Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPL-EMG-24-2L-T8

Explosion Proof Fluorescent Light - 2 foot - 2 lamp - Emergency Backup Ballast - T8 -Multi-voltage

Product ID: 49725

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-24-2L-T8 Explosion Proof
NRTL Listed for United States & Canada
Lamp Type: Fluorescent
Dimensions: W-11.25" L-27.5" H-8.5 "
Weight: 55 Lbs
Voltage: Multi- 120V-60hz 220V-50hz 240V-60hz 277V-60hz
Total Watts: 48 watts*
Total Lumens: 2,650
Luminous Efficacy: 55 Lm/W
Lamp Life Expectancy: 24,000 Hours
Color Temp: 4100K
Beam Angle: N/A
Operating Temp Range: T6 Rated
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
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
Switch Leg for Powering Light On/Off

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

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

Made in the USA
The Larson Electronics EPL-EMG-24-2L-T8 Explosion Proof Fluorescent

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Light Fixture is NRTL Listed for United States and Canada Class 1 Division 1, Class II Division 1 and ideal for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist.

The EPL-EMG-24-2L-T8 fixture is a 2 foot long, 2 lamp, Class 1 Division 1 and Class II Division 1 & 2 explosion proof fluorescent light and an ideal choice for use in applications where space is at a premium. This T6 temperature rated fixture comes standard with F17-T8/HO lamps and is available with a variety of lamp options which are listed below. 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 for use in paint spray booths.

The EPL-EMG-24-2L-T8 provides operators in hazardous locations with a compact, reliable and affordable 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



Click Photo to Enlarge

This fluorescent light works, mounts and is wired like our EPL-EMG-24-2L-T8 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 1350 lumens for 90 minutes. For an additional charge, a second ballast can be added to run a second lamp for 1800 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 F17-T8/HO bulbs which produce 2650 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

Lamp Options

F17-T8/HO – 1325 lumens per bulb (2650 lumens total), 24,000 hours life, 4100 Kelvin color

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. 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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EPL-EMG-24-2L-T8

Product ID: 49725

Warranty: 60 Months

Export Control Classification Number (ECCN): EAR99

Options:

EPL-EMG-24-2L-T8-Mount

Example: EPL-EMG-24-2L-T8-SFC

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **MSDS (Material Safety Data Sheet**
- **Operations Manual**
- **SpecSheetArabic**
- **SpecSheetFarsi**
- **SpecSheetFrench**
- **SpecSheetSpanish**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**