

EPL-EMG-48-2L-T8-D

Explosion Proof Emergency Fluorescent Light Combination - Dimmable Ballast - C1D1 - 2 T8 lamps - 4'

Product ID: 106352

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-D Explosion Proof Dimmable Fluorescent Light

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 Bulbs 92.18 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 I Division 1, Groups C and D

Class I 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

Dimmable Ballast

Works With Standard Fluorescent Dimmable Switches

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics EPL-EMG-48-2I-T8-D Explosion Proof Emergency Lights & Fluorescent dimmable light combination is NRTL Listed for United States and Canada Class I Division 1, Class I Division 2 and ideal for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist. This fluorescent light fixture includes a dimmable ballast that allows operators to dim the light output of the fixture via standard fluorescent dimmable switches.

The EPL-EMG-48-2I-T8-D is a 4 foot long, 2 lamp, Class I Division 1 and Class II Division 1 and 2 explosion proof dimmable 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. A dimmable ballast allows these explosion proof fluorescent lights to be dimmed via standard fluorescent dimmable switches.



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

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. The included ballast also allows for dimming via standard fluorescent dimmable switches.

NOTE ON LAMPS: This unit comes equipped with a dimmable 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.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power

accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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 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.

Lamps

F32-T8/841 - 32 watt, 2950 lumens per bulb, 30,000 hours life, 4100 Kelvin color (Suffix -T8)

Frequently Asked Questions (FAQ)

EPL-EMG-48-2L-T8-D

Product ID: 106352

Export Control Classification Number (ECCN): EAR99

Options:

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

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

Mount		Color Temp	
PENDANT	-PND	4100K	-41K
SURFACE	-SFC	5000K	-50K

Links (Click on the below items to view):

- [MSDS \(Material Safety Data Sheet\)](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)