

EXP-EMG-EXT-LE6-2L-V2-CHR

Explosion Proof Bug Eye Emergency Exit LED Fixture - Class I, II, III - Self-Testing - Remote Mounted Light

Product ID: 243981

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-EXT-LE6-2L-V2-CHR Explosion Proof Emergency LED Exit Sign

Listing: NRTL Listed for United States and Canada

Lamp Technology: LED

Dimensions: 24"L x 16"H x 6"D

Weight: 5 lbs

Voltage: 120/277V AC, 60 Hz

Watts: 2.2W

Lumens: 66 lms

Luminous Efficacy: 30 Lm/W

LED Life Expectancy: 100,000 Hours

LED Light Color: White

Color Rendering Index: -

Lamp Type: -

Lamp Base: -

Replacement Lamp: -

Beam Angle: -

Lighting Configuration: -

Power Efficiency: -

Power Factor: -

Emergency Runtime: 90 Minutes

Battery: Maintenance-Free 3.6 Volt NiCad Rechargeable Battery

Battery Recharge Time: 24 Hours

Battery Life Expectancy: 15 Years

Housing Material: Die Cast Aluminum

Housing Color: Powder Coated - Grey

Ratings/Approvals

Listed for United States & Canada

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

90 Minute Emergency Runtime

24 Hour Battery Recharge Time

Self-Testing Unit

Vertical Adjustable

Supports Remote 12V Light Head

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Lens Material: Polycarbonate

Mounting: Surface Mount

Wiring: Operator Provided Wiring & Seal Off

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The EXP-EMG-EXT-LE6-2L-V2-CHR from Larson Electronics is an Explosion Proof Bug Eye Emergency Exit 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-EXT-LE6-2L-V2-CHR produces 66 total fixture lumens while drawing only 2.2 total watts and will operate for at least 90 minutes in the event of a power failure or outage. This unit is self-testing, has a 24 hour battery recharge time following emergency operation and operates on 120/277 V AC @ 60Hz. The EXP-EMG-EXT-LE6-2L-V2-CHR is an ideal solution for providing emergency lighting and exit marking. This single sided exit sign is an ideal emergency exit marking solution for hazardous locations where failsafe reliability is a must. The unit supports (1) 12V external remotely mounted light fixture up to 6 watts tied to the unit.

The EXP-EMG-EXT-LE6-2L-V2-CHR explosion proof emergency bug eye exit sign LED fixture is ideal for installation in hazardous areas that require emergency illumination and exit marking 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 upper enclosure on the left houses an LED light and the upper enclosure on the right features a single sided exit sign while the bottom enclosure contains an indicator light. The unions between the upper enclosures and the lower enclosure allow for vertical adjustment.

Light Features: The EXP-EMG-EXT-LE6-2L-V2-CHR 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 exit LED fixture features brown-out, short circuit and voltage surge protection and has a low voltage disconnect which prevents damage to the battery caused by a deep discharge. This self-testing LED fixture will run for at least 90 minutes after a power failure thanks to the maintenance-free 3.6 volt NiCad battery. After emergency use, the battery takes 24 hours to completely recharge. This light supports (1) 12V external remotely mounted light fixture up to 6 watts tied to the unit. This feature is perfect for remote head operations inside or outside hazardous locations. The supported remote head is sold separately.

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.

Emergency Operation: The EXP-EMG-EXT-LE6-2L-V2-CHR features a backup battery that will run the fixture for at least 90 minutes following a power outage or any other loss of power. The included emergency backup battery is a 3.6 volt NiCad rechargeable unit. These batteries are maintenance-free and have a life expectancy of 15 years while being able to operate in a wide variety of conditions

including in temperatures ranging from 0°C to +40°C. This unit also features a low voltage disconnect. This means that if the fixture detects that the battery's terminal voltage has fallen below a certain level, the low voltage circuit will disconnect the emergency lighting load until normal power is restored. This prevents the battery from experiencing a deep discharge and becoming damaged.

Explosion Proof Ratings: The EXP-EMG-EXT-LE6-2L-V2-CHR 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-EXT-LE6-2L-V2-CHR explosion proof emergency self-testing exit sign 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-EXT-LE6-2L-V2-CHR operates on 120/277V AC @ 60Hz.

