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EPL-48-2L-480V-T5HO

480V Surface Mount Explosion Proof Fluorescent Lights -Paint Booth - Rigs - 2 Lamp - 4 foot - T5HO

Product ID: 70951

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-480V-T5HO Explosion Proof

NRTL Listed for United States & Canada

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

Weight: 65 Lbs

Total Watts: 108 watts*

Voltage: 480 VAC

Total Lumens: STD-T5-HO Bulbs 10000

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

Efficiency: STD-T5-HO Bulbs 83 Lumens per Watt

Ambient Operating Temp Range:-20 C to 70 C*

Beam Angle: N/A

Color Temp: 5000k or 4100k

Mounting: Bracket Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

Operating Temp Rating: T6 Rated

Minimum Operating Temp: -30 C

Maximum Case Temp: 90 C

Ratings

Class 1 Division 1, Groups C and D

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

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

NRTL Certified to UL 844, 924

NRTL Certified to UL 1598 Marine Type

NRTL Certified to UL 595 Outdoor Marine Type (Saltwater)

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

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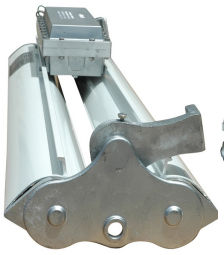
The Larson Electronics EPL-48-2L-480V-T5HO Explosion Proof Fluorescent Light Fixture is NRTL Listed for United States and Canada, Class 1 Division 1 and Class 1 Division 2 for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist. The unit carries a T6 temperature rating, operates with 480 VAC, and is approved for Paint Spray Booths.

The EPL-48-2L-480V-T5HO fixture is a 4 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. This T6 temperature rated fixture comes standard with two 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 configured to operate with 480 VAC high voltage current only. The EPL-48-2L-480V-T5HO 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)

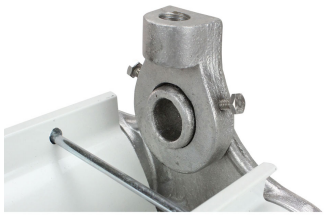
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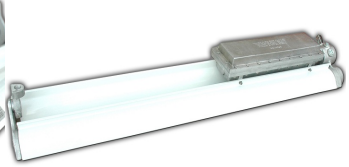


PENDANT MOUNT (OPTIONAL)

Click Image to Enlarge



Click Image to Enlarge



Click Image 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.

Energy Consumption Comparison

	T5HO	T8	LED

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 (8hs/day @ 11c/kWh)	$34.69	$20.56	$15.42

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 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

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 - 54 watt, 4450 lumens per bulb, 20,000 hour life, 4100 Kelvin color, CRI 85 (Suffix -41KT5)

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Frequently Asked Questions (FAQ)

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Product ID: 70951

Export Control Classification Number (ECCN): EAR99

Options:

EPL-48-2L-480V-T5HO-Color Temp-Mount

Example: EPL-48-2L-480V-T5HO-5000K-SFC

Color Temp	
5000K	-5000K
4100K	-4100K

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **MSDS (Material Safety Data Sheet**
- **Operations Manual**
- **SpecSheetSpanish**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**