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BL24-LED-100

LED Blasting Light - Waterproof - Magnetic Mount - 100 foot cord - 4320 Lumens - High Voltage

Product ID: 49749



Image: BL24-LED-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.

BL24-LED-100 LED Blasting Light
LEDs: 24 Edixeon® 3 Watt LED Emitters
Dimensions: 8.25"-L 5.25"-H 3.56"-D
Watts: 72
Voltage: 120-277 Volts AC (Optional: 9-42V DC)
Weight: 8.6 Lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Magnetic Base
Wiring: 100` SEOOW Cord Deutsch IPD / LADD DT04-2P connector
Amps: 6 (on 12 volts) 3 (on 24 volts)
Lumens: 4,320
LED Light Color: 6000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White
**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

LEDLB LED Features
Edixeon® 3 Watt LED Emitters
LEDs Driven At 80%
-40 C~ +80C Operating Temp Range
RoHS Compliant
70% Lumen Retention @65,000 hours
LED Chip Op Temp -40C to +125C
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 Larson Electronics BL24-LED-100 LED Blasting Light offers high light output and extreme durability combined with a versatile magnetic trunnion mounting system that 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 runs on standard 120-277 VAC and comes equipped with a 200 lbs grip magnetic mount and 100 feet of connecting cord.

The BL24-LED-100 LED blasting light from Larson Electronics produces 4,320 lumens of bright light and includes an inline transformer to allow operation with standard 120-277 VAC. Twenty-four Edison Edixeon® Emitters containing 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 200lbs grip magnetic mount base and a 100 foot cord to provide ample mounting versatility. This magnetic base allows fast and easy setup of this light and will hold the fixture in place under high vibration conditions.

This light comes with a pack of 5 adhesive back blasting light covers.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge







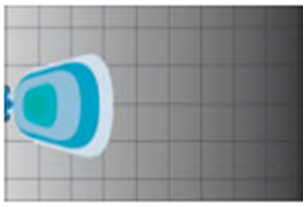
This high voltage light is equipped to run directly from 120 to 277 VAC, allowing it to be operated from any standard wall outlet. Also available is are 9-32 VDC version which allow the lamp to be operated from standard 12-24 volt DC current produced by vehicles and heavy equipment. We also offer this light with an amber light output to enhance the penetration in low visibility (due to steam or particulates) environments. We also offer the unit with green light output or standard white. Please choose your color below when ordering.

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

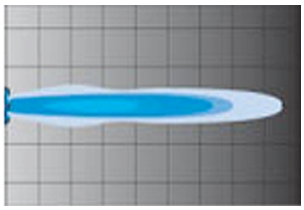
amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Edison Edixeon® Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

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. This particular blasting light is fitted with our DCP-11-DP transformer with allows operators to simply plug the unit into any standard wall outlet equipped with 120-277VAC.

BL24-LED 35° Flood Beam (Opt)



BL24-LED 10° Spot Beam (Stnd)



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.

Protective Mylar covers are available to protect the lens faceplate and catch overspray in coating applications. The adhesive backed Mylar lens covers can be peeled off and replaced easily.



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Adjustable Magnetic Mounting: The dual 100 lbs magnets and trunnion mounting design on

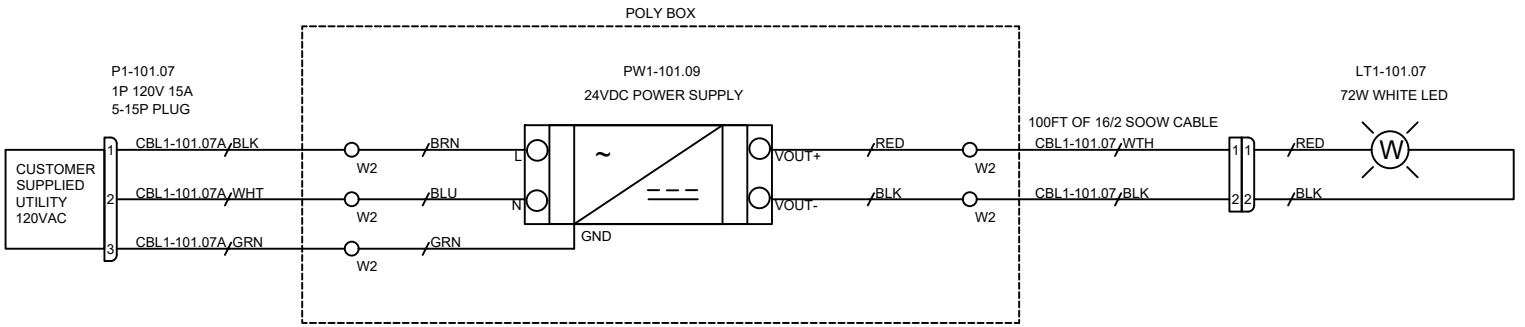
the LEDLB-24ET-M allows for easy fixture placement and post-placement angle positioning. This means that by loosening 2 thumb bolts located on either side of the light, the operator can adjust the positioning angle of this light 270 degrees. Then he/she would simply have to tighten thumb bolts to lock 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.

Note: Most Larson Electronics LEDLB, LEDP3W, LEDP10W, and LED10W series LED spotlights and floodlights are terminated with a Deutsch IPD / LADD DT04-2P connector. The mating connector plug is DT06-2S. Most LEDLB and LED10W series lights ship with mating connector as part of a harness or pigtail, depending on the model. Some larger LED lights like the LEDLB-160X2 or LEDLB-200X2 or multiple function LED lights (i.e. high/low beam, modulating, IR/Visible combos) will have different Deutsch connectors.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	07/15/2021

BL24-LED-600V-100-HD-Black-F

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
P1-101.07	1	UNV00007201	15A 125VAC STRAIGHT BLADE WATER TIGHT PLUG
LT1-101.07	1	UNV00012394	72W LED WHITE 60K FLOOD 9-46VDC
PW1-101.09	1	UNV00005978	24VDC POWER SUPPLY 120-277VAC IN 150W
W2	5	UNV00009802	2 HOLES WAGO
CBL1-101.07	101	UNV00002075	16/2 SOOW - Price per Foot
CBL1-101.07A	3	UNV00007524	CORD 16/3 SOOW UL 90C BLK CABLE

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KEMP, TX 75143

TITLE: BL24-LED-100-Black-F-WHT

DRAWN BY	DATE	REV
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Frequently Asked Questions (FAQ)

There are no Faqs