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**EXP-EMG-2L-LE6-V8**

# Explosion Proof Bug Eye Emergency LED Fixture - Class I, II, III - (2) LED Lamps - Power Relay

**Product ID: 272280**

**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.**

**EXP-EMG-2L-LE6-V8 Explosion Proof Emergency LED Exit Sign**

**Listing:** NRTL Listed for United States and Canada
**Lamp Technology:** LED
**Dimensions:** 25”H x 22”W x 4.5”D
**Weight:** -
**Voltage:** 120/277V AC, 60Hz
**Watts:** 2.2W
**Lumens:** 66 lms
**Luminous Efficacy:** 30 Lm/W
**LED Life Expectancy:** 100,000 Hours
**LED Light Color:** White
**CRI:** -
**Lamp Type:** -
**Lamp Base:** -
**Replacement Lamp:** -
**Beam Angle:** -
**Lighting Configuration:** Flood Pattern
**Adjustability: Lamp Heads Horizontally & Vertically Adjustable**
**Amps:** 0.018A @ 120V, 0.009A @ 240V, 0.007A @ 277V
**Ambient Operating Temp:** 0°F to +113°F
**Housing Material:** Die Cast Aluminum
**Housing Color:** Powder Coated - Grey
**Lens Material:** Polycarbonate
**Mounting:** Surface Mount

**Ratings/Approvals**

Class I, Divisions 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H2, IIA
Class II, Divisions 1 & 2, Groups E, F, G
Class III, Divisions 1 & 2
NEMA 3R, 4, 7 (B,C,D), 9 (E,F,G)
NRTL Listed to UL 508A
NRTL Listed to UL 1203
NRTL Listed to CSA C22.2 No 14, 25, 30
Horizontal and Vertical Adjustable
CE Certified
Power Relay

**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

**Wiring:** Operator Provided Wiring & Seal Off

**The EXP-EMG-2L-LE6-V8 from Larson Electronics is an Explosion Proof Bug Eye Emergency LED Fixture that is Class I, Divisions 1 & 2, Groups B, C, D, Class I, Zones 1 & 2, Groups IIB+H2, IIA, Class II, Divisions 1 & 2, Groups E, F, G and Class III, Divisions 1 & 2 rated for hazardous areas. The EXP-EMG-2L-LE6-V8 produces 66 total fixture lumens while drawing only 2.2 total watts and and features a power relay, which connects with existing power systems and backup power systems (emergency power source not included).**

The EXP-EMG-2L-LE6-V8 explosion proof emergency bug eye LED fixture is ideal for installation in hazardous areas that require emergency illumination in the event of a power failure or power outage. This fixture features three explosion proof enclosures that are configured in a bug eye layout. The two upper enclosures house the LEDs while the bottom enclosure contains an indicator light. The unions between the upper enclosures and the lower enclosure allow for both horizontal and vertical adjustment.

**Light Features:** The EXP-EMG-2L-LE6-V8 features two lamps that each contain eight LEDs that draw a total of 1.1 watts per lamp. Each lamp produces 33 lumens of high-intensity white LED light for a fixture total of 66 lumens produced while drawing a total of 2.2 watts. This explosion proof emergency LED fixture features brown-out, short circuit and voltage surge protection.

**LED Benefits:** Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

**Explosion Proof Ratings:** The EXP-EMG-2L-LE6-V8 from Larson Electronics is an explosion proof emergency LED fixture. This particular unit is Class I, Divisions 1 & 2, Groups B, C, D, Class I, Zones 1 & 2, Groups IIB+H2, IIA, Class II, Divisions 1 & 2, Groups E, F, G and Class III, Divisions 1 & 2 rated for hazardous areas.

**Wiring:** The EXP-EMG-2L-LE6-V8 explosion proof emergency LED fixture is **NOT** a factory sealed fixture. Operators will bring their own wiring to a junction box and complete their connects. The operator will also provide their own seal off for this fixture. The EXP-EMG-2L-LE6-V8 operates on 120/277V AC @ 60Hz and contains a power relay that activates the light. This unit can be wired to existing power systems and backup power systems. When power is unavailable, the LED fixture detects the disconnection and activates the light. The emergency circuit powers the light in such instances.