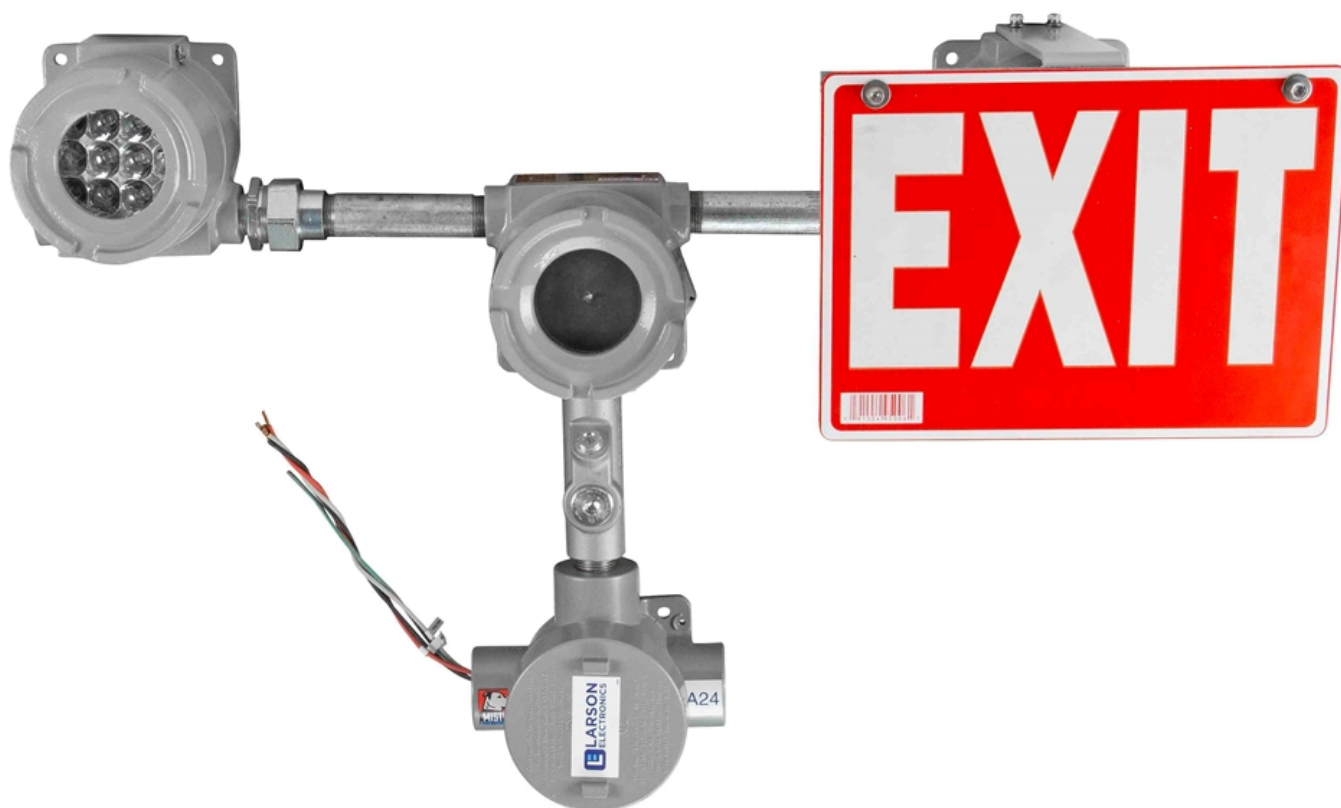
Mounting: The EXP-EMG-EXT-LE6-2L-V2-CHR is designed to be surface mounted to flat surfaces such as walls. The unions connecting the upper lamps to the lower indicator light enclosure allow for vertical adjustment. This gives operators the ability to adjust the light to their specific mounting location for ideal light coverage during a power failure or power outage.

Suggested Applications: The EXP-EMG-EXT-LE6-2L-V2-CHR is ideal for use as emergency lighting and exit marking in areas where an explosion proof fixture is required.

