

EPL-48-1L

EPL-48-1L Surface Mount Explosion Proof, Waterproof Fluorescent Lights -Paint Booth, Rigs - 1 Lamp

Product ID: 64302

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-48-1L Explosion Proof

NRTL Listed for United States & Canada

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

Weight: 65 Lbs

Total Watts: 54watts*

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

Total Lumens: STD-T5-HO Bulbs 5,000

Lamp Life Expectancy: STD-T5-HO Bulbs 20,000 Hours

Efficiency: STD-T5-HO Bulbs 92 Lumens per Watt

Ambient Operating Temp Range: -20 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: varies with bulb choice

Mounting: Surface Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

*Substitution of included standard bulbs for higher output lamps may affect paint spray booth approval.

*Wattage totals are lamps only and may vary with different lamps.

*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 Certification to UL 595 Outdoor Marine Type (Saltwater)

NRTL Certification to UL 844, 924

NRTL Certification to UL 1598 Marine Type

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

Listed for Paint Spray Booths

***California Title 24 Compliant**

Special Orders - Special Requirements

Contact us for special requirements

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Made in Texas

The Larson Electronics EPL-48-1L Explosion Proof Fluorescent Light Fixture is NRTL Listed for United States and Canada 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.

The EPL-48-1L fixture is a 4 foot long, single 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. This T6 temperature rated fixture comes standard with one fluorescent lamp. Lamp choices include T5HO, T12HO, and T8. The lamp is protected by heat and impact resistant Pyrex tube and the fixture is constructed of copper free aluminum alloy. The lamp reflector is corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. This fixture is multi-voltage capable and is available with a variety of lamp options. The EPL-48-1L 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 Photo to Enlarge](#)



SURFACE

[Click Photo to Enlarge](#)



PENDANT



PENDANT MOUNT (OPTIONAL)

[Click Photo to Enlarge](#)

We offer a choice of bulbs with all of our explosion proof fluorescent fixtures. We standardize on the T5HO bulb mostly for longevity and high output. However, many of our customers, including Naval bases, shipyards, oil rigs and petrochemical processing plants operate in very cold conditions, and T12HO 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.

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.

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).

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

Lamp Options

F54-T5/850/HO – 54 watt, 5000 lumens per bulb, 20,000 hours life, 5000 Kelvin color, CRI 85 RHA-UNV-254-LT5
Ballast is THD<10% and HPF .98 (Suffix -50KT5)
F54-T5/841/HO - 50 watt, 4450 lumens per bulb, 20,000 hour life, 4100 Kelvin color, CRI 85 (Suffix -41KT5)
F48-T12/HO – 60 watt, 4050 lumens per bulb, 12,000 hours life, 4100 Kelvin color (Suffix -T12HO)

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.

F32-T8/841 – 32 watt, 2950 lumens per bulb, 24,000 hours life, 4100 Kelvin color (Suffix –T8)

F48-T8/HO - 48 watt, 4000 lumens per bulb, 18,000 hours life, 4100 Kelvin color (Suffix -T8HO)

T12HO with magnetic ballast for high heat configurations ("hot box" explosion proof light applications) - 60 watt, 4050 lumens per bulbs - This bulb, ballast and wiring configuration is designed for applications to 165 degrees C.

F48-T12-D-HO – 60 watt, 4050 lumens per bulb, 12,000 hours life, 5100 Kelvin color (76 CRI - Color Rendition) - This specialty lamp is designed to mimic daylight conditions. For paint spray booth operators requiring a brighter color light than a traditional "cool white", this bulb can be useful. (Suffix –T12DHO)



Frequently Asked Questions (FAQ)









EPL-48-1L

Product ID: 64302

Export Control Classification Number (ECCN): EAR99

Options:

EPL-48-1L-Lamp-Mount

Example: EPL-48-1L-50KT5HO-SFC

Lamp	
54W 5000K-T5HO	-50KT5HO
32W T8	-T8
60W T12HO	-T12HO
54W 4100K-T5HO	-41KT5HO
T12DL	-T12DL
28W T5	-T5

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [SpecSheetSpanish](#)
- [STEP File \(3D CAD Model\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [Video1](#)
- [Video2](#)
- [Video3](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)