

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



**The Larson Electronics XXL-EMG-20W-LVS-V1 Emergency Backup Ballast 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 XXL-EMG-20W-LVS-V1 provides power to the input side of the fixture, including the ballast, and can be used with indoor or outdoor emergency fixture applications.**

The XXL-EMG-20W-LVS-V1 supports emergency illumination for a minimum of 90 minutes. At a maximum of 18W at unity power factor, the XXL-EMG-20W-LVS-V1 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 XXL-EMG-20W-LVS-V1 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 XXL-EMG-20W-LVS-V1. 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 XXL-EMG-20W-LVS-V1 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 XXL-EMG-20W-LVS-V1 shall allow the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation. The XXL-EMG-20W-LVS-V1 unit shall exceed emergency standards set forth by the current NEC. It shall be UL Listed, suitable for damp location.

#### **Specifications / Additional Information**

##### **XXL-EMG-20W-LVS-V1 Emergency Backup Ballast**

**ETL Listing: United States**

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

**Weight: 5 Lbs**

**AC Input Voltage: 120/277 VAC (Auto Select), 60hz**

**AC Input Current: 90 mA**

##### **ETL Certified**

**Factory or Field Installation (Indoor and Damp)**

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

**Made in the USA**

Larson Electronics LLC  
9419 E US HWY 175, Kemp, TX 75143  
Phone: 800.369.6671



[www.LarsonElectronics.com](http://www.LarsonElectronics.com)  
Email: [sales@LarsonElectronics.com](mailto:sales@LarsonElectronics.com)  
Fax: 903.498.3364

---

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](#)  
**Scroll Down to Purchase-**

**Special Orders - Requirements**  
Contact us for special requirements  
Phone: 1-800-369-6180  
Fax: 1-903-498-3364  
E-mail: [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)



---

## Frequently Asked Questions (FAQ)



Links (Click on the below items to view):

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