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EPL-QP-LP48-LED-100

104 Watt Explosion Proof LED Light Tower - Quadpod Mount - C1D1 - 100 foot Cord w/ EXP Plug

Product ID: 106198

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-QP-LP48-LED-100 Explosion Proof Low Profile LED

Lamp Type: LED
Listing: United States, Canada, Europe, Asia
Dimensions: 50"-L x 5"-W x 3"-H
Weight: 22 lbs
Voltage: Universal 100-277 VAC, 50/60Hz or 11-25V AC/DC
Total Watts: 104W
Lumens: 13,520
Luminous Efficacy: 130 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4500K, 3000K
Color Rendering Index: >75 CRI
Beam Angle: 100° Horizontal, 140° Vertical
Lighting Configuration: Wide Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Amperage: 0.87A @ 120V, 0.44 @ 240V, 0.38 @ 277V
Ambient Operating Temp Range:-50° C to +65°C
Operating Temp Rating: T5
Housing Material: Copper Free Cast Aluminum
Quadpod Material: Aluminum
Quadpod Finish: Powder Coated, Blue
Lens Material: Hardened Borosilicate Glass
Mounting: 7`-12` Adjustable Quadpod Light Tower
Wiring: 100` 16/3 SOOW Cable
Cord Cap: 5-15 (110-120V), 5-20 (110-120V), or 6-20 (208-240V)

Ratings/Approvals

Class I, Division 1&2, Groups B, C, D T5
Class II, Division 1&2 Groups E,F,G T5
Class III, Division 1&2 T5
ATEX 2G Ex d IIB+H2 T5 Gb
ATEX 1D Ex tb IIIC T5 Da
IECEx Ex d IIB+H2 T5 Gb
IECEx Ex tb IIIC T5 Da
Certified to UL 844 Ed. 13
Certified to UL 1598
Certified to UL 8750
Certified to C22.2 No. 137 Rev 2009
Certified to C22.2 No. 250.0
Certified to C22.2 No. 250.13
Certified to EN 60079-0:2012
Certified to EN 60079-1:2007
Certified to EN 60079-31:2009
Certified to IEC 80079-34:2011
Paint Spray Booth Approved
Factory Sealed Light Fixture

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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Fax: 1-903-498-3364
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The Larson Electronics EPL-QP-LP48-LED-100 Explosion Proof Quadpod Tower light fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. This explosion proof LED light has a T5 temperature rating and carries a paint spray booth, ATEX and IECEx certifications, and is approved for use in United States, Canada, Europe, and Asia markets. It is mounted on a durable, adjustable powder coated aluminum quadpod ideal for applications such as paint booths, oil rigs, offshore applications, petrochemical, manufacturing, chemical storage, water treatment centers, and food processing plants where a where flammable gases, vapors, or dusts exist or stand the potential to exist.

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

This Class 1 Division 1 & 2, Class 2 Division 1 & 2 low profile explosion proof light fixture provides 13,520 lumens of high quality light while only drawing 104 watts. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention at the 60,000 hour mark. Light weight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

The EPL-QP-LP48-LED-100 from Larson Electronics is an integrated low profile linear explosion proof LED light fixture with a unique design. Instead of using diffused glass, optics, or reflectors to distribute the light, Larson Electronics has positioned the boards within the fixture to provide a wide area light without sacrificing quality or light output. Two offset LED assemblies within the fixture allow this explosion proof linear lamp to provide a brilliant 100° horizontal beam spread and 140° vertical beam spread while achieving a 13,520 lumen output to maintain a small form factor. The LED assembly is protected behind a tempered borosilicate glass tube that is protected by an aluminum wire guard to prevent from accident damage to the light fixture.

Measuring only 5" in width, this fixture takes up half the surface area as a standard four foot 2-lamp explosion proof fixture. The surface mount fixture`s overall height with adjustable surface mount bracket is under 4.5", including the surface mount bracket itself, making the EPL-QP-LP48-LED-100 one of the lowest profile explosion proof light fixtures on the market. When compared to our EPL-48-2L-T5HO fixture, the EPL-QP-LP48-LED-100 fixture produces twice the light output while taking up less than half the surface area. The EPL-QP-LP48-LED-100 is an ideal for applications that require a wide area flood light.

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 is applied and emit 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 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 low voltage from 11-25 volts AC/DC. 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 13,520 lumens with a color temperature of 5000K 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).The EPL-QP-LP48-LED-100 comes mounted on a versatile quadpod providing a great wide area flood light.
Tower w/ Wheels: The adjustable and collapsible quadpod pod can be extended to twelve feet and collapsed to seven feet and is locked into position with t-handle locking pins. The unit is extended and lowered using an included hand crank cable winch equipped with a brake for fast and safe deployment. The quadpod is built from corrosion resistant aluminum and powder coated for additional durability. The light tower of the EPL-QP-LP48-LED-100 has a footprint of 8` with the legs completely flat and disassembles for easier movement through manyways and for other transportation and storage purposes. Operators can adjust the angle of the light up and down for their specific location needs. The included solid 8" polyurethene wheels allow the operator to tilt the unit back and simply roll the entire assembly to a new location when fully deployed.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: The Larson Electronics EPL-QP-LP48-LED-100 explosion proof flood light tower 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.*
Suggested Applications:
Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste water treatment plants, gas processing plants, offshore applications, oil tankers, mud tanks, sand mines, mining, cold weather applications.

High Quality Features

1. Each unit dialectically tested.
2. Low power consumption.
3. Instant on/off operation.
4. Fixture constructed of die-cast,corrosion resistant, copper free aluminum alloy with epoxy finish.
5. No ballast box. No ballast to replace.
6. Superior color rendering compared to HPS, LPS, MH.
7. Retains 80% lumen output after 60,000 operating hours.
8. Powder coated aluminum fixture body.
9. Mounting Options Include Surface and Pendant.
10. Low profile - Light weight

Superior LED Benefits

1. 60,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.

11. 13,520 Lumen output from only 104 watts
12. Lighter weight, slimmer, brighter alternative to fluorescent configurations.
13. Explosion Proof / Flame Proof US, CAN, ATEX, IECEx Rated for us in the United States, Canada, Mexico, England, Middle East, and Asia.

9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)







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Product ID: 106198

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

Options:
EPL-QP-LP48-LED-100-Cord cap
Example: EPL-QP-LP48-LED-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):

- Dimensional Drawing 2D
- Wiring Diagram
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- Video3
- Video4
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map