

Replacement Emergency Ballast for EMG Explosion Proof LED Light Fixtures with Low Voltage Bulbs

Part #: [EMGBALL-LED1-LV](#)



The EMGBALL-LED1-LV from Larson Electronics is a Low Voltage Emergency Backup Ballast that works in conjunction with a LED fixture to create an emergency lighting system. This ballast provides a maximum of 10 W of output power. 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-cadmium battery, charger and electronic circuitry in one steel case. The EMGBALL-LED1-LV provides power to the input side of the fixture, including the ballast, and can be used with indoor or outdoor emergency fixture applications.

The EMGBALL-LED1-LV supports emergency illumination for a minimum of 90 minutes. With a maximum of 10 W of output power, the EMGBALL-LED1-LV 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 EMGBALL-LED1-LV 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 EMGBALL-LED1-LV. Each unit consists of a high-temperature, maintenance free nickel-cadmium battery, charger and electronic circuitry contained in one 15.34" x 2.25" x 1.16" metal case. Solid-state indicator lights signal operational status. The EMGBALL-LED1-LV unit shall be capable of powering any fluorescent or LED lighting fixture rated at a maximum of 10 W for a minimum 90 minutes regardless of local switch position. The EMGBALL-LED1-LV shall allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The EMGBALL-LED1-LV 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.

Specifications / Additional Information

EMGBALL-LED1-LV Low Voltage Emergency Backup Ballast

UL Listing: United States - Canada

Dimensions: 15.34"L x 2.25"W x 1.16"H

Weight: 3.6 lb

Total Watts: N/A

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

AC Input Current: 60 mA Maximum

AC Input Power Rating: 4.0 W Maximum

Maximum Load Power: 10 W (Including AC Ballast/Driver)

Output Current: 10-50 V DC

Illumination Time: 90 Minutes

Test Switch: Yes - Illuminated

Ambient Temperature Rating: 0°C - +55°C (32°F - 131°F)

Battery: Nickel-Cadmium

Battery Life Expectancy: 7-10 Years

Battery Charging Current: 180 mA

Recharge Time: 24 Hours

Charging Indicator Light: LED

Ratings/Approvals

Factory or Field Installation (Indoor and Damp)

[U.S Certificate](#)

[Canada Certificate](#)

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Special Features: Fused Output Load Connections

E-mail: sales@larsonelectronics.com

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Part #: EMGBALL-LED1-LV (223439)