**Mounting:** The EXP-EMG-2L-LE6-V8 is designed to be surface mounted to flat surfaces such as walls. The unions connecting the upper lamps to the lower indicator light enclosure allow for both horizontal and vertical adjustment. This gives operators the ability to adjust the light to their specific mounting location for ideal light coverage during a power failure or power outage.

**Suggested Applications:** The EXP-EMG-2L-LE6-V8 is ideal for use as emergency lighting in areas where an explosion proof fixture is required.

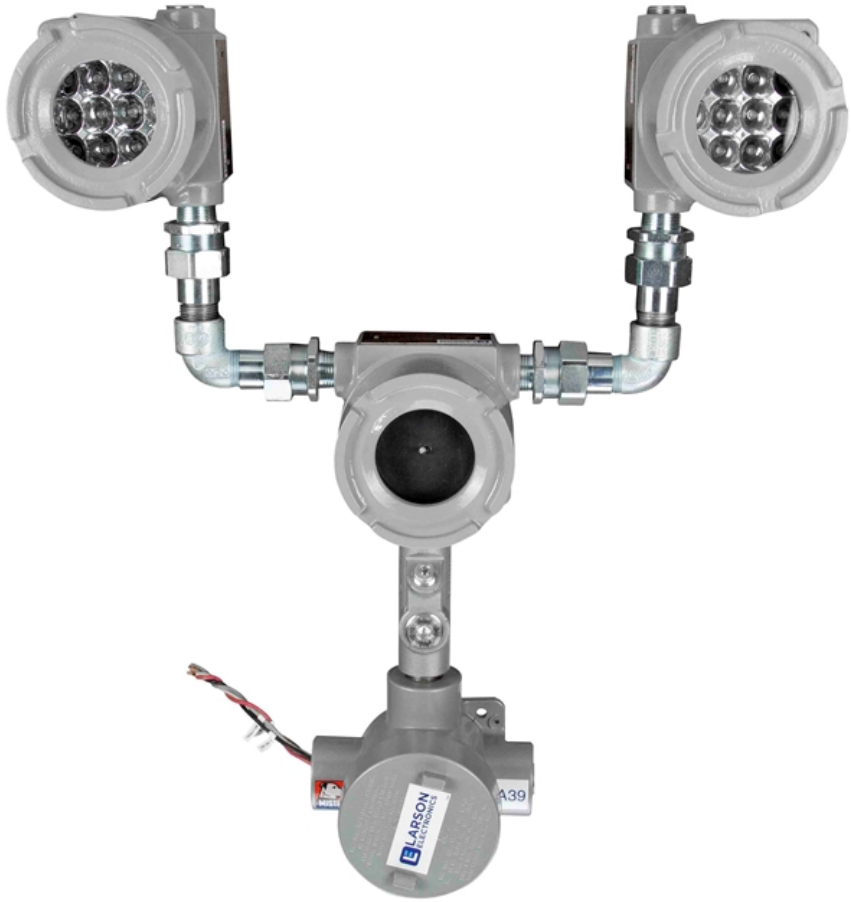
At Larson Electronics, we do more than meet your lighting needs. We also provide

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.

