Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

HAL-EMG-2X3W-2L

28W Hazardous Location LED Emergency Bug Eye System - C1D2/C2D2 - (2) LED Heads - 120-277V AC - N4X

Product ID: 146399

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.

HAL-EMG-2X3W-2L Hazardous Location LED Bug Eyes

Listing: United States, Canada
Lamp Type: LED
Dimensions: 14.16" x 10.52" x 5.56"
LED Lamp Qty: (2) 1W LED Light Heads
Weight: 12 lbs

Input Voltage: 120-277V AC, 50/60 Hz

Output Voltage: 12V DC

Watts: 28W

Lumens: -

LED Life Expectancy: 50,000+ Hours

Lighting Configuration: Flood

LED Light Color: White

Color Rendering Index: -

Power Efficiency: -

Power Factor: -

Battery Type: High Temperature Rated Nickel Cadmium

Battery Runtime: 90 Minutes

Amps: 0.23A @ 120V, 0.11A @ 240V, 0.1A @ 277V

Temp Rating: T6
Housing Materials: Non-metallic, Krydon Fiberglass-reinforced Polyester/Epoxy Powder Coated Aluminum

Ratings

Class I, Division 2 Groups B,C,D
Class II, Division 2 Groups F,G
Class I, Zone 2
NEMA 4, 4X
Marine and Wet Locations

Special Orders - Special Requirements

Contact us for special requirements

Hardware Materials: Nylon, Plastic Coated, Stainless Steel

Gasket Materials: Hypalon Synthetic Rubber

Mounting: Wall/Surface

Wiring Hub: -

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics HAL-EMG-2X3W-2L Hazardous Location LED Emergency Bug Eye System features reliable illumination in hazardous areas. It supports 120-277V AC input and 12V DC output (28W max). The two bug-eye lamps are equipped with powerful LEDs in a flood-beam configuration. In the event of power outage, this NEMA 4X unit will continue to function for 90 minutes, via a high-temperature rated nickel cadmium battery.

The HAL-EMG-2X3W-2L is an emergency LED lighting solution for hazardous locations. Equipped with dual LED light heads, the unit features 120-277V AC 50/60 Hz input and 12V DC output. Should power outage occur, the unit may revert to a high-temperature rated nickel cadmium battery for power, which offers a runtime of 90 minutes. An auto-disconnect feature built into the fixture preserves the solid-state battery and charger. A self-testing/self-monitoring feature streamlines maintenance and diagnostics.

This hazardous location LED emergency luminary is constructed of non-metallic Krydon fiberglass-reinforced polyester with nylon, plastic coated and stainless steel external hardware. The cover gasket is made out of Hypalon synthetic rubber; and the LED lamp head is protected by epoxy powder coated aluminum. This unit is suitable for hazardous work locations associated with the following ratings: Class I, Division 2 (Groups B, C and D) and Class II, Division 2 (Groups F and G). It may also be used in marine wet locations and carries a NEMA 4X rating for protection against corrosion from water and the formation of ice, the ingress of dust and external foreign objects.

Emergency Operation: The hazardous location light features a NiCad rechargeable backup battery that will run the fixture for at least 90 minutes following a power outage or any other loss of power. 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 up to 55°C. This unit also features solid-state battery charger, which prevents deep discharge and ensures reliability.

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.

Mounting: The HAL-EMG-2X3W-2L is compatible with wall/surface mounting applications.

Applications: Hazardous locations, petroleum refineries, chemical and petrochemical plants, paint spray booths, food manufacturing buildings and combustible industrial facilities.

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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Product ID: 146399

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**