

EMGBALL-LED1

Replacement Emergency Backup Ballast for EMG Explosion Proof LED Light Fixtures

Product ID: 49713

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.

The Larson Electronics EMGBALL-LED1 Emergency Backup Ballast works in conjunction with a LED fixture to create an emergency lighting system. This Ballast operates a maximum load of 20 W 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-cadmium battery, charger and electronic circuitry in one steel case. The EMGBALL-LED1 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 supports emergency illumination for a minimum of 90 minutes. At a maximum of 20 W at unity power factor, the EMGBALL-LED1 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 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. Each unit consists of a high-temperature, maintenance free nickel-cadmium battery, charger and electronic circuitry contained in one 16.6" x 2.8" x 2.85" metal case. Solid-state indicator lights signal operational status. The EMGBALL-LED1 unit shall be capable of powering any fluorescent or LED lighting fixture rated at a maximum of 20 W (at unity power factor) for a minimum 90 minutes regardless of local switch position. The EMGBALL-LED1 shall allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The EMGBALL-LED1 unit shall exceed emergency standards set forth by the current NEC. It shall be UL Listed, suitable for damp location.

Specifications / Additional Information

EMGBALL-LED1 Explosion Proof Emergency Backup Ballast

UL Listing: United States - Canada
Dimensions: 16.6" W x 2.8" L x 2.85" H
Weight: 5 Lbs
Total Watts: N/A
AC Input Voltage: 120/277 VAC (Auto Select), 60hz
AC Input Current: 90 mA
AC Input Power Rating: 9.5 W
Maximum Load Power: 20 W (Including AC Ballast/Driver)
Output Current: 120 V, 165 mA - 277 V, 72 mA
Illumination Time: 90 Minutes
Test Switch: Single Pole (Momentary)
Battery: High-Temperature, Maintenance Free Nickel-Cadmium
Battery Life: 7 to 10 Year Life Expectancy
Battery Charging Current: 250 mA
Recharge Time: 24 Hours
Charging Indicator Light: LED
Special Features: Fused Output Load Connections
U.L. Approval: [U.S Certificate](#) [Canada Certificate](#)

Made in the USA

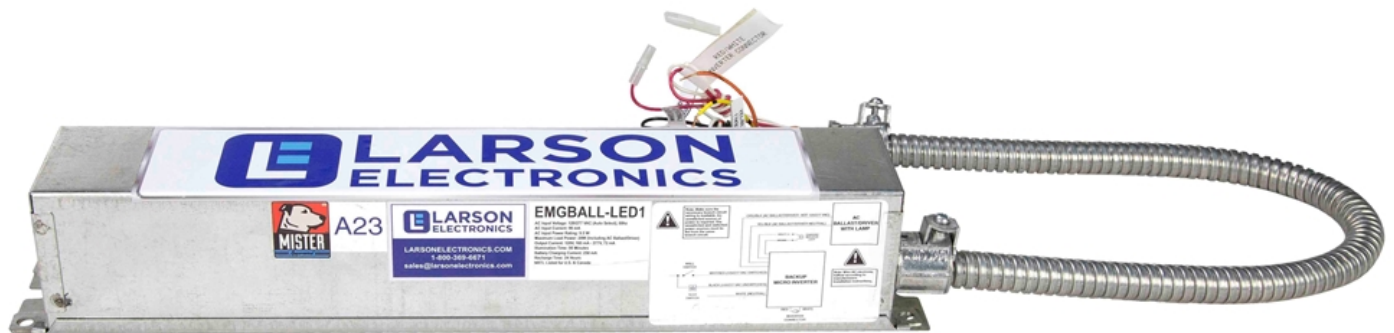
[Scroll Down to Purchase-](#)

