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EPL-48-2L-GSLED-VISUVA

68W Explosion Proof LED Visible White / UV Light -120-240V AC - Class 1 Div 1&2, Class 2 Div 1&2 - Paint Spray Booth

Product ID: 283745

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-48-2L-GSLED-VISUVA Explosion Proof LED Visible White / UV Light
Listing: NRTL Listed for United States & Canada
Dimensions: 52.262"-L x 11.866"-W x H-9.82"
Weight: 55 lb
Total Watts: 68 Watts
Voltage: 120-240 V AC

Amps: 0.57 A @ 120 V, 0.28 A @ 240 V

Total UV Intensity: 14,000 mW
Radiant Efficacy: 350 mW/w
Lumens: 3,500
Luminous Efficiency: 125 Lm/W
Lamp Life Expectancy: 50,000 Hours
Ambient Operating Temp Range: -40°C to 85°C
Operating Temp Rating: T6 Rated
Minimum Operating Temp: -40°C
Maximum Case Temp: +85°C

Beam Angle: 150°

UV Wavelength: Ultraviolet - 365NM
Mounting: Bracket Standard - Pendant Optional
Wiring Hub: 1/2" Threaded NPT

Approvals/Ratings
Class I Division 1, Groups C and D
Class I Division 2, Groups A,B,C,D
Class II Divisions 1 & 2, Groups E,F,G
NRTL Certified to UL 844 & UL 924
NRTL Certified to UL 1598 Marine Type
NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)
California Title 24 Compliant
Visible & UV Lamps On Separate Circuits

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA
The EPL-48-2L-GSLED-VISUVA from Larson Electronics is an Explosion

Proof LED LED Visible White / UV Light Fixture that is NRTL Listed for United States and Canada, rated for Class I Divisions 1 & 2, Class II Divisions 1 & 2, Paint Spray Booth approved, and is NRTL Certified to UL 1598A Wet Locations. This fixture can provide visible white light, UV light, or a combo of both at the same time. It uses advanced LED light technology to produce both visible white light and ultraviolet light and is T6 rated for hazardous locations where UV lamps are used in paint and adhesive curing, food inspection, or for non-destructive testing.

The EPL-48-2L-GSLED-VISUVA fixture is a 4 foot long, 2 lamp, Class 1 Division 1 & 2 and Class II Division 1 & 2 explosion proof LED light fixture that emits light in the ultraviolet spectrum. The EPL-48-2L-GSLED-VISUVA is made to order and is typically used for curing coatings or adhesives and for non-destructive testing. This lamp is protected by heat and impact resistant Pyrex tubes and the fixture is constructed of copper free aluminum alloy. The lamp reflectors are corrosion resistant heavy gauge aluminum coated with a high gloss reflective finish. This fixture can operate on voltages ranging from 120-240 V AC and is for use in hazardous environments, paint spray booths, wet environments, and areas where UV lamps are used in paint and adhesive curing, food inspection, and for non-destructive testing.

The EPL-48-2L-GSLED-VISUVA uses 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.

Visible White LED Lamp: The visible white LED lamp in the EPL-48-2L-GSLED-VISUVA is LEL listed, providing 125 lumens per watt for a total of 3,500 lumens per lamp. This T8 LED lamp offers 50,000 hour lamp life, over twice that of T8 or T5HO fluorescent lamps, while offering impact and vibration resistance far exceeding traditional light sources. The polycarbonate lens diffuses the light and makes this bulb ideal for food safe environments as there is no glass. The aluminum housing serves as a heat sink and provides rigidity and strength for this LED bulb.

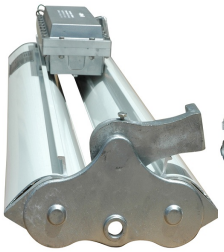
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive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

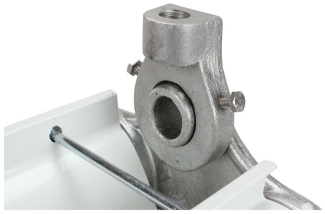
UV Lamp: The UV LED lamp in the EPL-48-2L-GSLED-VISUVA is a powerful 46.88" long LED strip light that produces 14,000 mW radiant intensity and is suitable for hazardous locations where UV lamps are used in paint and adhesive curing, food inspection or for non-destructive testing, as well as food processing, vision systems, and automation systems.

Ultraviolet Wavelength: Ultraviolet A Wavelength produces a longer wave between the 400nm - 315nm spectrum. This explosion proof LED light has a peak wavelength of 365NM.
Operation: Each lamp in the EPL-48-2L-GSLED-VISUVA operates on a separate circuit. This means that each lamp can be operated independently of the other in addition to being used simultaneaously. This offers an increased level of versatility and utility to the fixture.
The Class I & II, Divisions 1 & 2 LED ultraviolet light fixture can be used for non-destructive testing in aviation and manufacturing, food processing and inspection, and in paint, coating, and adhesive curing. The EPL-48-2L-GSLED-VISUVA provides operators in hazardous locations with a reliable and durable UV lighting solution that combines effective production of UV light with explosion proof protection and is applicable for leak detection, paint spray booths, ink, coatings, and adhesive curing, non-destructive testing, inspection, and food processing.

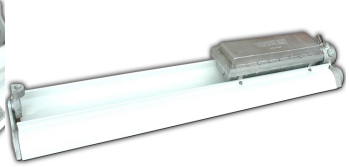

SURFACE MOUNT (STANDARD)
Click Image to Enlarge


Click Image to Enlarge


Click Image to Enlarge


PENDANT MOUNT (OPTIONAL)
Click Image to Enlarge


Click Image to Enlarge


Click Image to Enlarge

Mounting Options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown enlarged below. We also offer a pendant mount for those needing to suspend the fixture away from the ceiling surface (i.e. suspend from pipe or conduit). Additional mounting configurations can be customized to meet the requirements on the application. Please contact us for special mounting configurations.
Adjustable Surface Mount Brackets: Each bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg.
Suspension Mounting: Pendant mount fixtures hang from the ceiling and are suspended by rigid pipe. Each fixture features a 1/2" NPT junction box on one end, and a 1/2" NPT adjustable L-bracket on the other end of the fixture. Operators bring rigid pipe down to the threaded mounting hubs. Wiring is fed down through the rigid pipe to the junction box and tied in to the fixture's lead wires, completing the electrical connection. The adjustable L-shape mounting bracket provides support for the opposite end of the fixture.
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)





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EPL-48-2L-GSLED-VISUVA

Product ID: 283745

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

Options:

EPL-48-2L-GSLED-VISUVA-Mount

Example: EPL-48-2L-GSLED-VISUVA-SFC

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

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