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EPL-24-2L-UV-EYM-15C-EPP

Class 1 & 2, Div 1 & 2 Explosion Proof UV Fluorescent Light - 2ft 2-Lamp - 15' Cord - EXP Plug

Product ID: 105695

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-24-2L-UV-EYM-15C-EPP Explosion Proof Ultraviolet
Wiring: 15` 16/3 SOOW Cable w/ EYM Seal Off & EXP Plug
Dimensions: W-11.25" x L-27.5" x H-8.5 "
Weight: 37 Lbs
Voltage: Universal 120-277VAC 50/60 Hz
Total Watts: 34 watts*
Total Lumens: N/A
Cord Cap: 5-15, 5-20, 6-20 - Explosion Proof
Lamp Life Expectancy: N/A
Luminous Efficiency (Lm/W): N/A
Lamp Color: Ultraviolet - UVA, UVB, or UVC
Nanometer:400nm-315nm, 315nm-280nm, 280nm-100nm
Beam Angle: 150°
Ambient Operating Temp Range: -20°C to +70°C
Operating Temp Rating: T6 Rated
Minimum Operating Temp: -30°C
Maximum Case Temp: +90°C
Housing Material: Cast Aluminum End Caps, Aluminum Reflectors - Copper Free
Lens Material: Hardened Borosilicate Glass Tubes
Gasket Material: Buna Rubber O-Rings
Mounting: Surface Standard

Ratings/Approvals
Class I Division 1, Groups C and D T6
Class I Division 2, Group A,B,C,D
Class II, Division 1 & 2, Groups E,F,G
NRTL Certified to UL 595 Marine Type (Saltwater)
NRTL Certified to UL 844
NRTL Certified to UL 1598 Marine Type
NRTL Listed for United States & Canada
Certified Canadian Standards
Listed for Paint Spray Booths
ABS Certified
California Title 24 Compliant
IP67 Rated - Waterproof
T6 Temperature Rating
NEMA 4X
Approved for Confined Spares

Special Orders - Special Requirements
Contact us for special requirements
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Made in the USA

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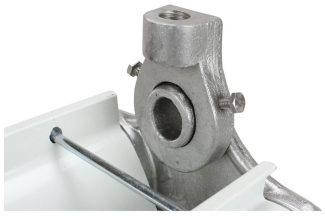
The Larson Electronics EPL-24-2L-UV-EYM-15C-EPP Explosion Proof UV Fluorescent Light Fixture is NRTL Listed for United States and Canada Class 1 Division 1, Class 2 Division 1 uses a special ballast and bulb combination to produce ultraviolet light. This lamp is T6 rated and ideal for hazardous locations where UV lamps are used to cure coatings and adhesives or as germicidal agents.

The EPL-24-2L-UV-EYM-15C-EPP fixture is a 2 foot long, 2 lamp, Class I Division 1 and Class II Division 1 & 2 explosion proof fluorescent light that emits light in the ultraviolet spectrum and is ideal for use in applications where space is at a premium. The EPL-24-2L-UV-EYM-15C-EPP 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 for use in paint spray booths. The EPL-24-2L-UV-EYM-15C-EPP provides operators in hazardous locations with a compact, reliable and affordable UV lighting solution that combines effective production of UV light with explosion proof protection.



SURFACE MOUNT (STANDARD)

Click Photo to Enlarge



PENDANT MOUNT (OPTIONAL)

Click Photo 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.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: The EPL-24-2L-UV-EYM-15C-EPP explosion proof light fixture is NRTL Listed for United States and Canada for use in paint spray booths. This fixture is equipped with a seal off and 15` of 16/3 chemical and abrasion resistant SOOW cable terminated in an explosion proof cord cap. Plug options include explosion proof 5-15 15 amp straight blade plug, explosion proof 5-20 20 amp straight blade plug, or explosion proof 6-20 20 amp straight blade plug. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

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 UVA (-A part number suffix), UVB (-B) and UVC (-C suffix).

F17-T8 bulbs (17 Watts each) 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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Product ID: 105695

Export Control Classification Number (ECCN): EAR99

Options:

EPL-24-2L-UV-EYM-15C-EPP-Cord Cap-Wavelength-Mount

Example: EPL-24-2L-UV-EYM-15C-EPP-1523-UVA-SFC

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

Wavelength	
UVA	-UVA
UVB	-UVB
UVC	-UVC

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **MSDS (Material Safety Data Sheet**
- **SpecSheetSpanish**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **Video1**
- **Video2**
- **Video4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**