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EPL-48-2L-UV

Explosion Proof Fluorescent Ultraviolet Light - Class 1 & 2 - 4' 2 lamp - Paint Booths, Rigs, Marine

Product ID: 47084

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-UV Explosion Proof Ultraviolet
Dimensions: W-11.25" L-52" H-8.5 "
Weight: 65Lbs
Total Watts: 64W
Voltage: Multi- 120V-277V 50/60hz
Total Lumens: T8 UV Bulbs 7120 total - 3560 per bulb

Lamp Life Expectancy: T8 UV Bulbs N/A

Efficiency: T8 UV Bulbs: N/A
Ambient Operating Temp Range:-30C to +70C
Operating Temp Rating: T6 Rated
Minimum Operating Temp: -30 C
Maximum Case Temp: 90 C
Beam Angle: N/A
Color: Ultraviolet- 400nm-315nm, 315nm-280nm, 280nm-100nm
Mounting: Bracket Standard - Pendant Optional
Wiring Hub: 1/2 inch threaded

***Wattage totals vary with different lamp options.**

Ratings
Class 1 Division 1, Groups C and D
Class 1 Division 2, Group A,B,C,D
Class II Division 1- 2, Groups E,F,G
NRTL Certified to UL 844, 924
NRTL Certified to UL 1598 Marine Type
NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)
NRTL Listed for United States & Canada
California Title 24 Compliant

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

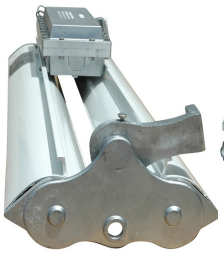
Made in the USA
The Larson Electronics EPL-48-2L-UV Explosion Proof UV Fluorescent Light Fixture is

NRTL Listed for United States and Canada Class 1 Division 1, Class II Division 1. This fixture uses a special ballast and bulb combination to produce ultraviolet light. This lamp is T6 rated and ideal for hazardous locations where UV lamps are used to cure coatings and adhesives or as germicidal agents.
The EPL-48-2L-UV fixture is a 4 foot long, 2 lamp, Class 1 Division 1 and Class II Division 1&2 explosion proof fluorescent light that emits light in the ultraviolet spectrum. The EPL-48-2L-UV is made to order and can be configured to produce UVA, UVB or UVC light which is typically used for curing coatings or adhesives, pest management or in germicidal applications. The lamps are 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 120V-277V 50/60Hz and is for use in paint spray booths. The EPL-48-2L-UV provides operators in hazardous locations with a reliable and durable UV lighting solution that combines effective production of UV light with explosion proof protection.



SURFACE MOUNT (STANDARD)

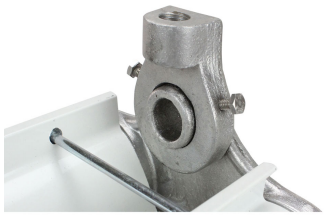
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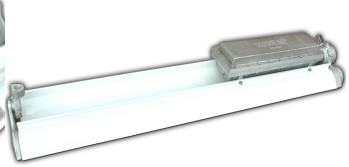


PENDANT MOUNT (OPTIONAL)

Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge

Ultraviolet Wavelength Options: Ultraviolet A Wavelength produces a longer wave between the 400nm - 315nm spectrum. Ultraviolet B Wavelength produces a shorter wave than the UVA wavelength. These medium sized waves range from 315nm - 280nm. Ultraviolet C wavelength is reduced exceptionally. Some refer to this wave as the `germicidal` wave. The Ultraviolet C Wavelength ranges from 280nm - 100nm.
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.

Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Adjustable mounting brackets enable the operator to choose any mounting angle for the fixture, where other models may only offer one or three choices.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Over-sized, finned ballast housing for 800 mA fixtures provides more heat dissipation and extends ballast life. Ballast housing easily accessible and externally mounted. Top and bottom covers secured with nuts and bolts, instead of threaded through holes, which can be damaged with dirt.
5. Heavy gauge extruded aluminum reflectors with high gloss reflective finish. Resists dents and corrosion.
6. A wrench is used to unscrew the end caps for relamping the fixture, while other models require the “tap and knock off” method to loosen the end cap.
7. Explosion proof, impact and heat resistant Pyrex tubes provide lamp protection.

Lamp Options

Lamp options for UV fixtures are determined by UV range. Operators can specify when ordering- UVA (-A part number suffix), UVB (-B) and UVC (-C suffix).

F17-T8 bulbs designed for UV applications are used. The bulb and ballast in our UV fluorescent fixtures are unique to UV applications.

UVA(-A) 400nm - 315nm
UVB (-B) 315nm - 280nm
UVC (-C) 280nm - 100nm

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Frequently Asked Questions (FAQ)





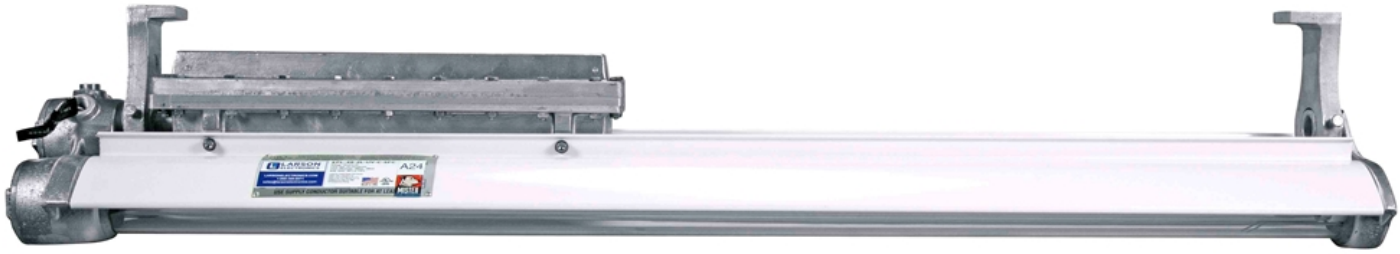
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EPL-48-2L-UV

Product ID: 47084

Export Control Classification Number (ECCN): EAR99

Options:

EPL-48-2L-UV-Wavelength-Mount

Example: EPL-48-2L-UV-UVA-SFC

Wavelength	
UVA	-UVA
UVB	-UVB
UVC	-UVC

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- CE Certificate
- Dimensional Drawing 2D
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- Solidworks EASM File
- SpecSheetArabic
- SpecSheetFrench
- SpecSheetRussian
- SpecSheetSpanish
- STEP File (3D CAD Model)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- Video1
- Video2
- Video4
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map