



# LED Emergency Driver for Strips



## PROJECT INFORMATION

JOB NAME	
FIXTURE TYPE	LED Emergency Driver
CATALOG NUMBER	ORST-EB
APPROVED BY	

## SPECIFICATIONS

### UL Listed for US and Canada

Listed to UL924 and tested to CSA 22.2, No. 141  
For Field or Factory Installation (Indoor and Damp)



### Illumination Time

90 Minutes

### Full Warranty

5 Years (NOT pro-rata)

### Universal Input Voltage

120-277 VAC, 50/60 Hz

### AC Input Power Rating

4.0 W (Maximum)

### Output Voltage

15-50 VDC

### Output Power

10.4 W (Maximum)

### Test Switch/Charging Indicator Light

Illuminated Test Switch

### Battery

High-Temperature, Maintenance-Free  
Nickel-Cadmium Battery  
7- to 10-Year Life Expectancy

### Recharge Time

24 Hours

### Temperature Rating (Ambient)

0°C to +55°C (32°F to 131°F)

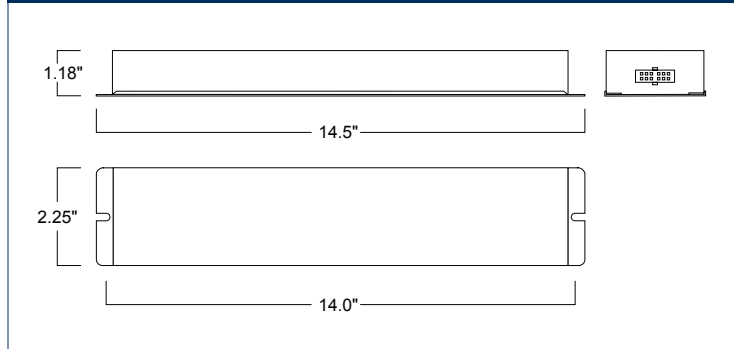
### Dimensions

15.34" x 2.25" x 1.16" (369 mm x 58 mm x 30 mm)  
Mounting Center 15.0" (356 mm)

### Weight

3.45 lbs. (1.56kg)

## DIMENSIONS



### Benefits:

- Listed for field or factory installation - UL 924 and CSA C22.2 No. 141 Emergency Lighting Compliant
- Smart Charger Technology for low energy consumption
- Meets CEC Title 20 (California Energy Commission) efficiency standards
- Class 2 output - UL 1310 Certified, CSA 22.2 No 223-M91 compliant
- Emergency mode lumen output of up to 1300 lumens
- Universal input (120-277 VAC)
- 2 wire input helps reduce wiring errors
- Compatible with a variety of LED strip manufacturers
- Compatible with AC drivers and LED loads rated for Class 2
- RoHS Compliant

## ORDERING INFORMATION

CATALOG #	DESCRIPTION
ORST-EB	LED Emergency Driver for Origin Series Strips

### Atlas Lighting Products, Inc.

PO Box 2348 | Burlington, NC 27216  
800-849-8485 | fax: 1-855-847-2794 | www.atlasled.com



## LED Emergency Driver for Strips

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### Application:

The ORST-EB is ETL Listed for factory or field installation and allows the same LED luminaire to be used for normal and emergency operation. The ORST-EB universal input (120-277 V) emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 3.0 A. The emergency driver consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one case. The ORST-EB can deliver up to 10.4 watts to an LED load (measured at nominal battery voltage) for 90 minutes. For more information about specific LED and AC driver compatibility, please call the factory.

### Operation:

When AC power fails, the ORST-EB immediately switches to the emergency mode, operating the LEDs at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

### Installation:

The ORST-EB does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency driver. The emergency driver must be fed from the same branch circuit as the AC driver. Installation is not recommended with fixtures where the ambient temperature may fall below 0° C. The product is suitable for installation in sealed and gasketed fixtures.

### Emergency Illumination:

The ORST-EB operates an LED load of up to 10.4 W at nominal battery voltage for a minimum of 90 minutes.

### Specification:

Emergency lighting shall be provided by using an LED fixture equipped with a ORST-EB universal input (120-277 V) emergency driver. This emergency driver shall consist of a high temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one case. An illuminated test switch (ITS) to monitor charger and battery and installation hardware shall be provided. The emergency driver shall be capable of delivering up to 10.4 watts to an LED load (15-50VDC) for a minimum of 90 minutes. The ORST-EB is suitable for indoor and damp locations. The ORST-EB shall have a maximum of 4.0 watts of input power and a 24.0 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. This device complies with Part 15 of the FCC Rules and meets CEC Title 20 (California Energy Commission) efficiency standards. The emergency driver shall be UL Listed for field or factory installation.

### Warranty:

The ORST-EB is warranted for five (5) full years from date of manufacture (NOT pro-rata). Please see detailed warranty information on our web site.