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EXP-EMG-12W-2L-HBMN

20W Explosion Proof LED Emergency Lighting System - C1D1&2 Groups A,B,C,D - 90 Minutes - 120/277V

Product ID: 144711

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



Image: EXP-EMG-12W-2L-HBMN

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-12W-2L-HBMN

Lamp Type: LED
Dimensions: 28.67"-H, 33.50"-W
Watts: 20
Materials: Copper Free Aluminum Housing
Voltage: 120/277V AC
Lighting Configuration: Dual 10 Watt Bulbs
Mounting: Wall Mount/Flat Surface Mount
Wiring: 1/2" NPT Threaded for Conduit
U.L. Listing: U.S. Explosion Proof
Battery Backup: High temp Nickel-Cadmium
Battery Input Voltage: (Dual) 120/277VAC @ 60Hz
Unit Life Expectancy: 10 years
Battery Backup Runtime: 90 Minutes
Battery Output Voltage: 12 VDC Nominal
Battery Output Current: 1000mA (Constant)
Battery Output Power: 12 Watts (Max)
Battery Operating Temp: 0°C - 50°C
Battery Recharge Time: 24 hours from full discharge

Ratings/Approvals

Class I Division 1 & 2 Groups A, B, C, & D
Class II Division 1 & 2 Groups E, F & G
Class III
Listed for United States & Canada
Certified to UL 844
Certified to UL 924
IP67 (water proof) rating
NFPA101 (Life Safety Code)

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-12W-2L-HBMN Explosion Proof Emergency Light with back up emergency battery is UL and CSA Listed for Class I Division 1 & 2 Groups A, B, C, and D; Class II Division 1 & 2 Groups E, F and G; and Class III. and is an ideal emergency lighting solution for hazardous locations where failsafe lighting reliability is a must.

The EXP-EMG-12W-2L-HBMN is an ideal solution for operators who wish to ensure their hazardous workspaces employ the most effective and reliable safety lighting options available. Under normal conditions this emergency lamp uses normal external power to illuminate its two 10 watt LED lamps. 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 90 minutes or until power is restored. Once power is restored a built in charger will return the unit to a fully charged state within acceptable UL time limits.

This explosion proof emergency lighting fixture carries an integral maintenance-free, sealed, high temperature Nickel-Cadmium 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 LED bulbs for 90 minutes. The battery is protected from deep discharge by solid state circuitry which senses low voltage and turns off the unit before battery damage can occur.

This emergency light is multi-voltage capable and can operate with voltages ranging from 120V to 277V@ 50/60HZ. This unit`s housing and LED light fixtures are constructed of copper-free aluminum that is epoxy powder coat finished to protect the aluminum surfaces. The EXP-EMG-12W-2L-HBMN can withstand temperature variances ranging from 0°C to 40°C and its low maintenance design offers up to ten years of operational life. An integrated pilot light indicates the presence of AC current and a test switch allows easy confirmation of proper emergency operation.

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.

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 USA Quality

1. No Maintenance Nickel-Cadmium Battery.
2. Copper Free Aluminum Alloy Construction.
3. Universal 120 through 277V AC Operation
4. 90 Minute Battery Backup Runtime.
5. Deep Discharge Battery Protection.
6. 1/2" NPT Conduit Hub.
7. Epoxy Powder Coat Finish.
8. 10 Year Rated Lifespan.
9. Fully Automatic Operation.
10. Solid State Internal Electronics.
11. Pilot Light AC Current Indicator.
12. Test Switch for Emergency Operation Confirmation.
13. Fully Electronic Circuit Control.

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.
15. California Title 24 Compliant

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Frequently Asked Questions (FAQ)

There are no Faqs



Image: EXP-EMG-12W-2L-HBMN side view of the emergency backup led light fixture



Image: EXP-EMG-12W-2L-HBMN rear view of the led emergency ballast backup light



Image: EXP-EMG-12W-2L-HBMN bottom view of the led emergency backup led lighting system



Image: EXP-EMG-12W-2L-HBMN wall mount bracket for the led emergency backup light fixture

Warranty: 60 Months.

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **IES (Photometric File)**(https://www.larsonelectronics.com/images/product/ies/144711.ZIP)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/144711.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/144711.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/144711.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/144711.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/144711.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/144711.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/144711.JPG)
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