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EPLC2-QP-1X70LED-100

50W Tripod Mounted Food Safe LED Light - Explosion Proof - C2D1 - 100' Cord - EXP Plug

Product ID: 71070

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



Image: EPLC2-QP-1X70LED-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.

EPLC2-QP-1X70LED-100 - C1D1 Tripod LED Light

Listing: United States - Canada
Lamp Type: LED
Dimensions: Light Head: 7.04"L x 7.04"H x 5.72"D; 6.8` - 9.42` Extendible Tower
Weight: 50 lb
Voltage: 100-277 Volts AC, 50/60Hz
Total Watts: 50 W
Total Lumens: 6,250
Luminous Efficacy: 125 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5600K, 4500K, or 3000K
Color Rendering Index: >75 CRI
Beam Angle: 60° or 125°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.99
Ambient Operating Temp Range: -50°C to +65°C
Operating Temp Rating: T5
Temperature Rise: 11°C (10°F) Over Ambient
Housing Material: Copper Free Cast Aluminum
Housing Finish: Epoxy Powder Coated - Grey

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 and 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
Certified to C22.2 No. 30-M-1986 Rev 2012
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
LEL Approved
Single LED Driver
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
Adjustable 6.8` - 9.42` Tripod Tower

Special Orders - Special Requirements

Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Adjustable 6.8`-9.42` Tripod
Wiring: 100` 16/3 SOOW w/ Explosion Proof Cord Cap
Cord Cap Options: 5-15P, 5-20P or 6-20P

Contact us for special requirements
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Made in the USA

The EPLC2-QP-1X70LED-100 from Larson Electronics is an Explosion Proof LED Tripod Mounted Light that is rated for use in Class I Divisions 1 & 2 Groups C & D and Class II, Divisions 1 & 2, Groups E, F, & G hazardous locations and uses one LED light head to produce 6,250 lumens of light while drawing only 50 watts.

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

The EPLC2-QP-1X70LED-100 is a tripod mounted explosion proof LED light and provides 4,000 square feet of work area coverage with 6,250 lumens of light output. This portable LED tripod light has a single removable LED light head mounted on top of an aluminum tripod 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 enclosed areas such as tanks and containers and is suitable for hazardous locations where flammable vapors, gases and dusts may be present.

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 6,250 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.



Click Photo to Enlarge



Click Photo to Enlarge

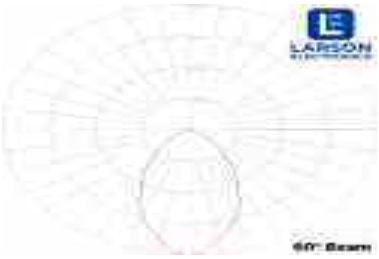
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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 an electronic LED driver. This internal driver 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. 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 driver allows the EPLC2-QP-1X70LED-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.

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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: This explosion proof tripod mounted LED 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.*

Voltage: This light is universal voltage capable and can be operated with 100-277 VAC, 50/60Hz.

Energy Consumption Comparison

	Metal Halide	LED
Wattage	175 watts	50 watts
Amp Draw @ 120V AC	1.69 amps	0.42 amps
Amp Draw @ 220V AC	0.92 amps	0.23 amps
Amp Draw @ 240V AC	0.85 amps	0.21 amps
Amp Draw @ 277V AC	0.73 amps	0.18 amps
Amp Draw @ 12V DC	16.77 amps	4.17 amps
Amp Draw @ 24V DC	8.39 amps	2.08 amps
Lamp Life Expectancy	20,000 hours	60,000+ hours
Operation cost per year (12hs/day @ 12c/kWh)	$241.78	$26.30

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.

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.

The LED light head on this unit measures 7.04 inches in length by 7.04 inches in width by 5.72 inches deep, which allows it to fit through standard size manholes and entry points. The LED light heads can be removed from the tripod, the tripod collapsed, and the entire assembly passed through a manhole and reassembled once inside. Included with this LED light tripod is 100 feet of SOOW cord which combined with the 360 degrees of rotation and 90 degrees of tilt offered by the LED light head provides an effective alternative to often cumbersome explosion proof string lights.

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)

There are no Faqs



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Product ID: 71070

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

Options:

EPLC2-QP-1X70LED-100-Cord Cap-Beam Angle-Color Temp
Example: EPLC2-QP-1X70LED-100-1523-60B-56K

Cord Cap	
5-15	-1523
5-20	-2023-125V
6-20	-2023-250V

Beam Angle	
60°	-60B
125°	-125B

Color Temp	
5600K	-56K
4500K	-45K
3000K	-30K

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/71070.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/71070.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/71070.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/71070.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/71070.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/71070.JPG)
- **Video1**(https://www.youtube.com/watch?v=WLyr5AkhkqY)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)