

EPL-QP-1X100LED-UVA-100

150W Explosion Proof UV LED Light Tower - Quadpod Mount - C1D1 - 365NM - 100' Cord w/ EXP Plug

Product ID: 154259

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-1X100LED-UVA-100 Explosion Proof UV LED Quadpod Tower

Listing: United States & Canada

Lamp Type: LED

Dimensions: 14"-W 16"-H 5"-D- Light Head - 7` to 12` - Quadpod

Weight: -

Voltage: 120-277V AC 50/60Hz

Total Watts: 150W

Total Intensity: 46,550 mW

Efficiency: 350 mW/w

Lamp Life: 50,000+ Hours

Wavelength Curve: 350-400 NM - Peak @ 365 NM

Color: Ultraviolet - 365 NM

Lighting Configuration: Flood Pattern

Lamp Housing Material: Copper-Free Cast Aluminum

Lens Material: Hardened Borosilicate Glass

Quadpod Material: Non-Sparking Aluminum Tubing w/ Rubber Casters

Mounting: Non-Sparking Wheeled Aluminum Quadpod

Wiring: 100` 16/3 SOOW Cable w/ EXP Cord Cap

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

Ratings

Listed for United States and Canada

Class I, Division 1 Groups C,D

Class I, Division 2 Groups A,B,C,D

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

Class III

T5 Temperature Rating

Certified to UL844 and C22.2 Standards

Paint Spray Booth Approved

LEL Approved

IP67 Rated Waterproof

Multiple Driver Banks

80% Intensity Retention after 50,000 Hours

LED Driver Specs

Input Voltage: 100-277V AC

Special Orders - Special Requirements

Contact us for special requirements

Input Current: 1.8A Max
Power Factor: 0.992
Output Voltage: 54V Max
Output Current: 2.1A

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The EPL-QP-1X100LED-UVA-100 Quadpod Mounted Explosion Proof UV LED Light Tower from Larson Electronics offers a portable UV lighting solution for combustible environments and hazardous locations. Capable of extending to 12 feet and retracting to 7 feet, the 150-watt UV LED light head provides a 365 nm beam during use. The portable LED light tower operates on universal 120-277V AC and comes with 100' of 16/3 SOOW cord and an explosion proof cord cap.

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

The EPL-QP-1X100LED-UVA-100 is a quadpod mounted explosion proof UV LED lighting system for flammable work sites. The UV LED light head provides 46,550 mW of high quality ultraviolet light while drawing only 150 watts. This high output UV LED fixture provides a 6,384 $\mu\text{W}/\text{cm}^2$ center beam maximum intensity at 12" while providing a minimum 2,660 $\mu\text{W}/\text{cm}^2$ intensity over a 14" by 14" area. Mounted on a quadpod, the fixture has been thoroughly tested with the DuPont line of ultraviolet curable paint and primers, accelerating the cure times over metal halide fixtures with surface temperatures as low as 55°F.

This UV LED light is universal voltage capable and can be operated with 100-277V AC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25V. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronics.



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LED Benefits: 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.

The EPL-QP-1X100LED-UVA-100 uses ultraviolet LED light technology, a technology that is far better in energy saving than traditional fluorescent bulbs used for the same purposes. Traditional ultraviolet lights require a coating to block out visible light or a special composition of gases and chemicals used to create a higher concentration of ultraviolet light. This process, however, also produces many other wavelengths of light which go unused and end up as wasted energy. LED lights are unique in that they have a narrower wavelength band than traditional ultraviolet sources and therefore do not require these special coatings. As a result, LED lights do not produce unused, wasted light and therefore consume less energy than traditional UV lights on the market. LED

lights have the added benefit of being capable of producing very specific wavelengths with tighter curves and are more durable and light weight as well. This eliminates harmful UV-B and UV-C wavelengths from being emitted from the light source, adding in productivity and safety during operation.

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5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring: The UV 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 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.

Quadpod Mounting: The EPL-QP-1X100LED-UVA-100 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 while the legs can be collapsed, aiding in deployment, storage and transport. The lamp can be easily adjusted vertically and locked into position.

Applications: Leak detection, paint spray booths, ink, coatings, adhesive curing, non-destructive testing, inspections, food processing and more.

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.

Frequently Asked Questions (FAQ)









EPL-QP-1X100LED-UVA-100

Product ID: 154259

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-QP-1X100LED-UVA-100-Cord Cap

Example: EPL-QP-1X100LED-UVA-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):

- [HigResPic1](#)
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- [HigResPic4](#)
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- [Video2](#)
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- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)