

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



**The Larson Electronics EMGBALL-LED1-10W Emergency Backup Ballast works in conjunction with a LED fixture to create an emergency lighting system. This Ballast operates a maximum load of 10 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-LED1-10W 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-LED1-10W supports emergency illumination for a minimum of 90 minutes. At a maximum of 10 W at unity power factor, the EMGBALL-LED1-10W 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-LED1-10W 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-LED1-10W. 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-LED1-10W unit shall be capable of powering any fluorescent or LED lighting fixture rated at a maximum of 10 W (at unity power factor) for a minimum 90 minutes regardless of local switch position. The EMGBALL-LED1-10W shall allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The EMGBALL-LED1-10W unit shall exceed emergency standards set forth by the current NEC. It shall be UL Listed, suitable for damp location.

#### Specifications / Additional Information

Listing: United States - Canada  
Dimensions: 16.6" W x 2.8" L x 2.85" H  
Weight: 3.5 Lbs  
Total Watts: N/A  
AC Input Voltage: 120/277 VAC (Auto Select), 60hz  
AC Input Current: 60 mA  
AC Input Power Rating: 4 W  
Maximum Load Power: 10 W  
Output Current: 300mA (30-36V) or 400mA (10-29V)  
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: 180 mA  
Recharge Time: 24 Hours  
Charging Indicator Light: LED  
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Factory 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)



Links (Click on the below items to view):

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