

EPL-24-2L-UVC

Class 1 & Class 2 Division 1 Explosion Proof UV Fluorescent Light - (2) 2' UVC Lamps

Product ID: 272479

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: EPL-24-2L-UVC

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-UVC Explosion Proof Ultraviolet

NRTL Listed for United States & Canada

Dimensions: 11.69"-W x 26.91"-L x 8.96"-H

Weight: 37 lb

Voltage: Universal 120-277 V AC, 50/60 Hz

Total Watts: 40 Watts (20 W per lamp)

Total UV Output: 18.2 Watts (9.1 W per lamp)

Total UV Irradiance: 150 $\mu\text{W}/\text{cm}^2$ @ 1 Meter (75 $\mu\text{W}/\text{cm}^2$ @ 1 Meter per lamp)

Lamp Life Expectancy: N/A

Luminous Efficiency (Lm/W): N/A

Lamp Color: Ultraviolet - UVC

Wavelength: UV-C, 200nm - 280nm (254 nm)

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

Full Load Amperage: 0.384 A @ 120 V - 0.192 A @ 240 V

Housing Material: Cast Aluminum End Caps, Aluminum Reflectors - Copper Free

Lamp Type: T10

Lamp Base: G13 (Medium Bi-Pin)

Replacement Lamp: FRL-24-1X-T8-20W-UV-C

Lens Material: Hardened Borosilicate Glass Tubes

Ratings/Approvals

Class I Division 1, Groups C and D T6

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

Class II, Divisions 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

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 Spaces

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Gasket Material: Buna Rubber O-Rings
Mounting: Surface Standard - Pendant Optional
Wiring Hub: 1/2" NPT

Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics EPL-24-2L-UVC Explosion Proof UV Fluorescent Light Fixture is NRTL Listed for United States and Canada Class I Division 1, Class II 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.

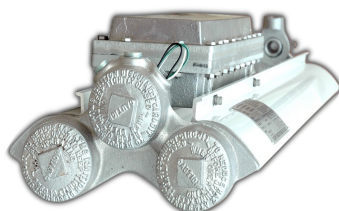
The EPL-24-2L-UVC fixture is a 2 foot long, 2 lamp, Class I Division 1 and Class II Divisions 1 & 2 explosion proof fluorescent light that emits light in the ultraviolet spectrum and is ideal for use in applications where space is at a premium. The EPL-24-2L-UVC is made to order and produces UVC light which is typically used 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 120-277 V AC, 50/60 Hz and is UL Listed for use in paint spray booths. The EPL-24-2L-UVC 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.

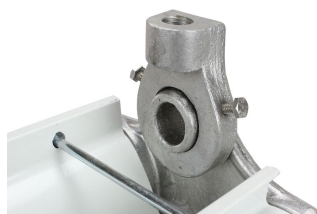


SURFACE MOUNT (STANDARD)

[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



PENDANT MOUNT (OPTIONAL)

[Click Photo 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.



Frequently Asked Questions (FAQ)

There are no Faqs

EPL-24-2L-UVC

Product ID: 272479

Export Control Classification Number (ECCN): EAR99

Options:

EPL-24-2L-UVC-Mount

Example: EPL-24-2L-UVC-SFC

Mount	
SURFACE	-SFC
PENDANT	-PND



Links (Click on the below items to view):

- **Dimensional Drawing 2D** (<https://www.larsonelectronics.com/images/product/DimensionalDrawing/272479.PDF>)
- **Eye Safety Information/Certificate** (<https://www.larsonelectronics.com/images/product/EyeSafety/272479.PDF>)
- **Operations Manual** (<https://www.larsonelectronics.com/images/product/Manual/272479.PDF>)
- **STEP File (3D CAD Model)** (<https://www.larsonelectronics.com/images/product/Step/272479.ZIP>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/272479.JPG>)
- **Video1** (<https://www.youtube.com/watch?v=OGbw09xDtqI>)
- **Video2** (https://www.youtube.com/watch?v=12Quu_Q_HmI)
- **Video4** (<https://www.youtube.com/watch?v=kqVBPI9B704>)
- **ISO 9001 Certification** (<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate** (<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map** (<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)