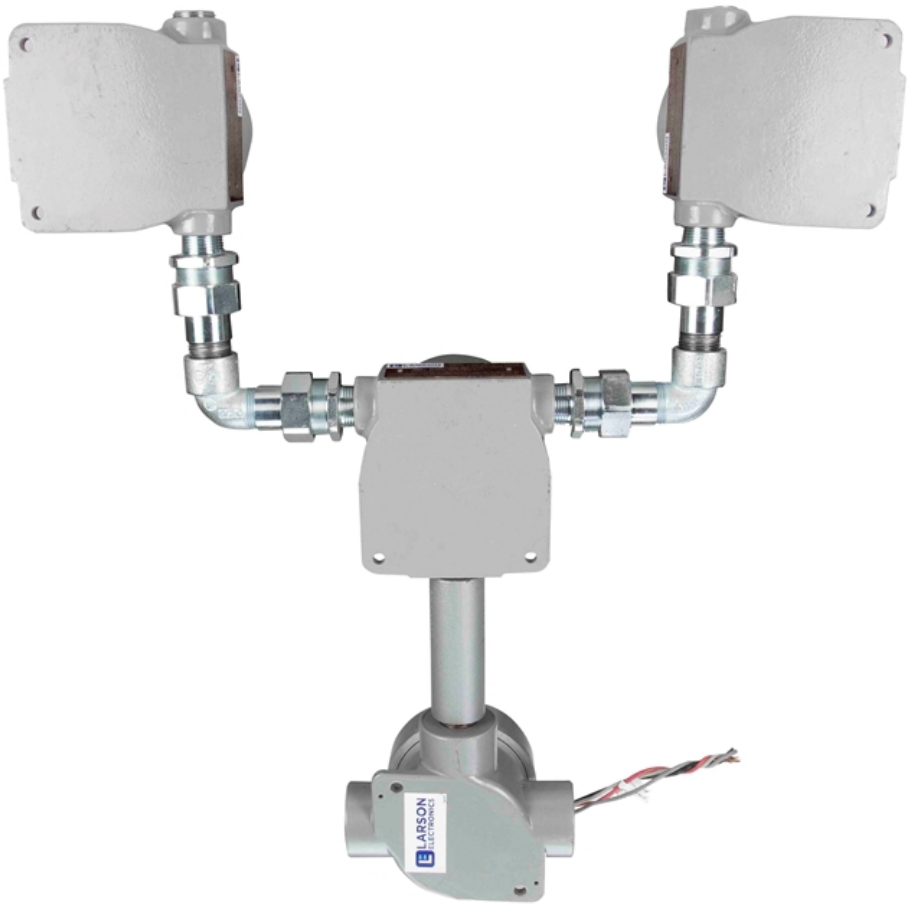
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# Frequently Asked Questions (FAQ)

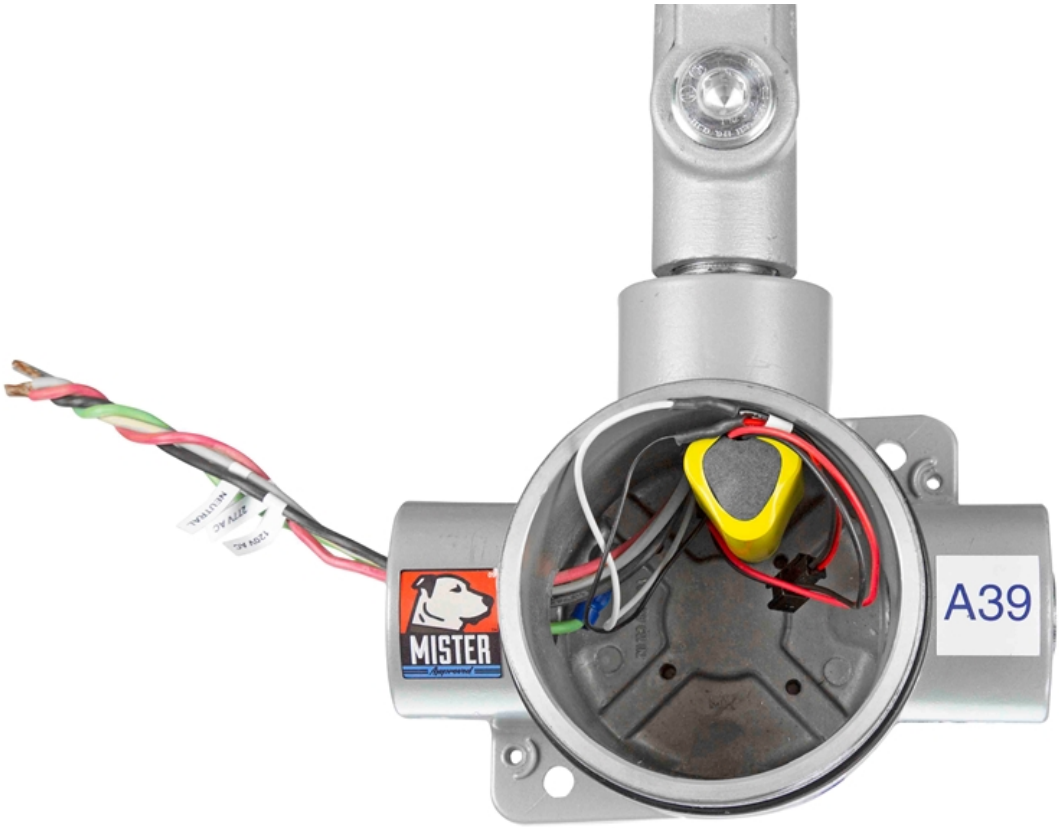

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**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**