Larson Electronics LLC
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EXP-EMG-EXT-LE6-1L

Explosion Proof Exit Sign - Class I, Division 1 & 2 - IP65 - 120V/277VAC - Emergency Battery Back-Up

Product ID: 148157

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: EXP-EMG-EXT-LE6-1L

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-LE6-1L Explosion Proof Exit Sign

Listing: United States & Canada
Lamp Type: LED
Dimensions: 25”H x 13”W x 10.5”D
Voltage: 120/277VAC
Watts: 1.1
Lighting Configuration: Back Illuminated Sign Panel
Battery Backup Runtime: 3 Hours
Battery Backup: Nickel Cadmium Battery Pack
Faceplate Color: Copper Free Aluminum Housing
Materials: Red or Green
Mounting: Ceiling Mount, Pendant Mount, Wall Mount
Wiring: 3/4" NPT Wiring Hub

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
3 Hour Emergency Runtime
Self-Testing Unit

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Made in the USA

The EXP-EMG-EXT-LE6-1L Explosion Proof LED Exit Sign with emergency battery back up from Larson Electronics 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. Equipped with a 1.1 watt LED lamp, a 3 hour runtime and self diagnostic system, this failsafe exit sign helps show workers within hazardous environments where the exit is during power failures. This single sided exit sign is an ideal emergency exit marking solution for hazardous locations where failsafe reliability is a must.

The EXP-EMG-EXT-LE6-1L is an effective option for operators who wish to ensure their hazardous workspaces employ the most up to date and reliable means of marking emergency exit-ways available. Under normal conditions this emergency exit lamp uses normal external power to illuminate its 1 watt LED array. In the case of power outages or in any situation where power is interrupted, this unit automatically switches to a battery backup which will power the unit for three hours or until power is restored. This fixture has three mounting options and is multi-voltage capable.

Light Features: The EXP-EMG-EXT-LE6-1L features a backlit LED array that each contain eight LEDs, drawing a total of 1.1 watts. This explosion proof emergency 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 a minimum of 3 hours 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.



Click Photo to Enlarge



Click Photo to Enlarge

This emergency exit marking fixture is explosion proof and carries an integral battery backup power supply. When external power is cut due to outages or accidents this lamp automatically switches to its battery backup which will power the lamp for three hours, longer than the requirements specified in the NFPA 101. The EXP-EMG-EXT-LE6-1L sign panel is back illuminated by LEDs and as a result draws only 1.1 watt of power and has an extreme LED luminary lifespan rated at 15 years. This fixture is approved for outdoor use and is resistant to saltwater making it suitable for use in marine environments.

Emergency Operation: The EXP-EMG-EXT-LE6-1L 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.

Wiring: The EXP-EMG-EXT-LE6-1L explosion proof emergency self-testing 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-LE6-1L operates on 120/277V AC at 60Hz.

Mounting: The EXP-EMG-2L-LE6 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 is designed to for use within hazardous environments to mark the exit-ways of rooms and buildings.

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 the USA Quality

1. Uniform LED illumination
2. Battery Replacement Notification Built In
3. Universal 120V/277V AC Selectable
4. 3 Hour Battery Backup Runtime
5. Copper-free aluminum housing
6. 3/4” NPT conduit hubs
7. Maintenance free
8. 15 Year LED Rated Lifespan
9. Fully Automatic Operation
10. Self Testing System
11. High Intensity LEDs
12. Low Power Consumption (1.1 watts)
13. Fully Electronic Circuit Control

Superior LED Benefits

1. Extreme long life.
2. High efficiency and low amp draw.
3. High durability and reliability.
4. Small size and light weight.
5. 100% recyclable.
6. No toxins-lead, mercury.
7. High light output.
8. Consistent color over time.
9. High Versatility.
10. No fragile glass used in construction.
12. Vibration/impact resistant.

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Frequently Asked Questions (FAQ)

There are no Faqs

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EXP-EMG-EXT-LE6-1L

Product ID: 148157

Export Control Classification Number (ECCN): EAR99

Options:

EXP-EMG-EXT-LE6-1L-Color
Example: EXP-EMG-EXT-LE6-1L-RED

Color	
RED	-RED
GREEN	-GRN

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**(https://www.larsonelectronics.com/images/product/ATEXCert/148157.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/148157.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/148157.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/148157.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/148157.PDF)
- **Certificate 3, Misc**(https://www.larsonelectronics.com/images/product/Cert3/148157.PDF)
- **Certificate 4, Misc**(https://www.larsonelectronics.com/images/product/Cert4/148157.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/148157.PDF)
- **IEC Ex Certificate (International Explosion Proof)**(https://www.larsonelectronics.com/images/product/IECExCert/148157.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/148157.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/148157.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/148157.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/148157.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/148157.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/148157.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/148157.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/148157.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/148157.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/148157.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/148157.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/148157.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/148157.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/148157.JPG)
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- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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