.JPG)
- **HigResPic2** (https://www.larsonelectronics.com/images/product/HigResPic2/152856.JPG)
- **HigResPic3** (https://www.larsonelectronics.com/images/product/HigResPic3/152856.JPG)
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- **HigResPic10** (https://www.larsonelectronics.com/images/product/HigResPic10/152856.JPG)
- **Video1** (https://www.youtube.com/watch?v=4qN575MH7cs)
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