

Explosion Proof Emergency LED Light - C1D1&2 - IP65 - 120-277V AC - Emergency Battery Back-Up

EXP-EMG-LE6-1L



EXP-EMG-LE6-1L Explosion Proof Emergency LED Fixture

Listing: United States & Canada

Lamp Type: LED

Dimensions: 25"H x 13"W x 4.5"D

Voltage: 120-277V AC, 60Hz

Watts: 1.1W

Battery Backup Runtime: 3 Hours

Battery Backup: Nickel Cadmium Battery Pack

Materials: Copper Free Aluminum Housing

Mounting: Ceiling Mount, Pendant Mount, Wall Mount

Wiring: 3/4" NPT Wiring Hub

Ratings/Approvals

Class I, Divisions 1 & 2, Groups B, C, D

Class I, Zones 1 & 2, Groups IIB+H2

Class II, Divisions 1 & 2, Groups E, F, G

Class III Divisions 1 & 2

3 Hour Emergency Runtime

Self-Testing Unit

Special Orders- Requirements

Contact us for special requirements

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Made in the USA

The EXP-EMG-LE6-1L from Larson Electronics is an Explosion Proof LED Light with Emergency Battery Backup 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. Equipped with a 1.1 watt LED lamp, a 3 hour runtime and self diagnostic system, this failsafe light helps illuminate hallways, doorways, corridors, staircases and other navigable areas within hazardous environments for employees and workers during power failures. This ingress flood light is an ideal emergency passageways marking solution for hazardous locations where failsafe reliability is a must.

The EXP-EMG-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 providing light during emergency situations. Under normal conditions this emergency lamp uses normal external power to illuminate its 1.1 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 universal voltage capable.

Light Features: The EXP-EMG-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.



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This emergency LED light 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-LE6-1L emergency LED light draws only 1.1 watts 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.

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-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-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-LE6-1L operates on 120/277V AC at 60Hz.

Mounting: The EXP-EMG-LE6-1L 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-LE6-1L is designed to for use within



hazardous environments to mark hallways, doorways, passageways, stairwells and other navigable areas of rooms and buildings during power outages. 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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