Larson Electronics LLC
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EPL-EMG-48-2L-T8

Explosion Proof Emergency Fluorescent Light Combination - 4 foot - 2 T8 lamps - Class I, Div I

Product ID: 48472

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-EMG-48-2L-T8 Explosion Proof
NRTL Listed for United States & Canada

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

Weight: 65 Lbs

Voltage: Multi- 120V-60hz 220V-50hz 240V-60hz 277V-60hz
Total Watts: 64 watts

Total Lumens: F32-T8/841 Bulbs 5,900

Color Temp: 4100K

Beam Angle: N/A
Lamp Life Expectancy: F32-T8/841 Bulbs 30,000 Hours
Luminous Efficacy: F32-T8/841 Bulbs92.18 Lm/W
Ambient Operating Temp Range -30° C to 70° C
Operating Temp Range: T6 Rated

Minimum Operating Temp: -30° C

Maximum Case Temp: 90° C

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*
Switch Leg for Powering Light On/Off

Special Orders - Special Requirements
Contact us for special requirements

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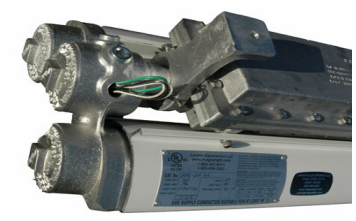
Made in the USA
The Larson Electronics EPL-EMG-48-2L-T8 Explosion Proof Emergency Lights & Fluorescent light Combination is NRTL Listed for United States

and Canada Class 1 Division 1, Class 1 Division 2 and ideal for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist.

The EPL-EMG-48-2L-T8 is a 4 foot long, 2 lamp, Class 1 Division 1 and Class 2 Division 1and 2 explosion proof fluorescent light which is equipped with an added battery backup providing 90 minutes of emergency runtime. This T6 temperature rated fixture comes standard with two T8 fluorescent lamps which produce a combined 5,500 lumens of light. This fixture is multi-voltage capable and provides operators in hazardous locations with a reliable and durable lighting solution that provides explosion proof protection along with the security of an emergency battery backup.



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This fluorescent light works, mounts and is wired like our EPL-48-2L explosion proof fluorescent light fixtures. The main difference is that we attach an extra Bodine ballast box to the unit that adds emergency light functionality to the fixture. This explosion proof emergency light will run the standard 90 minutes after power is lost. The light recharges the battery once electrical power is restored. Standard configuration includes a single emergency ballast that will run a single lamp at 2750 lumens for 90 minutes. For an additional charge, a second ballast can be added to run a second lamp for 5500 total lumens output for 90 minutes. The battery backup unit includes a switched leg for turning the light fixture on/off without kicking the unit into emergency mode.

NOTE ON LAMPS: This unit comes equipped with an electronic ballast and F32-T8/841 bulbs which produce 2750 lumens per bulb and have a rated lifespan of 24,000 hours.

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 dielectrically 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

Lamps

F32-T8/841 – 32 watt, 2750 lumens per bulb, 30,000 hours life, 4100 Kelvin color (Suffix –T8)

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.

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Frequently Asked Questions (FAQ)

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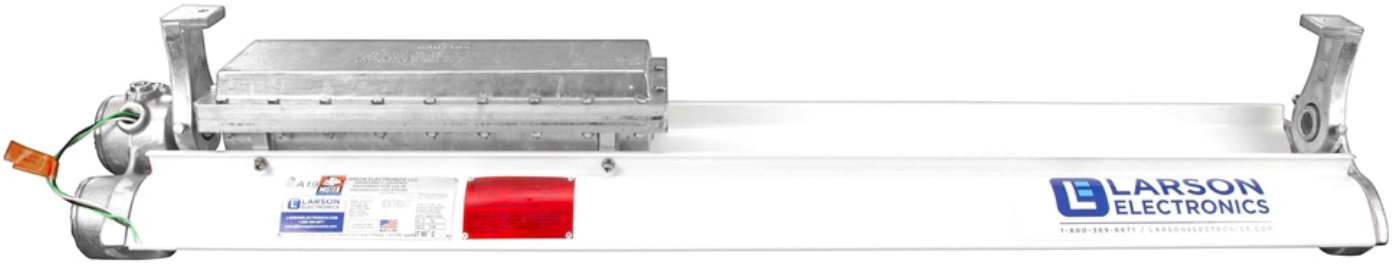

