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

EPL-QPH-1X150RT-140DB-100

150 Watt Explosion Proof LED Light Tower w/ Removable Head - Quadpod Mount - 140°-C1D1 - 100ft Cord

Product ID: 105049

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.

EPL-QPH-1X150RT-140DB-100Explosion Proof LED Quadpod Tower
Listing: United States & Canada
Lamp Type: Cree LED
Dimensions: 14"-W 16"-H 5"-D- Light Head - 7` to 12` Extendible Tower
Weight: 50 Lbs
Voltage: 120-277V AC 50/60Hz
Total Watts: 150 watts
Total Lumens: 21,000
Luminous Efficiency: 140 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Beam Angle: 140°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Amperage: 1.25A @ 120V, 0.63 @ 240V, 0.54 @ 277V
Ambient Operating Temp Range:-50° C to +65°C
Operating Temp Rating: T5
Lamp Housing Material: Copper Free Cast Aluminum
Quadpod Material: Non-Sparking Aluminum Tubing w/ Rubber Casters
Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Non-Sparking Wheeled Aluminum Quadpod
Wiring: 100` 16/3 SOOW Cable w/ explosion proof

Quick Summary
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 1 Div 1 Explosion Proof Plug
100 Foot Cord
Wheeled Adjustable Tower 7 - 12 Feet
Direct Replacement for 400W MH Towers

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671

Cord Cap: 15A 5-15, 20A 5-20, 20A 6-20A

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The EPL-QPH-1X150RT-140DB-100Quadpod Mounted Explosion Proof LED Light Tower with Removable Handheld Light Head from Larson Electronics produces 21,000 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 QUADPODS

The EPL-QPH-1X150RT-140DB-100is a quadpod 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 with carrying/hanging handle on top of a four leg durable non-sparking aluminum quadpod 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 four leg quadpod fabricated from non-sparking powder coated aluminum. This adjustable and collapsible quadpod can be extended to twelve feet, collapsed to seven 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. The light head can then be used as a handheld flood light, suspended via the top handlebar, or mounted to another stand. 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



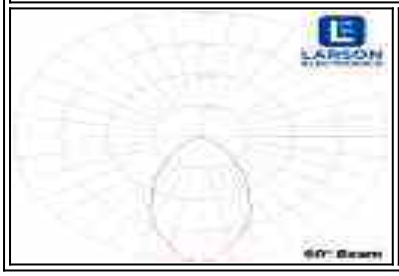
Click Photo to Enlarge

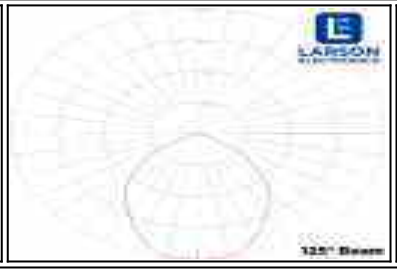


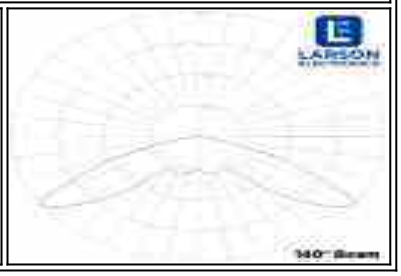
Click Photo to Enlarge

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.

Click Photos to Enlarge







60° Beam Angle	125° Beam Angle Plug	140° Beam Angle Plug

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.
Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.
This hazardous location LED light tower is equipped with 100` of 16/3 SOOW oil, chemical, abrasive, and water resistant cable terminated in an explosion proof cord cap, which is combined with adjustability offered by the LED light head provides ample length for tower placement and optimal coverage of the workspace. Cord cap options include 15 amp NEMA 5-15 straight blade plug for designed for 125V, 20 amp NEMA 5-20 plug design for 125V, and 20 amp 6-20 plug designed for 250V. All three cord caps are designed to lock into compatible twist lock receptacles by twisting the plug body until an audible click is heard, which indicates the plug is securely connected. Once locked into place this plug will not accidentally pull out. Other cord caps, such as pin and sleeve style, can be custom fit upon request.
The LED light head on this tower contains twelve 12.5 watt LEDs producing 140 lumens each. These LEDs are arranged in rows and paired with high purity optics to produce 21,000 lumens and a flood beam while only drawing 1.25 amps on 120V, making these units ideal for use as highly efficient yet powerful work and area lights. The EPL-QPH-1X150RT-140DB-100hazardous location LED light is an ideal and direct replacement for fragile and hot running 400 watt metal halide floodlights.
This light is universal voltage capable and can be operated with 100-277 VAC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 Volts and in-line step-down transformers for high voltage to low voltage operations. 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 21,000 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 quadpod, the tower collapsed and the entire assembly passed through a manhole and reassembled once inside. The easy to collapse design of this Class 1 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.

Made in USA Quality

1. Approved Class 1 Div1-2 Class 2 Div I-2
2. Led lamp head requires no lamping and simply slides on the

Superior LED Benefits

1. 60,000+ hour lifespan.
2. Can SAVE 50% or more on energy.

quadpod and is locked into place with a hand tightened set screw.
3. Quadpod constructed of corrosion resistant, non-sparking aluminum with powder coated finish.
4. No ballast box. No ballast to replace.
5. Extreme long life LEDs reduce maintenance and replacement costs.
6. Solid rubber tires. No flats or tube replacements.
7. 25 peel off mylar overspray lamp protectors ship with the unit.
8. 21,000 Lumens produced from only 150 watts.
9. Mercury free shock proof LED lamp light head.

3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.
7. Instant on/off – No flickering, delays or buzzing.
8. Very good color rendering.
9. Vibration/impact resistant.
10. Significantly cooler operation.
11. Less frequent outages, higher output improves workplace safety.

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

EPL-QPH-1X150RT-140DB-100

Product ID: 105049

Export Control Classification Number (ECCN): EAR99

Options:

EPL-QPH-1X150RT-140DB-100-Cord Cap

Example: EPL-QPH-1X150RT-140DB-100-1523

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

Links (Click on the below items to view):

- **Beam Information (Coverage, Datafile)**
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **CE Certificate**
- **Certificate 1, Misc**
- **Certificate 2, Misc**
- **Certificate 3, Misc**
- **IES (Photometric File)**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**