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EPL-QP-2X50LED-RT-100

100W Explosion Proof LED Light Tower - Tripod Mount - C1D1 - 100' 16/3 SOOW Cord w/ EXP Plug

Product ID: 224523

Image: EPL-QP-2X50LED-RT-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.

EPL-QP-2X50LED-RT-100 Explosion Proof LED Tripod

Listing: United States & Canada
Lamp Technology: Cree LED
Tripod Dimensions: 6.8` to 9.42` - Adjustable
Light Head Dimensions: 7.04" L x 7.04" H x 5.72 (per Lamp)
LED Lamp Qty: (2)
Weight: -
Voltage: 120-277V AC, 50/60Hz
Total Watts: 100W
Single-lamp Watts: 50W
Total Lumens: 14,000 lms
Single-lamp Lumens: 7,000 lms
Luminous Efficacy: 140 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5600K, 4500K, 3000K
Color Rendering Index: >75 CRI
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: 60°, 125° or 140°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.99
Amperage: 0.83A @ 120V, 0.46A @ 240V, 0.36A @ 277V

Ratings/Approvals

Class I, Divisions 1&2 Groups C,D
Class II, Divisions 1&2 Groups E,F,G
Class III, Divisions 1&2
NRTL Certified to UL 844 Ed. 13
NRTL Certified to UL 1598
Certified to C22.2 No. 137 Rev 2009
Certified to C22.2 No. 30-M-1986 Rev 2012
Certified to C22.2 No. 250.0
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
LEL Approved
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
100` 16/3 SOOW Cable
Adjustable Tower 6.8 - 9.42 Feet
Direct Replacement for 400W MH Towers

Ambient Operating Temp Range: -50°C to +65°C

Operating Temp Rating: T5

Temp Rise: 11°C (10°F) Over Ambient

Lamp Housing Material: Copper Free Cast Aluminum

Lamp Finish: Epoxy Powder Coated - Grey
Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Non-Sparking Telescoping Aluminum Tower
Wiring: 100` 16/3 SOOW Cable w/ Explosion Proof Cord Cap
Cord Cap Options: 5-15P, 5-20P or 6-20P

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Made in the USA

The EPL-QP-2X50LED-RT-100 from Larson Electronics is a Tripod Mounted Explosion Proof LED Light Tower that produces 14,000 lumens of light and capable of illuminating wide work spaces. Mounted on an adjustable tripod, this heavy-duty Cree LED light tower is designed for portability and durable operation and is suitable for use in demanding conditions. The unit comes with 100` of 16/3 SOOW cord and an explosion proof cord cap.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS, LIGHT TOWERS, OR TRIPODS

The EPL-QP-2X50LED-RT-100 is a tripod mounted explosion proof LED lighting system and provides comprehensive work area coverage with 14,000 lumens of light output. This portable LED light tower has dual removable LED light heads mounted on top of a three-leg durable non-sparking aluminum tripod equipped with wheels for easy positioning of the unit from one area of the workspace to another. The LED light heads on this unit produces a wide flood pattern of light that is ideal for illuminating large workspaces and jobsites. This light is designed for heavy-duty use in demanding conditions including emergency services, mining, construction, marine, and industrial operations where durability and reliability is critical.

This portable LED light is comprised of two adjustable explosion proof LED light heads mounted atop a three leg tripod fabricated from non-sparking powder coated aluminum. This adjustable and collapsible tripod can be extended to 9.42 feet, collapsed to 6.8 feet, and includes solid wheels allow the operator to tilt the unit back and simply roll the entire assembly to a new location when fully deployed. The LED light fixture assembly can be removed by releasing the hand knob and sliding the light and mounting bracket off of the center support while the legs can be collapsed, aiding in deployment, storage and transport. The lamp can be easily adjusted vertically and locked into position.

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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.

Equipped with two, 50-watt explosion proof LED lamps, the 100-watt system operates on universal 120-277V AC, 50/60 Hz. Each LED light produces 7,000 lumens (total 14,000 lumens) with a color temperature of 5600K and a color rendering index of 75, which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. We also offer a 3000K warm white and 4500K natural white color temperature options (longer lead times may apply for non-standard temperatures).

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60° Beam Angle

125° Beam Angle

140° Beam Angle

Beam Angles: When used as a portable lighting solution, the varying beam angles are each individually ideal for several environments. The 60° beam provides the most intense beam of the three options. It is perfect for narrow, confined spaces and is ideally suited for tank cleaning purposes. It offers focused light to provide ample illumination to tight work spaces and other environments. The 125° beam offers a more diffused source of light that is also less intense in brightness. It is a great general area work light and performs well when used for outdoor illumination. The 140° beam offers a very wide lighting pattern and is ideal for situations where lighting distance is not a concern, but illumination of a wider area and even light distribution is. The 140° beam is great for situations that call for working in close proximity to lights such as in a paint booth.