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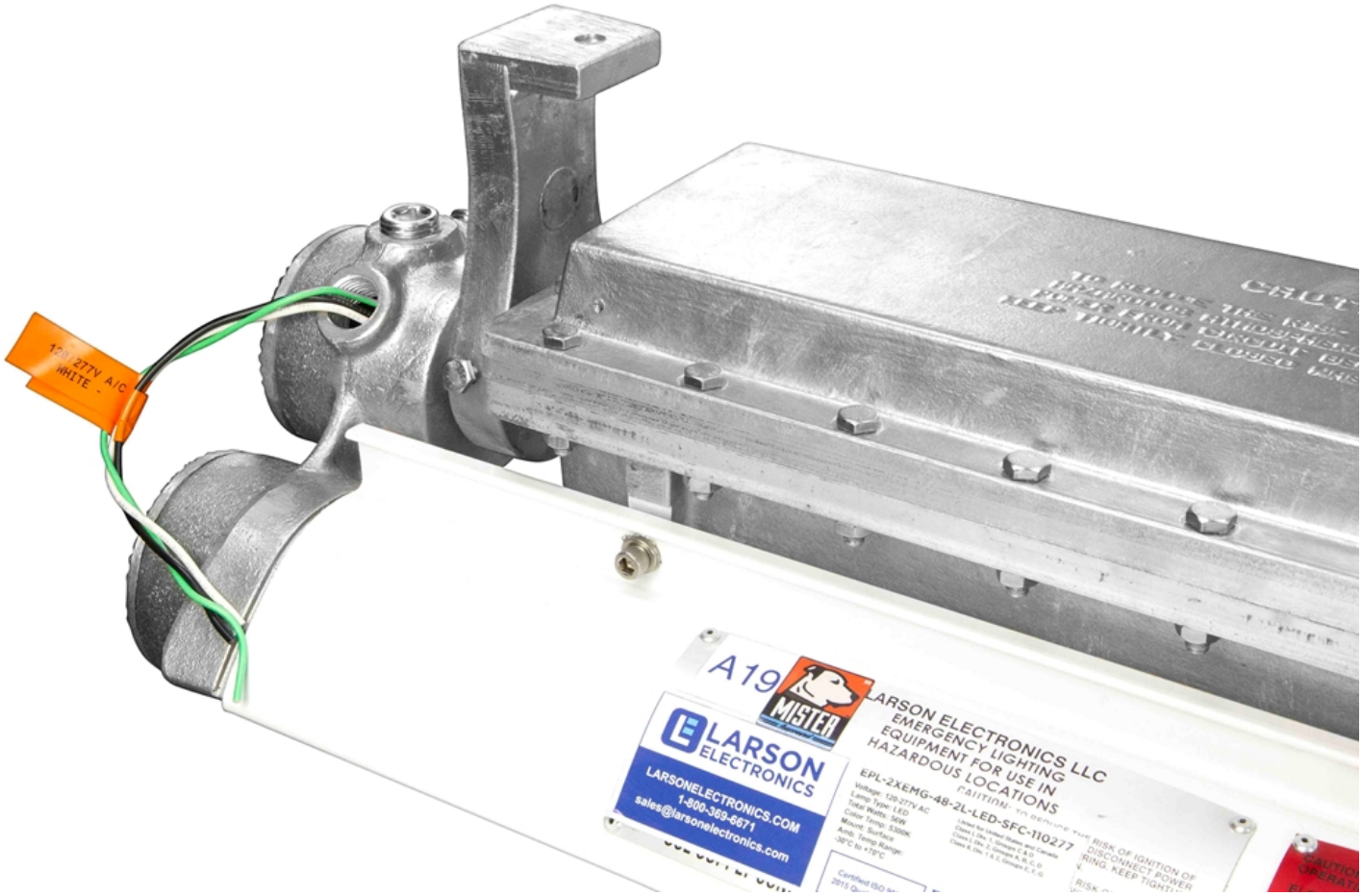

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EPL-EMG-48-2L-T8

Product ID: 48472

Export Control Classification Number (ECCN): EAR99

Options:

EPL-EMG-48-2L-T8-Mount-Color Temp

Example: EPL-EMG-48-2L-T8-PND-41K

Mount	
PENDANT	-PND
SURFACE	-SFC

Color Temp	
4100K	-41K
5000K	-50K

Links (Click on the below items to view):

- Dimensional Drawing 2D
- MSDS (Material Safety Data Sheet
- Operations Manual
- Solidworks EASM File
- SpecSheetArabic
- SpecSheetFrench
- SpecSheetSpanish
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map