Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

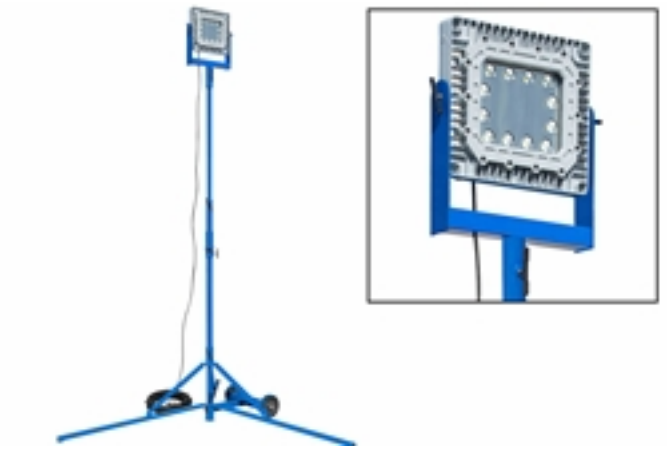
www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ

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

Product ID: 284189

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.

ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ Explosion Proof LED Tripod Tower

Listing: NRTL Listed for United States & Canada and International
Lamp Type: LED
Dimensions: 14"W x 16"H x 5"D - Light Head; 6.8 to 9.42 Adjustable Tower
Weight: 50 lbs
Voltage: 220-240V Euro, 50 Hz
Total Watts: 150 watts
Total Lumens: 21,000
Luminous Efficiency: -
Lamp Life: 60,000+ Hours
Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K
Color Rendering Index: 80 CRI
Beam Angle: Flood
Lighting Configuration: Flood Pattern
Power Efficiency: -
Power Factor: -
Emergency Battery: 120 aH Lithium-iron Phosphate
Emergency Runtime: 90 Minutes
Amperage: 0.68A @ 220V, 0.63A @ 240V
Ambient Operating Temp Range: -50°C to +65°C
Operating Temp Rating: -
Lamp Housing Material: Non-sparking
Tripod Material: Non-sparking Aluminum Tubing w/ Rubber Casters
Lens Material: -

Ratings/Approvals

Light Tower Certifications
ATEX - II2 G Ex db IIB T5/T6 Gb
ATEX - II2 D Ex tb IIIC T80/90C Db IP66
IECEX - Ex db IIB T5/T6 Gb
IECEX - Ex tb IIIC T80/90C Db IP66
Class I, Division 1, Groups C,D
Class I, Division 2, Groups A,B,C,D
Class II, Division 1, Groups E,F,G
Class II, Division 2, Groups F,G
Class III, Divisions 1 & 2
NRTL Certified to UL 844, UL 1598, UL 1203
NRTL Certified to CSA C22.2 No. 137, No. 25, No. 30
NRTL Certified to ATEX 60079
NRTL Certified to IECEx 60079
NEMA 3R, NEMA 4
IP66 Waterproof

Cord Cap Certifications
Class I, Division 2, Groups A, B, C, D
Class I, Zone 1 & 2, Groups IIC, IIB, IIA
Class II, Div 1 & 2, Groups E, F, G
NEMA 3R, NEMA 4, NEMA 4X
IP66 Waterproof

Gasket Material: -

Mounting: Non-sparking Wheeled Aluminum Tripod
Wiring: 100` 16/3 SOOW Cable w/ Explosion Proof Cord Cap - Blue

Cord Cap: C1D2 IEC 60309 Pin/Sleeve Cord Cap

Cord Cap Pin: 3 Pin

Cord Cap Hour: 6

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Made in the USA

The ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ from Larson Electronics is a Tripod Mounted Explosion Proof Emergency LED Light Tower, which produces 21,000 lumens of light and is capable of illuminating an area 9,500 square feet in size. This adjustable Cree LED light tower is designed for portability and is ideal for use in demanding conditions. An emergency battery keeps the ATEX-rated light operational for up to 90 minutes during a power outage.

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

The ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ is a tripod mounted explosion proof LED lighting system and provides 9,500 square feet of work area coverage with 21,000 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.

Emergency Battery: This system is equipped with a 120 aH lithium iron phosphate battery, which provides emergency power to the LED light when power is unavailable. Located at the base of the tower, the battery allows the LED tower to run for 90 minutes on a full charge.



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 ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ 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.
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 a blue explosion proof cord cap for easy connection to explosion proof outlets. The pin/sleeve Class I, Division 2 cord cap has a 3-pin configuration and a 6 clock hour setting.
This explosion proof LED light fixture is IP66 rated and protected against high pressure jets and temporary submersion. This LED light produces 21,000 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 80, 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.
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

	Metal Halide	LED
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 can be operated with 220-240V AC, 50 Hz power.
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 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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364



Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364





ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ
Product ID: 284189

Export Control Classification Number (ECCN): EAR99

Options:
ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ-Color Temp
Example: ATEX-EPL-EMG-QP-1X150W-DCM-100-HLP.16A-220V.50HZ-56K

Color Temp	
5600K	-56K
5000K	-50K
4500K	-45K
4000K	-40K
3500K	-35K
3000K	-30K
2700K	-27K
6500K	-65K

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**