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

HALSS-EMG-24-2L-LED

2ft Emergnecy Stainless Steel Hazardous Area LED Fixture - Class I, Div. II - Corrosion Resistant

Product ID: 105633

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.

HALSS-EMG-24-2L-LED Hazardous Location LED Lighting

Listing: United States - Canada

Dimensions: 28"-L x 9-1/2"-W x 6-3/4"-H
Weight: 25 Lbs
Voltage: Universal 120-277VAC 50/60 Hz
Total Watts: 28 watts (14 Watts Per Lamp)
Total Lumens: 3,500 (1,750 Per Lamp)
Lumens on Battery Power: 3,500 (2 Lamps)
LED Lamp Life Expectancy: 50,000+ Hours
Luminous Efficacy: 125 Lumens per Watt
Color Temp: 5600K, 4500K, 3000K
Color Rendering Index: >80
Beam Angle: 150°
Power Efficiency: 90%
Power Factor: >0.95
Battery AC Input Voltage: 120/277V AC 60Hz
Battery AC Input Current: 90 mA
Battery AC Input Power Rating: 9.5W
Battery Output Current: 120V @ 165mA - 277V @ 72mA
Battery Output Current: 120V @ 165mA - 277V @ 72mA
Battery Type: High Temp, Maintenance Free, Nickel Cadmium
Battery Lifespan: 7 to 10 Years
Battery Charge Current: 250 mA

ETL Ratings

Class 1 Division 2, Groups A, B, C, D
UL 595 outdoor marine
UL 1598A Marine Type (Salt water)
Meets US Coast Guard specifications.

Battery Charge Current: 250 mA

Ambient Operating Temp Range:0° C to +50°C

Temp Range: T4C Rated 0°C to +50°C

Minimum Operating Temp: 0°C

Maximum Case Temp: +50°C

Housing Material: 304 Stainless Steel

Lens Material: Acrylic

Mounting: Surface Standard - Pendant Optional

Wiring Hub: 1/2" NPT

U.L Approval: U.S Certificate Canada Certificate

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

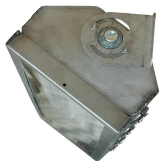
Made in the USA

The Larson Electronics HALSS-EMG-24-2L-LED Hazardous Area LED Light Fixture is ETL approved Class 1 Division 2 Groups A, B, C and D - 1598A listed and is specifically designed to withstand high vibration locations and the rigors of wet and corrosive marine environments.

The HALSS-EMG-24-2L-LED hazardous area LED light fixture is designed for use in wet areas and saltwater-marine environments where corrosion resistance is critical to equipment longevity and safety. This Class 1 Division 2 rated fixture is constructed of non-corrosive materials including a stainless steel housing, a poured in gasket for reliable sealing and an impact resistant acrylic diffuser. Our LED T series lamps included with this fixture add greater light output, longer lamp life and add even better resistance to damage from vibration and impacts. Corrosion resistant stainless steel latches secure the lamp cover to the housing and provide a firm lock against the poured in seal to prevent drips and water intrusion.

This emergency backup LED light fixture works, mounts and is wired like our HALSS-24-2L-LED hazarouds location LED light fixtures. The main difference is that we add a battery backup unit that adds emergency light functionality to the fixture. With an integrated emergency ballast, this fail safe LED light will continue to operate both LED lamps for 90 minutes at a combined 3,500 lumens after the main electrical power to the light is severed. Once standard electrical power is restored, the emergency battery pack will be recharged.

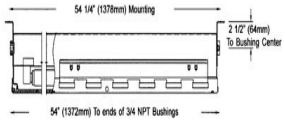
This fixture is 844 rated and Class 1 Division II, Groups A, B, C, D approved. The HALSS-EMG-24-2L-LED also carries 1598A and 595 outdoor marine ratings and meets US Coast Guard specifications.

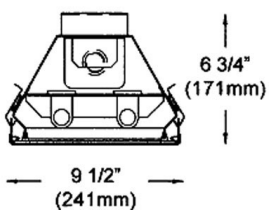


Click Photo to Enlarge

Click Photo to Enlarge

Click Photo to Enlarge





This fixture is designed for heavy duty use in applications where intense vibration and corrosive environments may be encountered. Stainless steel construction, high impact acrylic lamp covers, and a Class 1 Division 2 ETL rating make this light ideal for hazardous areas that require illumination with above average dependability.
Unlike the glass tube design of traditional fluorescent lamps, these LED T-Style lamps have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. The LED assembly is mounted to the "tube" constructed from extruded aluminum, with a polycarbonate lens protecting the LEDs. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than fluorescent lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional fluorescent lighting.
We have eliminated the ballast normally associated with fluorescent fixtures which reduces overall weight, increases lamp life to an extreme 50,000 hours and helps this LED fixture maintain a T4C temperature rating. The solid state design of the included LED lamps give this fixture superior resistance to damage from vibrations and extremes in temperature as well as a lamp service life over twice that of standard T8 bulbs. The 24 watt LED lamps produce more illumination than standard T8 bulbs, but draw only 3/4 of the current. The current generation of Larson Electronics LED T-series style bulbs produce 15% more light than T8 bulbs. This fixture is multi-voltage capable (not multi-tap) and works on the following voltages: 120 Volt 60 HZ, 220 Volt 50 HZ, 240 Volt 60 HZ, 277 Volts 60 HZ.
Standard Flange Brackets: Stainless steel bracket mounts attached at each end of the fixture enables it to be simply secured to any surface. The mounts provide flexibility in setting the angle of the fixture. Three through holes provide sufficient mounting for any environment.
Suggested Applications: The HALSS-EMG-24-2L-LED is designed for marine wet and damp locations, where corrosion resistant fluorescent lights are required. This lamp is also ideal for locations where heavy vibratory conditions are present. This includes petrochemical facilities, lubrication pits, oil drilling rigs, crew quarters, solvent/cleaning areas, water treatment areas, processing plants and marine loading docks.

Made in USA Quality

1. Each unit dialectically tested.
2. Fixture arrives assembled and lamped to reduce installation time and cost. Flange type stainless steel mounts attached at each end of the fixture enables it to be simply secured to any surface.
3. Fixture housing constructed of 14 gauge stainless steel..
4. Relamping done via stainless steel snap locking latches which allow the operator to remove the door and access the lamps.

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.

5. Lamp cover-diffuser constructed of high impact acrylic for corrosion resistance and lamp protection.
6. 1/2 inch, threaded access hole for wiring conduit.
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.

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

Frequently Asked Questions (FAQ)

HALSS-EMG-24-2L-LED

Product ID: 105633

Warranty: 60 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**