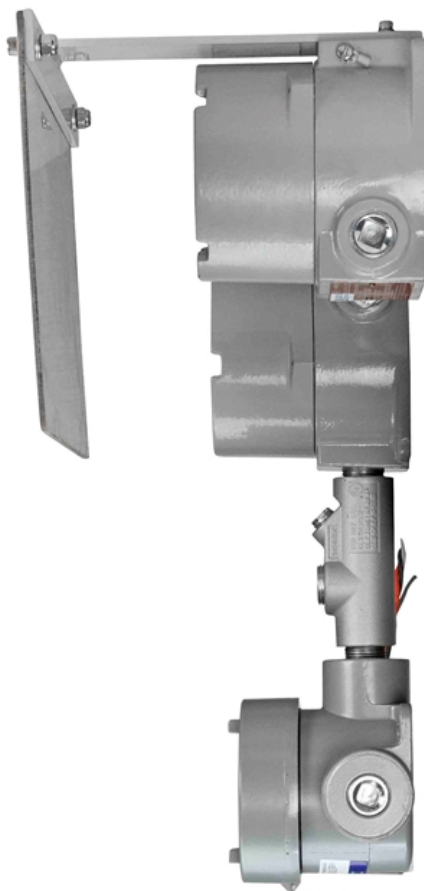
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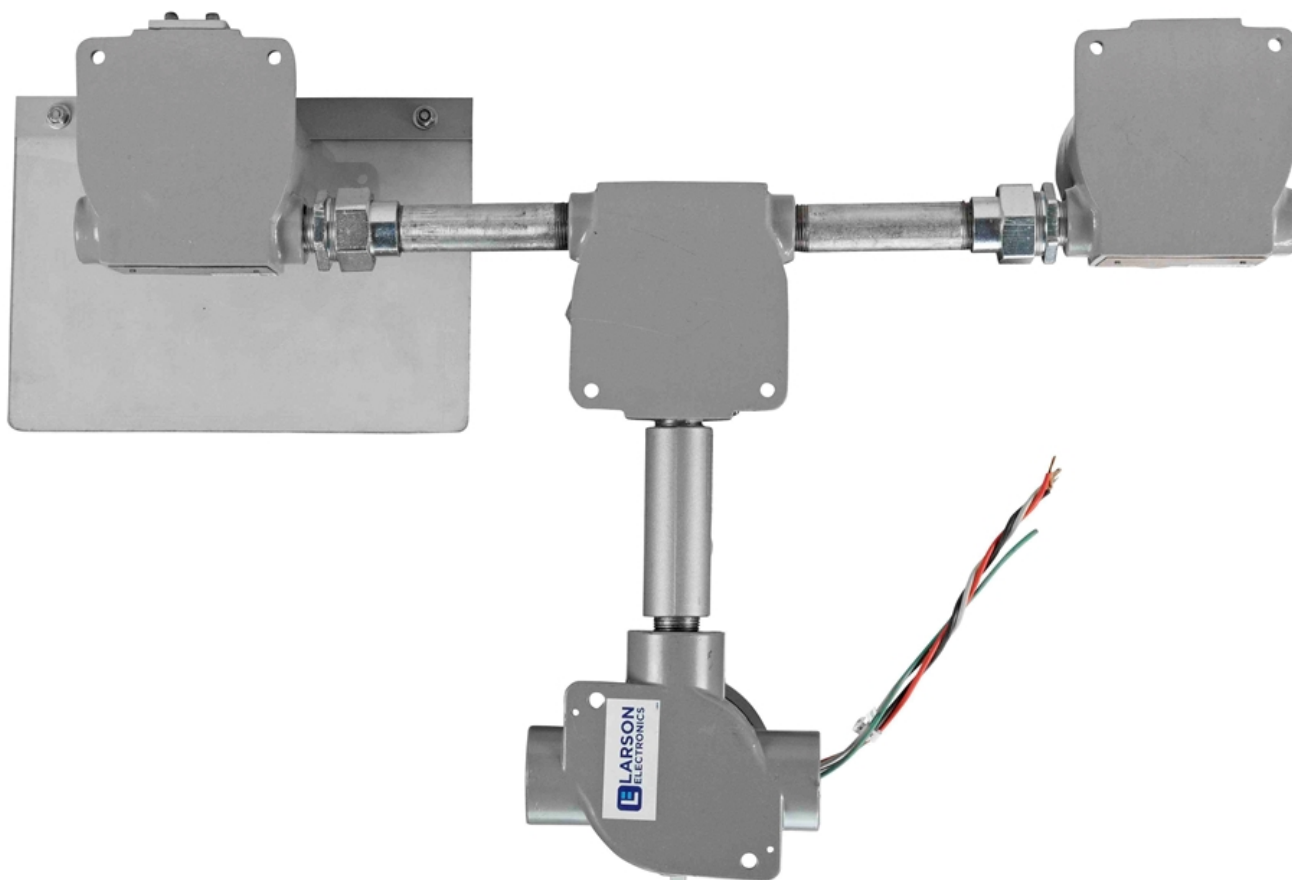


Frequently Asked Questions (FAQ)











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Product ID: 243981

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [ATEX Certificate \(European Explosion Proof\)](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 3, Misc](#)
- [Certificate 4, Misc](#)
- [IEC Ex Certificate \(International Explosion Proof\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
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