

**150W Explosion Proof LED Light Tower - Tripod Mount - C1D1 - 100' 16/3 SOOW Cord w/ EXP Plug**

Part #: EPL-QP-1X150RT-100



**Made in the USA**

The EPL-QP-1X150RT-100 from Larson Electronics is a Tripod Mounted Explosion Proof LED Light Tower from Larson Electronics produces 17,500 lumens of light capable of illuminating an area 9,500 square feet in size. This adjustable Cree LED light tower is designed for portability and durable operation and ideal for use in demanding conditions.

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

The EPL-QP-1X150RT-100 is a tripod mounted explosion proof LED lighting system and provides 9,500 square feet of work area coverage with 17,500 lumens of light output. This portable LED light tower has a removable LED light head 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 head on this unit produces a wide flood pattern of light that is ideal for illuminating large workspaces and job sites. 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 an adjustable LED light head 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.

[Click Photo to Enlarge](#)[Click Photo to Enlarge](#)[Click Photo to Enlarge](#)

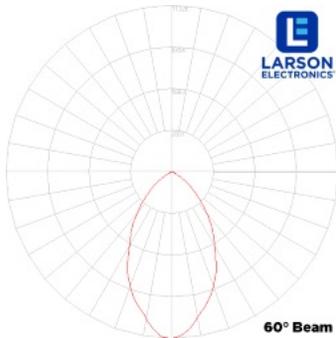
**LED Benefits:** Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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.

**LED Drivers:** Even in LED fixtures, heat is the single largest factor in premature light failure and color shifting. As a result, many manufacturers reduce the output of their LEDs in order to reduce the amount of heat produced. Rather than lower light output or quality, Larson Electronics addresses this problem with the addition of electronic LED drivers. These internal drivers 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. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free. Because the electronic drivers allow the EPL-QP-1X150RT-100 to run at a cooler internal temperature and regulates the electrical current, energy efficiency and LED service hours are maximized while at the same time reducing operating costs and downtime incurred from the frequent servicing intervals required with other hotter running lights.

The explosion proof LED light fixture features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED

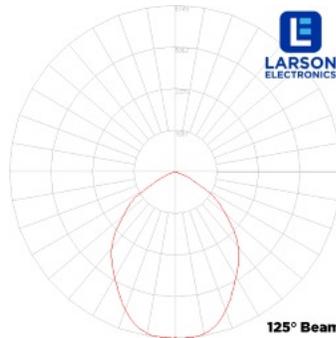
lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.

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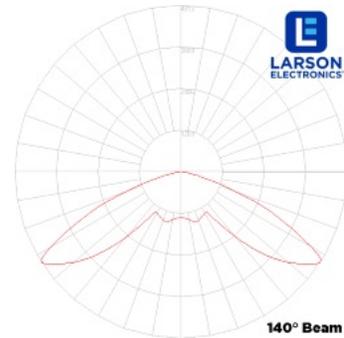
60° Beam

60° Beam Angle



125° Beam

125° Beam Angle



140° Beam

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:** This explosion proof flood light 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. **\*\*PLEASE NOTE\*\* voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage**

applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.

This unit produces 17,500 lumens with a color temperature of 5600K standard 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 both 3000K warm white and 4500K natural white color temperature options (longer lead times may apply for non-standard temperatures). This lamp uses Cree LED units that have been chosen for their high lumen per watt ratio and extreme longevity. These Cree LEDs generate a robust 116.67 lumens per watt effective lumen output and have a 80% lumen retention at 60,000 hours, giving them better efficiency and operational life than traditional light sources.

**Field Serviceability:** This explosion proof LED light fixture is field serviceable. All major internal components can be purchased from Larson Electronics and installed by a licensed electrician with basic tools. With most explosion proof fixtures, the fixture must be returned to the manufacturer for repair work, which presents downtime and long turn around times for repair work. Larson Electronics addresses this issue with the EPL-QP-1X150RT-100 series with field serviceability, allowing operators to perform service work without having to return the fixture to the manufacturer in the event of damage or failure.

#### Energy Consumption Comparison

	<u>Metal Halide</u>	<u>LED</u>
Wattage	400 watts	150 watts
Amp Draw @ 120V AC	3.83 amps	1.25 amps
Amp Draw @ 220V AC	2.09 amps	0.68 amps
Amp Draw @ 240V AC	1.92 amps	0.63 amps
Amp Draw @ 277V AC	1.66 amps	0.54 amps
Amp Draw @ 12V DC	38.33 amps	12.5 amps
Amp Draw @ 24V DC	19.12 amps	6.25 amps
Lamp Life Expectancy	20,000 hours	60,000+ hours
Operation cost per year (12hs/day @ 12c/kWh)	\$241.78	\$78.84

**Each LED light fixture has the potential to save \$150.00+ per year in electricity alone, not including maintenance costs, operational downtime, reduced productivity, HVAC loads, or carbon footprint. When retrofitting an entire facility with 100s of light fixtures, the return on investment of LED over metal halide becomes evident.**

**Voltage:** This explosion proof LED light is universal voltage capable and can be operated with 100-277V AC, 50/60 Hz without modifications to the fixture. A low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 volts is also available. 18-48V AC/DC voltage models are available for network systems and marine vessels. We also offer an additional 347-480V high voltage, 125-250V DC, and 0-10V dimmable versions of this explosion proof LED light fixture.