U.L. Ratings

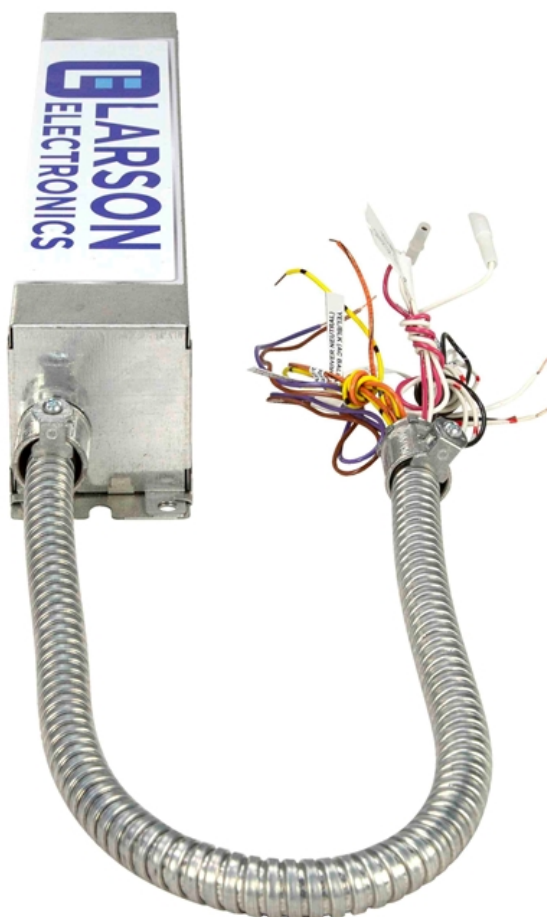
Factory or Field Installation (Indoor and Damp)
Temperature Rating (Ambient): 32 F to 122 F

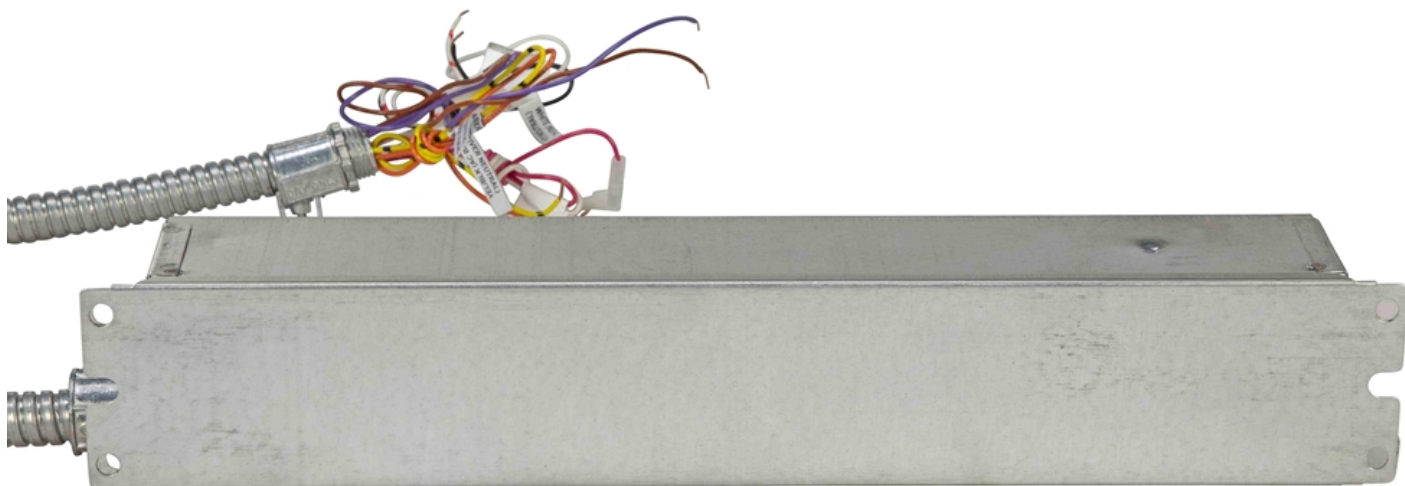
Special Orders - Requirements
Contact us for special requirements
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Frequently Asked Questions (FAQ)









EMGBALL-LED1

Product ID: 49713

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [Video1](#)
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