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EPL-24-2L-LV

Explosion Proof Fluorescent Fixture - 2 Foot, 2 Lamp - Class 1, Div. 1 - Low Voltage 9-32 VDC

Product ID: 47301

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-LV Explosion Proof

NRTL Listed for United States & Canada

Dimensions: W-11.25" L-27.5" H-8.5 "

Weight: 30 Lbs

Total Watts: 34 watts

Voltage: 12V - 24V

Total Lumens: F17-T8/841 Bulbs 2400

Lamp Life : F17-T8/841 Bulbs 24,000 Hours

Efficiency: F17-T8/841 Bulbs 184 Lumens per Watt

Ambient Operating Temp Range: -30 C to 70 C

Operating Temp Rating: T6 Rated

Minimum Operating Temp: -30 C

Maximum Case Temp: 90 C

Beam Angle: N/A

Color Temp: 4100K-STD-F17-T8/841 Bulbs

Mounting: Bracket Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

Ratings

Class 1 Division 1, Groups C and D

Class 1 Division 2, Group A,B,C,D

NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)

NRTL Certified to UL 844, 924

NRTL Certified to UL 1598 Marine Type

Class II Division 1- 2, Groups E,F,G

Certified Canadian Standards

Listed for Paint Spray Booths*****

California Title 24 Compliant

Special Orders - Special Requirements

Contact us for special requirements

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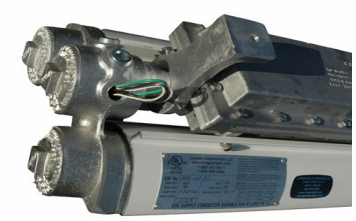
Made in the USA

The Larson Electronics EPL-24-2L-LV 12V/24V Explosion Proof Fluorescent Light Fixture is NRTL Listed for United States and Canada Class 1 Division 1, Class 1

Division 2, has a T6 temperature rating and is ideal for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist

Click here to see the LED version of this

The EPL-24-2L-LV fixture is a 2 foot long, 2 lamp, Class 1 Division 1 and Class 2 Division 1 & 2 explosion proof fluorescent light which is also approved for use in paint spray booth applications and a good choice for use in applications requiring a low voltage source of illumination. This T6 temperature rated fixture comes standard with T8 bulbs, and is designed to operate on 12 or 24 volts only. 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 and coated with a high gloss reflective finish. This fixture is multi-voltage capable and provides operators in hazardous locations with a reliable and affordable low voltage lighting solution that provides the best explosion proof protection available without sacrificing light quality or fixture durability.



Click Photo to Enlarge



Click Photo to Enlarge

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NOTE ON LAMPS: All hazardous location lights are shipped with bulbs. This fixture comes equipped with F17-T8/841 lamps producing 1,200 lumens per bulb, 20,000 hours of service life and a 4100 Kelvin color. Because of the fact that the fixture is low voltage, only T8 bulbs are available. The unit has an electronic ballast and only works with 12 or 24 volt lamps. Please specify your desired voltage option from the drop down menu below when ordering

Additional mounting options: Unless otherwise specified, our standard, most popular configuration is the bracket end mounting shown in the photos above. 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).

Standard Bracket Mounts: 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. The first picture shown above illustrates the ballast side bracket and also shows the access caps for changing the bulbs. The second picture shows the bracket at the opposite end of the fluorescent light.

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. Larger ballast box accommodates High Output lamp ballasts. 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

Lamp Options

F17-T8/841 – 17 watt, 1200 lumens per bulb, 24,000 hours life, 4100 Kelvin color (Suffix –T8)

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.
8. Spring loaded sockets on both ends hold lamps firmly for maximum shock and vibration protection.

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Frequently Asked Questions (FAQ)

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EPL-24-2L-LV

Product ID: 47301

Export Control Classification Number (ECCN): EAR99

Options:

EPL-24-2L-LV-Voltage

Example: EPL-24-2L-LV-12V

Voltage	
-12 VOLTS	-12V
24 VOLTS	-24V

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **IES (Photometric File)**
- **MSDS (Material Safety Data Sheet**
- **Solidworks EASM File**
- **SpecSheetArabic**
- **SpecSheetFarsi**
- **SpecSheetFrench**
- **SpecSheetRussian**
- **SpecSheetSpanish**
- **STEP File (3D CAD Model)**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**