

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



HALS-EMG-48-2L-LED-SP0108 Emergency Backup Ballast

ETL Listing: United States

Dimensions: 11"-W x 2.8"-L x 2.85"-H

Weight: 5 lb

AC Input Voltage: 120/277 V AC (Auto Select), 60 Hz

AC Input Current: 90 mA

AC Input Power Rating: 9.5W

Maximum Load Power: 18W (Including AC Ballast/Driver)

Output Current: 24V DC

Illumination Time: 90 Minutes

Test Switch: Single Pole (Momentary)

Battery: Cold-Temperature, Maintenance Free NiMH

Battery Life: 7 to 10 Year Life Expectancy

Battery Capacity: 3800 mAh

Recharge Time: 24 Hours

Charging Indicator Light: LED

Special Features: [Fused Output Load Connections](#)

Quick Summary

Factory or Field Installation (Indoor and Damp)

Temperature Rating (Ambient): -40°C to +50°C

Made in the USA

Special Orders - Requirements

Contact us for special requirements

Phone: 1-800-369-6180

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The HALS-EMG-48-2L-LED-SP0108 from Larson Electronics is an Emergency Backup Ballast that works in conjunction with a LED fixture to create an emergency lighting system. This ballast operates a maximum load of 18W at unity power factor. It allows the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. Each unit consists of a high-temperature nickel-metal hydride, charger and electronic circuitry in one steel case. The HALS-EMG-48-2L-LED-SP0108 provides power to the input side of the fixture, including the ballast, and can be used with indoor or outdoor emergency fixture applications. This ballast is a direct replacement for HALS-EMG-48-2L-LED fixtures.

Please note: This is for the emergency backup ballast ONLY. The lamp LED driver is a separate component.

The HALS-EMG-48-2L-LED-SP0108 supports emergency illumination for a minimum of 90 minutes. At a maximum of 18W at unity power factor, the HALS-EMG-48-2L-LED-SP0108 will provide input power to ballasted lamp supporting it at 100% of the AC rated output throughout the 90-minute emergency illumination period. Upon failure of normal power, the ballast instantly begins providing emergency power to the connected lighting load for a minimum of 90 minutes. A solid-state low voltage disconnect circuit protects the inverter battery from severe damage by deep discharge during prolonged power failures. When normal power is restored, the HALS-EMG-48-2L-LED-SP0108 automatically returns to charge mode. The battery capacity is fully restored in 24 hours. The ballast does not affect normal fixture operation and may be used with a switched or unswitched fixture. It can be installed in close proximity to the fixture or remote from the

fixture (up to 250 feet).

Emergency lighting shall be provided by using a standard fixture equipped with the Larson Electronics HALS-EMG-48-2L-LED-SP0108. Each unit consists of a high-temperature, maintenance free nickel-metal hydride battery, charger and electronic circuitry contained in one 11 x 2.8" x 2.85" metal case. Solid-state indicator lights signal operational status. The HALS-EMG-48-2L-LED-SP0108 unit shall be capable of powering any low voltage LED lighting fixture rated at a maximum of 18 watts for a minimum 90 minutes regardless of local switch position. The HALS-EMG-48-2L-LED-SP0108 shall allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The HALS-EMG-48-2L-LED-SP0108 unit shall exceed emergency standards set forth by the current NEC. It shall be UL Listed, suitable for damp location.

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.

Frequently Asked Questions (FAQ)

Links (Click on the below items to view):

- [ISO 9001 Certification](#)
- [Business Certificate](#)