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5-15 Straight Blade Plug

5-20 Straight Blade Plug

6-20 Straight Blade Plug

Wiring & Plug: The explosion proof tower mounted flood lighting system is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets.

Tower Mount: This unit is mounted on an aluminum tripod with anti-static urethane wheels for seamless transportation around the work site. The light tower can be extended to a maximum height of 9.42 feet and retracted down to 6.8 feet. Components used for height adjustments during deployment are conveniently located at chest level, allowing operators to make changes to lighting setups and configurations with ease. This tripod is suitable for portable, temporary, and stationary mounting of equipment. A round-pole design makes the assembly easier to handle and transport compared to square-shaped models.

A horizontal T-mount platform is provided at the top of the tower for mounting customer-provided equipment. The tripod features an adjustable head for quick repositioning of mounted equipment, without needing to turn the base legs or entire tower. To adjust the vertical tilt and position of mounted fixtures, operators simply loosen both brackets (located at both sides of the light). After the desired position is achieved, the brackets are tightened. An accessible hand knob can be used to remove the mounted fixture for storage or transportation.

The base of the lightweight tower consists of three 49.1" legs, with an even 120° spread for a balanced foundation. All three legs are fold-able, which caters to space-saving requirements during storage and allows the assembly to pass through tight spaces. Unlike tripods with bent or L-shaped legs, this portable light tower incorporates a flat foundation for a sturdy base. The tower`s base is also equipped with two wheels for freedom of movement at industrial facilities, as well as streamlined setup and tear-down at remote work sites. Removal of the wheel kit can be completed without special tools.

All tripods are in stock and ready to be shipped for customers with immediate lighting or mounting needs. For fast and cost-effective deliveries, the entire light tower assembly can be shipped via UPS. Freight and expedited hotshots commonly associated with light mast deliveries are not needed for this compact tower.

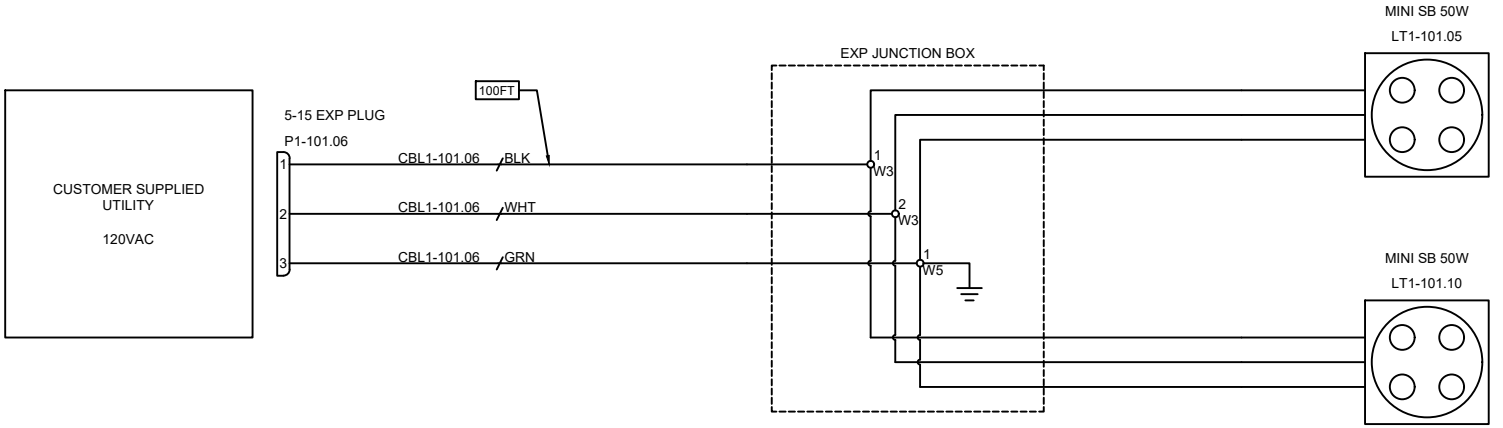
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, 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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	09/14/2020

EPL-QP-2X50LED-RT-100-60DB-1523

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
P1-101.06	1	UNV00005389	EPP-15A 5-15P
LT1-101.05 LT1-101.10	2	UNV00008004	50W MINI SB 5000K 50D 1227AC
W5	1	UNV00009803	5-CONDUCTOR LEVER CLAMP WAGO
W3	2	UNV00011954	3-CONDUCTOR LEVER CLAMP WAGO
CBL1-101.06	1	UNV00007524	16/3 SOOW UL 90C BLK

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TITLE		
EPL-QP-2X50LED-RT-100-60DB-1523		
DRAWN BY: R.BLACK	DATE: 09/14/2020	REV: A
CHECKED BY: P.CRYER	SHEET #: 1 OF 1	DRAWING #: 101

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Frequently Asked Questions (FAQ)

There are no Faqs