THE EXIT LIGHT CO.

EMERGENCY LED DRIVER | WET LOCATION RATED MICRO INVERTER 120VAC OUTPUT | 10 WATT

Code: EB-LEDMCW

FEATURES

- UL Listed for wet location applications
- Meets NEC, IBC, and Life Safety Code Emergency Light Requirements
- Integrated Emergency Kit with Combined Driver and Battery Pack
- Supports both pre-installed and on-site retrofit scenarios
- Ideal for many kinds of outdoor LED lighting
- Durable aluminum die-cast housing
- Simple Wiring
- Push to test button and AC Light

WARRANTY INFORMATION

Any component that fails due to manufacturer's defect is guaranteed for 1 year. The warranty only covers products installed and maintained in accordance with the instructions provided by their respective manufacturer and no warranty is made with respect to any of our products that are otherwise installed or maintained. For full warranty details, visit our Warranty Section.

Conformance to Codes and Standards

The EB-LEDMCW driver meets the following codes and listings: NEC, IBC, and Life Safety Code Emergency Lighting Requirements. UL listed for factory and field installations and suitable for wet locations.

ORDERING INFORMATION

Series	Wattage
EB-LEDMCW	10W

LED INDICATOR LIGHT STATUS GUIDE

Indicator Light	Status	Comment
🔋 Red Stable	Charging mode: Fully Charged	✅ In AC mode, the unit is operating correctly
🔋 Slow flashing every 2s,continuously	Battery Charging	🔌 Battery level too low. Please charge.
⚠ Flashing 2 times, light off for 2 sec, loop	Battery Error	🔋 Battery is disconnected or fails the 90-minute duration test due to insufficient capacity
⚠ Flashing 3 times, light off for 2 sec, loop	Charging Error	🔌 Ensure input wiring is correct, and verify that input voltage & frequency are correct and stable
🌡 Flashing 5 times, light off for 2 sec, loop	Temp Error	⚠ Over-temperature detected
💡 Flashing every 0.5s,continuously	LED Load Abnormal	⚠ Test failure: Matching error / Abnormal self-check output
🔋 Red Off	Battery disconnected / Emergency mode	⚠ Battery disconnected, or the device has entered emergency mode

CONSTRUCTION

The EB-LEDMCW features a durable aluminum die-cast housing with a black powder coat finish, providing strength, corrosion resistance, and long-lasting performance in demanding indoor and outdoor environments.

EMERGENCY OPERATION

The EB-LEDMCW emergency driver provides a minimum of 90 minutes of battery backup time.

BATTERY - BATTERY BACKUP

The EB-LEDMCW utilizes a 12V 3Ah Ni-Cd battery pack designed to provide a minimum 90-minute emergency runtime. The battery fully recharges within 24 hours, ensuring the unit is ready for subsequent emergency operation.

ELECTRICAL INFORMATION

Input Power	8W
Input Current	100mA Max
Power Factor	>0.5
Output WIre L-Out N-Out	AC 3A Max
Lamp Power that must be with 0-10V or 1-10V Dimmer Function	≥10W
Lamp Power at 1V	≤10W
Startup Time	<500ms
Recharge Time	≥24hrs
Compatible Luminnare Power	10-100W

SELF-CHECK

Upon initial power-up, the EB-LEDMCW automatically performs a functional self-check, during which the red LED indicator will flash slowly. The system verifies lamp compatibility, lamp starting current, lamp starting time, dimming start voltage, and dimming slope. Once the test is successfully completed, the unit resumes normal operation and the red LED remains solid. This self-check will not repeat unless the unit enters rest mode or the battery is disconnected.
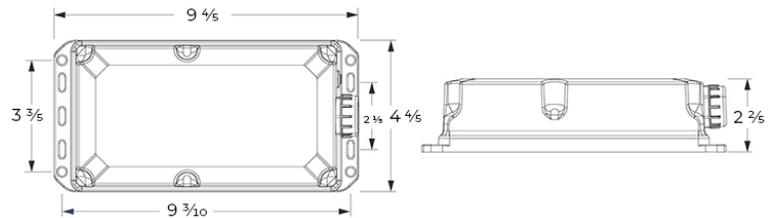
OPERATIONAL TEMPERATURE

Temperature Ratings	
Standard Option	-4°F to 122°F

INSTALLATION

The EB-LEDMCW is suitable for both indoor and outdoor LED lighting installations, but is specifically designed for outdoor and harsh-environment applications. It can be installed with a wide range of luminaires including LED troffers, LED panels, LED strip fixtures, wall packs, vapor-tight fixtures, canopy lights, high bays, area lights, and flood lights. Its durable housing and wet-location capability make it ideal for exterior-mounted fixtures and low-temperature environments.

DIMENSIONS

REST MODE

The EB-LEDMCW includes a built-in rest mode designed to extend battery shelf life by minimizing leakage current during long-term storage. To activate rest mode, press and hold the test button for more than 3 seconds while in emergency mode. When enabled, the battery is fully disconnected from the inverter, significantly reducing leakage current and allowing for extended storage life.

TEST BUTTON/INDICATOR LIGHT

The EB-LEDMCW features an integrated test button with LED status indicator for convenient system monitoring. Pressing the test button activates emergency mode; releasing the button returns the unit to charging mode. A solid red LED indicates normal charging operation.