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BL24-LED

72W LED Blasting Light - Waterproof - Magnetic Mount - 4320 Lumens - High Voltage - 120-277V AC Stepped Down to 24 V DC

Product ID: 48264

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.

BL24-LED LED Blasting Light w/ Magnetic Mount

LEDs: 24 Edixeon® 3 Watt LEDs
Dimensions: 8.25"-L x 5.25"-H x 3.56"-D
Watts: 72W
Voltage: 120-277 V AC, 50/60 Hz Stepped Down to 24 V DC Via Inline Transformer
Weight: 8.6 lb
Lighting Configuration: 10° Spot or 35° Flood
Lux Readings (@ 10' Increments): 10' - 4,450, 20' - 1,175, 30' - 525, 40' - 275, 50' - 182, 60' - 115, 70' - 82, 80' - 62, 90' - 42, 100' - 36, 110' - 30
Amps: 3 A @ 24 V
Lumens: 4,320
LED Light Color: Amber, Green, or White
LED Life Expectancy: 50,000 Hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Color: Black
Wiring: 50' SEOOW Cord)w/ Deutsch IPD / LADD DT04-2P Connectors) Between Light & Encapsulated Inline Transformer, 10' 16/3 SOOW Cord Between Transformer & General Area Cord Cap
Cord Cap Options: 5-15, 6-15, 5-20, 6-20, L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, or Pigtail
Mounting: Adjustable Magnetic Mount - (2) 100 lb Magnets

Features

Edixeon® 3 Watt LEDs
LEDs Driven At 80%
-40°C ~ +80°C Operating Temp Range
RoHS Compliant
70% Lumen Retention @ 50,000 Hours
LED Chip Op Temp -40°C to +125°C
IP68 Rated Waterproof to 3 Meters
CE Certified

Special Orders - Special Requirements

Contact us for special requirements

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Buy American Compliant

The BL24-LED from Larson Electronics is a LED Blasting Light that offers high light output and extreme durability combined with a versatile magnetic trunnion mounting system which provides convenience and 270 degrees of adjustability. This IP68 rated LED blasting light is waterproof to three meters and produces 4,320 lumens. This light comes equipped with a 200 lb grip magnetic mount. This LED blasting light operates on 120/277 V, AC 50/60 Hz stepped down to 24 V DC via an encapsulated inline stepdown transformer.

The BL24-LED LED blasting light from Larson Electronics produces 4,320 lumens of bright light while drawing only 72 watts @ 6 amps from a 12 volt electrical system. Twenty-four Cree EZBright® three watt LEDs producing 180 lumens each are arranged in rows and paired with high purity 35 degree optics to produce an evenly spread floodlight beam approximately 350 feet wide and 225 feet long. We also offer optional spotlight versions with 10 degree optics to produce a tighter beam with much longer throw and higher intensity.

These LED blasting lights are IP68 rated and waterproof to 3 meters, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications. These units are constructed of extruded aluminum and feature heavier housings, rubber isolated standard mounts and unbreakable polycarbonate lenses to provide increased durability against vibrations, impacts, and the harsh conditons of blasting operations. This light is equipped with a 200 lb grip magnetic mount base and a 50 foot cord between the light fixture and encapsulated inline transformer to provide ample mounting versatility. This magnetic base allows fast and easy setup of this light and will hold the fixture in place at speeds up to 85 mph or under high vibration conditions.

This light comes with a pack of 5 adhesive back blasting light covers and is available with the following color options: white, amber, or green. Please make your color selection when ordering.

Shown above, vehicle headlights only...
Click Photo to Enlarge



Headlights supported with LED light bar.
Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



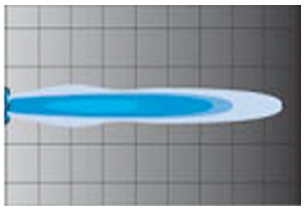
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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.
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 series of LED blasting lights from Larson Electronics offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40 degrees Celsius to 85 degrees Celsius, are waterproof to three meters, and resist ingress of dust, dirt and humidity. The housings are formed from thick extruded aluminum and the lenses are unbreakable polycarbonate. 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.

BL24-LED 35° Flood Beam



BL24-LED 10° Spot Beam



Voltage: The encapsulated transformer equipped with 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 or 127 to 431V DC and step it down to 24V 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.

Click Photos to Enlarge



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



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



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



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



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



Flying Leads / Pigtail Wires

Wiring/Plug: This LED blasting light is equipped with 50 feet SEOOW cord (connected with Deutsch IPD / LADD DT04-2P connectors) between the light fixture and the encapsulated inline transformer and an additional 10` of 16/3 SOOW cord extending from the transformer 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 110 V wall outlets with ground, standard 5-20 20 amp straight blade plug for 110 V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240 V wall outlets with ground, standard 6-20 20 amp straight blade plug for 220-240 V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L5-20 20 amp twist lock plug for 125 V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240 V twist lock outlets, NEMA L6-20 20 amp twist lock plug for 240 V 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 250 V. 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.
Adjustable Magnetic Mounting: The dual 100 lb magnets and trunnion mounting design on the BL24-LED allows for easy fixture placement and post-placement angle positioning. This means that by loosening 2 thumb bolts located on either side of the light, the operator can adjust the positioning angle of this light 270 degrees. Then he/she would simply have to tighten thumb bolts to lock the angle in place. No tools are required for adjusting angle. This mounting system makes this unit ideal for vehicle and equipment lighting applications where the unit can simply be attached or removed as needed. Please note, the magnetic base on this unit increases the units overall height from 5" to 6.3" total.
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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BL24-LED

Product ID: 48264

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

BL24-LED-Cord Cap-Beam Type-LED Light Color

Example: BL24-LED-5.15-S-AMB

Cord Cap	
5-15	-5.15
6-15	-6.15
5-20	-5.20
6-20	-6.20
L5-15	-L5.15
L6-15	-L6.15
L5-20	-L5.20
L6-20	-L6.20
BS1363	-BS1363
SCHUKO	-Schuko
PIGTAIL	-Pigtail

Beam Type	
SPOT	-S
FLOOD	-F

LED Light Color	
AMBER	-AMB
GREEN	-GRN
WHITE	-WHT

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Links (Click on the below items to view):

- Dimensional Drawing 2D
- Operations Manual
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map