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EXP-EMG-EXT-LE8-3L-220.50HZ

Explosion Proof Emergency System w/ Exit Sign - (2) 12W LED Lamps - 90 Mins Runtime - ATEX/IECEX

Product ID: 150185

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-LE8-3L-220.50HZ Explosion Proof Emergency Exit Sign System

Unit Type: Explosion Proof Emergency System
Enclosure Dimensions: 10"-L x 10"-W x 6"-H
Watts: -
Voltage: 220V 50 Hz
Lumens: 2,640
Luminous Efficacy: 110 Lm/W
LED Light Color: 6000K - White
LED Life Expectancy: 50,000 hours
Lighting Configuration: 10° Spot or 40° Flood
Spot Beam: 800`L x 140`W
Flood Beam: 300`L x 225`W
Ambient Operating Temp Range: -40°C to +60°C
Housing Material: Aluminum
Light Housing Color: Powder Coated - Grey
Lens Material: Polycarbonate
Mounting: Surface Mount
Battery Type: Sealed Lead Acid - Maintenance Free
Battery Runtime: 90 Minutes

Ratings/Approvals

Class I, Div 1 & 2
Class II, Div 1 & 2
ATEX/ICEX
90 Mins Runtime
Single Sided Exit Sign

Special Orders - Special Requirements

Contact us for special requirements

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Made in Texas

The EXP-EMG-EXT-LE8-3L-220.50HZ from Larson Electronics is an

Explosion Proof Emergency System for operational safety in hazardous locations. Compatible with 220V 50 Hz, the ATEX/IECEX rated unit offers 90 minutes of emergency backup during power failure. Two explosion proof 12-watt LED fixtures provide reliable illumination, while an explosion proof emergency exit sign is available below the explosion proof battery enclosure.

The EXP-EMG-EXT-LE8-3L-220.50HZ is a complete emergency system for flammable work sites and hazardous locations. The ATEX/IECEX rated unit consists of a one-sided explosion proof LED exit sign, two 12-watt LED lights and a sealed lead acid battery pack for emergency operation during power failure. An explosion proof enclosure holds the electrical components at the center of the 220V system.

LED Lamps: Two 12-watt LED fixtures emit a total of 2,640 lumens and are available in two lighting configurations; spot and flood. The spot configuration features a 10° beam that measures 800`L and 140` W. The flood configuration throws a 40° beam that measures 300`L and 225`W. An adjustable pendant mount mechanism allows operators to control the direction of the beam by tilting the unit towards the desired target.

The units are rated NEMA Type 3, 4, 4X, 7 (B,C,D) and 9 (E,F,G) and designed to withstand the rigors of demanding environmental and operating conditions while remaining lightweight and easy to use. These units can operate in temperatures of -40° Celsius to 60° Celsius, are waterproof to 3 meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The LEDs offer inherent LED resistance to shocks and vibrations.

The EXP-EMG-EXT-LE8-3L-220.50HZ comes with an explosion proof exit sign located at the bottom of the enclosure. This explosion proof emergency LED exit sign light 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.

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.

Battery: The EXP-EMG-EXT-LE8-3L-220.50HZ is supported by a maintenance-free sealed lead acid batteries that provide an emergency runtime of at least 90 minutes. This emergency system uses a high-efficiency two-stage charger that features precise float voltage control as well as low voltage disconnect protection. The recharge time on the included batteries is 24 hours.

Mounting: This explosion proof unit can be mounted on compatible surfaces. The explosion proof enclosure features a removeable backplate for seamless mounting.

Applications: Hazardous locations, industrial facilities, emergency systems, backup lighting, warning systems, safety lighting, oil and gas sites, processing plants and more.

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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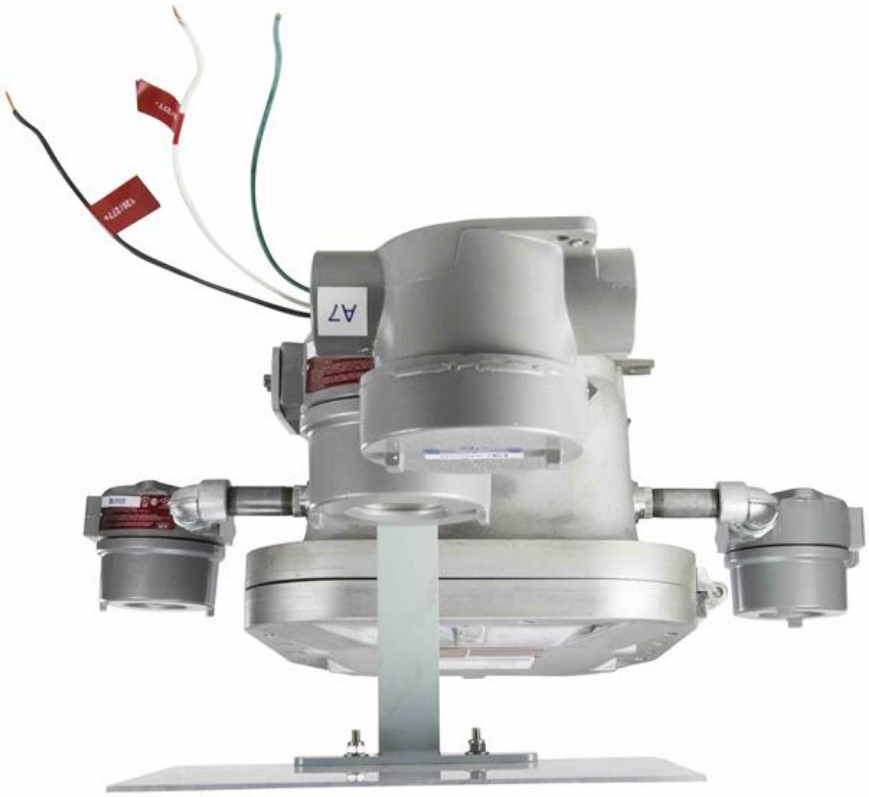

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Product ID: 150185

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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