**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 a rotatable 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.

This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast aluminum body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronics. This LED light produces 17,500 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor portable work lights. This LED light tower retains 80% of its lumen output after 60,000 hours of use, far longer than metal halide or halogen work lamps.

The LED light head on this unit is small enough to allow it to fit through most standard size manholes and entry points. The LED light head can also be removed from the tripod, the tower collapsed and the entire assembly passed through a manhole and reassembled once inside. The easy to collapse design of this Class I Division 1 LED work light allows Larson Electronics to avoid pallet freight charges when shipping and deliver these units via UPS next day air service, which in turn improves delivery time and reduces the cost to buyers.

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.

### Specifications / Additional Information

#### EPL-QP-1X150RT-100 Explosion Proof LED Tripod Tower

**Listing:** United States & Canada

**Lamp Type:** Cree LED

**Dimensions:** 14"W x 16"H x 5"D - Light Head; 6.8 to 9.42 Extendible Tower

**Weight:** 50 lb

**Voltage:** 120-277 VAC, 50/60Hz

**Total Watts:** 150 watts

**Total Lumens:** 17,500

**Luminous Efficiency:** 116.67 Lm/W

**Lamp Life:** 60,000+ Hours

**Color Temp:** 5000K, 4000K, or 3000K

**Color Rendering Index:** >75 CRI

**Beam Angle:** 60° or 125°

**Lighting Configuration:** Flood Pattern

**Power Efficiency:** >95%

**Power Factor:** 0.992

**Amperage:** 1.25 A @ 120 V, 0.63 A @ 240 V, 0.54 A @ 277 V

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

**Operating Temp Rating:** T5

**Lamp Housing Material:** Copper Free Cast Aluminum

**Tripod Material:** Non-Sparking Aluminum Tubing w/ Rubber Casters

#### Ratings/Approvals

Listed for United States and Canada

Class I, Divisions 1 & 2, Groups C and D

Class II, Divisions 1 & 2, Groups E, F, & G

Class III, Divisions 1 & 2

Certified to UL 844 Ed. 13

Certified to UL 1598

Certified to C22.2 No. 137 Rev 2009

Certified to C22.2 No. 250.0

T5 Temperature Rating

Paint Spray Booth Approved

IEC 60529 Tested

IP67 Rated Waterproof

LEL Approved

Multiple Driver Banks

80% Lumen Retention after 60,000 Hours

Factory Sealed Light Fixture

Class I Div 1 Explosion Proof Plug

100 Foot 16/3 SOOW Cord

Wheeled Adjustable Tower 6.8 - 9.42 Feet

Direct Replacement for 400W MH Towers

**Lens Material:** Hardened Borosilicate Glass

**Gasket Material:** Silicone

**Mounting:** Non-Sparking Wheeled Aluminum Tripod

**Wiring:** 100' 16/3 SOOW Cable w/ Explosion Proof Cord Cap

**Cord Cap Options:** 5-15P, 5-20P or 6-20P

**Special Orders- Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-214-616-6180

**Fax:** 1-903-498-3364

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

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Part #: [EPL-QP-1X150RT-100 \(70913\)](#)

Options:

EPL-QP-1X150RT-100- **CORD CAP** - **BEAM CONFIG**

**Example:** EPL-QP-1X150RT-100-1523-60DB

CORD CAP		BEAM CONFIG	
5-15 125V	-1523	60°	-60DB
5-20 125V	-2023-125V	125°	-125DB
6-20 250V	-2023-250V		









Links (Click on the below items to view):

- [Dimensional Drawing](#)
- [Manual](#)
- [IES](#)
- [Hi Res Image 1 - 150 Watt Explosion Proof LED Light Tower](#)
- [Hi Res Image 2 - 150 Watt Explosion Proof LED Light Tower](#)
- [Hi Res Image 3 - 150 Watt Explosion Proof LED Light Tower](#)
- [Hi Res Image 4 - 150 Watt Explosion Proof LED Light Tower](#)
- [Hi Res Image 5 - 150 Watt Explosion Proof LED Light Tower](#)