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-BX

Explosion Proof Fluorescent Emergency Light with Battery Backup - 2' 2 Lamp Fixture - Bi-Axial Bulb

Product ID: 71406

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-BX Explosion Proof
NRTL Listed for United States & Canada

Lamp Type: Fluorescent

Dimensions: W-11.25" L-27.5" H-8.5"

Weight: 25 Lbs

Voltage: Multi- 120V-60hz 220V-50hz 240V-60hz 277V-60hz

Total Watts: 80 watts

Total Lumens: 6000
Luminous Efficacy: 75 Lm/W
Lamp Life Expectancy: 20,000+ Hours

Color Temp: 4100K
Color Rendering Index: >75 CRI

Beam Angle: N/A
Power Efficiency: >95%
Power Factor: 0.992
Ambient Operating Temp Range:-30° C to +70° C
Operating Temp Rating: T6 Rated

Mounting: Bracket Standard - Pendant Optional

Wiring Hub: 1/2 inch threaded

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 1598 Marine Type
NRTL Certified to UL 844, 924
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

Made in the USA

The Larson Electronics EPL-EMG-24-2L-BX Explosion Proof Fluorescent Four Bi-Axial Bulb Light Fixture is NRTL Listed for United States and Canada Class 1 Division 1, Class 2 Division 1 and 2, carries a T6 temperature rating and ideal for hazardous locations where flammable chemical/petrochemical vapors exist or have the potential to exist.

Click here to see the LED version of this fixture

The EPL-EMG-24-2L Emergency Light 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 two Bi-Axial 40 watt compact fluorescent bulbs which produce a combined 80 watts of illumination. 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 is for use in paint spray booths.

The EPL-EMG-24-2L-BX 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 Biaxial 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 the 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 standard electrical power is restored and maintains the battery until needed again. Standard configuration includes a single emergency ballast that will run a single lamp at 900 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.

This Biaxial Lamp fixture is multi-voltage capable and can operate on voltages ranging through 100/120 Volts 60 HZ, 220 Volt 50 HZ, 240 Volt 60 HZ, and 277 Volts 60 HZ with 347 Volt and 480 Volt versions available upon request.

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 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

40 Watt Bi-Axial Compact Fluorescent Lamp - 4100K Color Temp, 3000 Lumens per Lamp

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Frequently Asked Questions (FAQ)









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EPL-EMG-24-2L-BX

Product ID: 71406

Export Control Classification Number (ECCN): EAR99

Options:

EPL-EMG-24-2L-BX-Mount

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

Mount	
SURFACE	-SFC
PENDANT	-PND

Links (Click on the below items to view):

- MSDS (Material Safety Data Sheet
- Operations Manual
- SpecSheetSpanish
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- Video1
- Video2
- Video3
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map