

## Explosion Proof Remote Emergency Ballast for EPL-48-2L-LED Explosion Proof Fixtures - C1D1 EPL-EMG-RBALL-C1D1

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



### EPL-EMG-RBALL-C1D1 Explosion Proof Emergency Backup Ballast

UL Listing: United States - Canada

Dimensions: 17.75" L x 6" W x 5" H

Weight: 30 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

Wiring Hubs: (2) 3/4" EYS w/ Cord Grips

Wiring: Customer Provided

### U.L. Ratings

Class 1 Division 1 Explosion Proof

### Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

**The Larson Electronics EPL-EMG-RBALL-C1D1 Explosion Proof Emergency Backup Ballast works in conjunction with a LED fixture to create an emergency lighting system. This explosion proof 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 EPL-EMG-RBALL-C1D1 provides power to the input side of the fixture, including the ballast, can be used with indoor or outdoor emergency fixture applications and offers remote mounting.**

The EPL-EMG-RBALL-C1D1 supports emergency illumination for a minimum of 90 minutes. At a maximum of 20 W at unity power factor, the EPL-EMG-RBALL-C1D1 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 EPL-EMG-RBALL-C1D1 automatically returns to charge mode. The battery capacity is fully restored in 24 hours. The explosion proof 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 remotely, away from the fixture (up to 250 feet).

Emergency lighting shall be provided by using a standard fixture equipped with the Larson Electronics EPL-EMG-RBALL-C1D1. 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 EPL-EMG-RBALL-C1D1 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 EPL-EMG-RBALL-C1D1 shall allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The EPL-EMG-RBALL-C1D1 unit shall exceed emergency standards set forth by the current NEC. It shall be UL Listed, suitable for damp location.



---

## Frequently Asked Questions (FAQ)

Links (Click on the below items to view):

- [MSDS \(Material Safety Data Sheet\)](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)