

EPL-48-2L-T8-D

Dimmable T8 Explosion Proof, Waterproof Fluorescent Light -Paint Booth, Rigs - 2 Lamp - 4 foot

Product ID: 104952

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-T8-D Explosion Proof

NRTL Listed for United States & Canada

Dimensions: W-11.25" L-52" H-8.5 "

Weight: 65 Lbs

Total Watts: 64 watts

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

Total Lumens: 5,800

Lamp Life Expectancy: 24,000 Hours

Efficiency: 92 Lumens per Watt

Ambient Operating Temp Range: -20°C to +70°C

Beam Angle: N/A

Color Temp: varies with bulb choice

Mounting: Surface Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

Operating Temp Rating: T6 Rated

Minimum Operating Temp: -30 C

Maximum Case Temp: 90 C

***Temperatures above 65 degrees C will diminish ballast life from 5 years to 3 years)**

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 and 2, Groups E,F,G

UL Certified Canadian Standards

UL 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-48-2L-T8-D Dimmable Explosion Proof

Fluorescent Light Fixture is NRTL Listed for United States and Canada, rated Class 1 Division 1 and Class 1 Division 2 for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist. The unit carries a T6 temperature rating, it is also approved for Paint Spray Booths. [Click here to see the LED version of this light](#)

The EPL-48-2L-T8-D fixture is a 4 foot long, 2 lamp, Class 1 Division 1 and Class 2 Division 1&2 explosion proof dimmable fluorescent light which is also approved for use in paint spray booth applications. This T6 temperature rated fixture comes standard with two T8 fluorescent lamps. 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 is equipped with a dimming ballast. The EPL-48-2L-T8-D provides operators in hazardous locations with a reliable and affordable lighting solution that provides the best explosion proof protection available without sacrificing light quality or fixture durability.

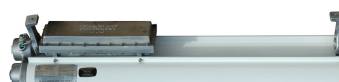


SURFACE MOUNT (STANDARD)

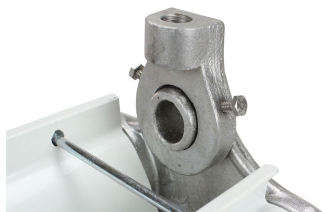
[Click Image to Enlarge](#)



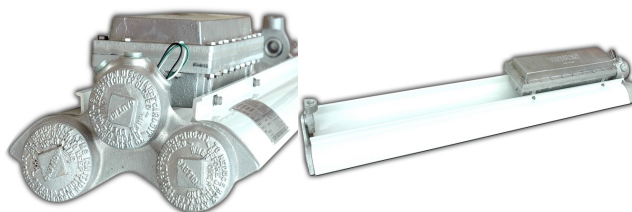
[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



PENDANT MOUNT (OPTIONAL)



We offer a choice of bulbs with all of our explosion proof fluorescent fixtures. However, this fixture standardize on the T8 bulbs mostly for longevity and high output. Many of our customers, including Naval bases, shipyards, oil rigs and petrochemical processing plants operate in very cold conditions, and T12VHO bulbs operate well in those environments. Larson Electronics offers a T12VHO lamp option, 110 watt Very High Output lamps make this fixture an ideal replacement for 400 watt metal halide surface mount fixtures in hazardous location areas requiring Class 1 Division 1 rated lights. *However, the 110 watt T12VHO lamp configuration is not appropriate for paint spray booth applications. [Please click here for the EPL-48-2L-T12VHO model.](#)

Energy Consumption Comparison

	<u>T5HO</u>	<u>T8</u>	<u>LED</u>
Wattage	108 watts	64 watts	48 watts
Amp Draw @ 120V AC	0.9 amps	0.54 amps	0.4 amps
Amp Draw @ 277V AC	0.39 amps	0.24 amps	0.18 amps
Amp Draw @ 12V DC	9 amps	5.34 amps	4 amps
Amp Draw @ 24V DC	4.5 amps	2.67 amps	2 amps
Lamp Life Expectancy	20,000 hours	24,000 hours	50,000 hours
Color Temperature	5000K / 4100K	4100K	5300K
Operation cost per year (8hrs/day @ 11c/kWh)	\$34.69	\$20.56	\$15.42

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.



Surface Mount (Standard)



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

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.



Pendant Mount (Optional)



[Click Photo to Enlarge](#)



[3 Conduit Positions](#)



[Click Photo to Enlarge](#)

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.

Lamp Options

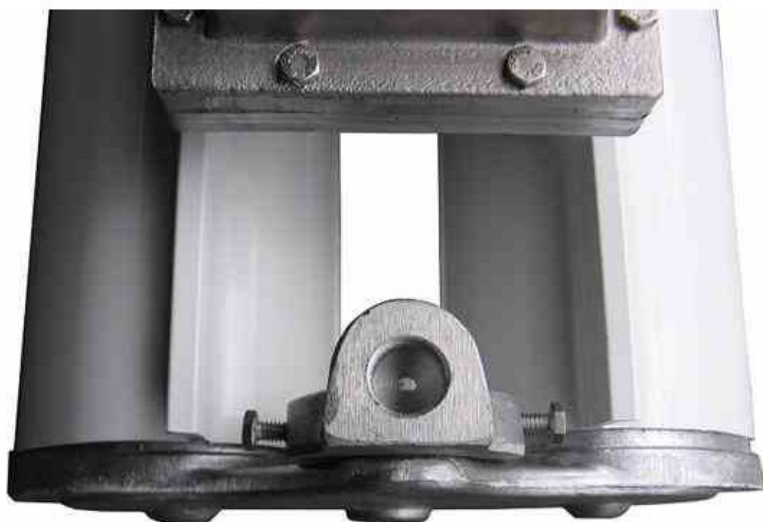
F32-T8/841 - 32 watt, 2,900 lumens per bulb, 24,000 hour

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 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.
- life, 4100 Kelvin color, CRI 85

Frequently Asked Questions (FAQ)







Pendant Mount



Surface Mount

EPL-48-2L-T8-D

Product ID: 104952

Export Control Classification Number (ECCN): EAR99

Options:

EPL-48-2L-T8-D-Mount

Example: EPL-48-2L-T8-D-SFC

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [IES \(Photometric File\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [SpecSheetSpanish](#)
- [STEP File \(3D CAD Model\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)