

EMERGENCY MICRO INVERTER INSTALLATION MANUAL

UL Labeling Requirement

As required by UL standards, installation of this emergency inverter mandates the application of the provided Luminaire Modification Label. This label includes the following statement :

“This equipment has more than one power supply connection point.”

The label must be affixed to the fixture housing during installation to indicate the presence of multiple power sources and to ensure compliance with safety and inspection requirements.

What's included

ITEM	QUANTITY
Emergency Micro Inverter	1
Installation Instruction	1

PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

WARNING:

Disconnect both normal and emergency power supplies before installation.

Please read the following instructions applicable to these models.

Make sure all connections are in accordance with the National Electrical Code or Canadian Electrical Code and any local regulations.

CAUTION: Installation is to be performed only by qualified personnel.

CAUTION: This product is for use in indoor/outdoor fixtures. Do NOT use near heated air handling outlets, or hazardous locations.

CAUTION: An un-switched AC power source is required (100-277/347 VAC, 50/60 Hz)

CAUTION: Do not install near gas or electric heaters.

CAUTION: The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

CAUTION: Do not use this product for other than intended use.

CAUTION: Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.

CAUTION: Use with grounded, UL Listed, damp location rated fixtures and case should be grounding.

CAUTION: Due to sharp edges, handle with care.

CAUTION: Do not attempt to service the battery. A sealed, no-maintenance battery is used that is not field replaceable. Contact the manufacturer for information on service.

IMPORTANT: Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.

IMPORTANT: The products are produced with built-in batteries, which could be stocked for one year at most without being used.

DISCLAIMER OF LIABILITY: Light Fixture Industries assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

NOTICE: Fixture may become damaged and/or unstable if not installed properly.

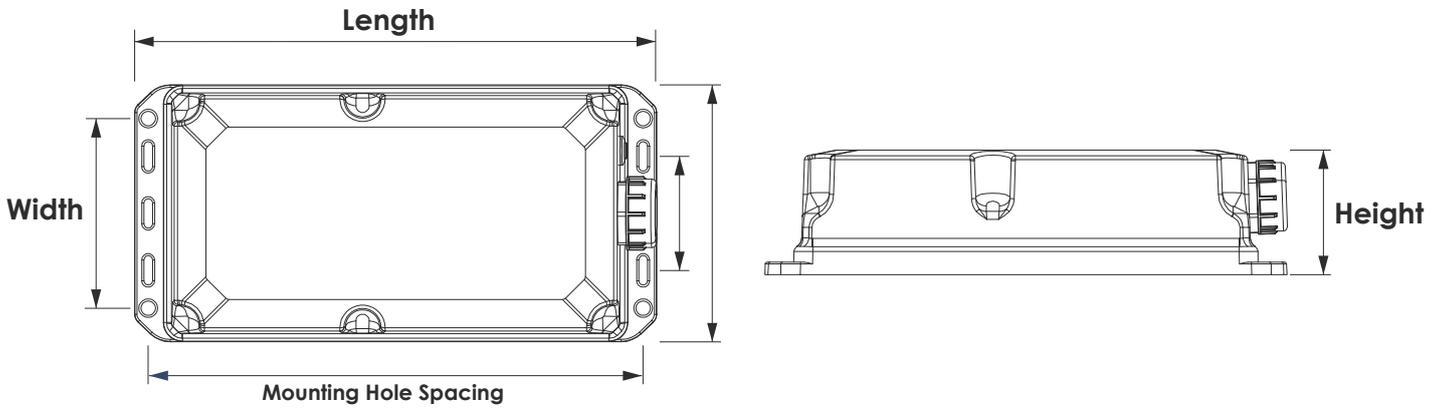
IMPORTANT: Emergency lighting is a crucial life safety system. Testing must be performed after installation.

Ordering Data

Model No.:	Rated Input	Rated Output	Battery Pack	Duration
EB-LEDMCW-10W	100-277Vac,50/60Hz	AC120V(Sine wave) 10Wc.p	Ni-Cd 12V 3Ah 36Wh	>90 minutes

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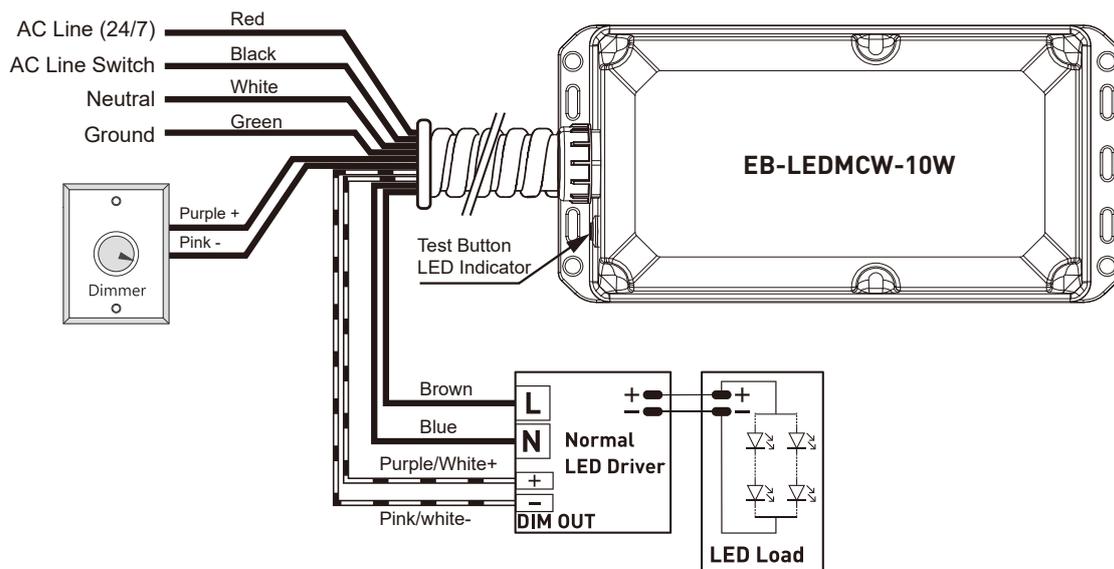
DIMENSIONS



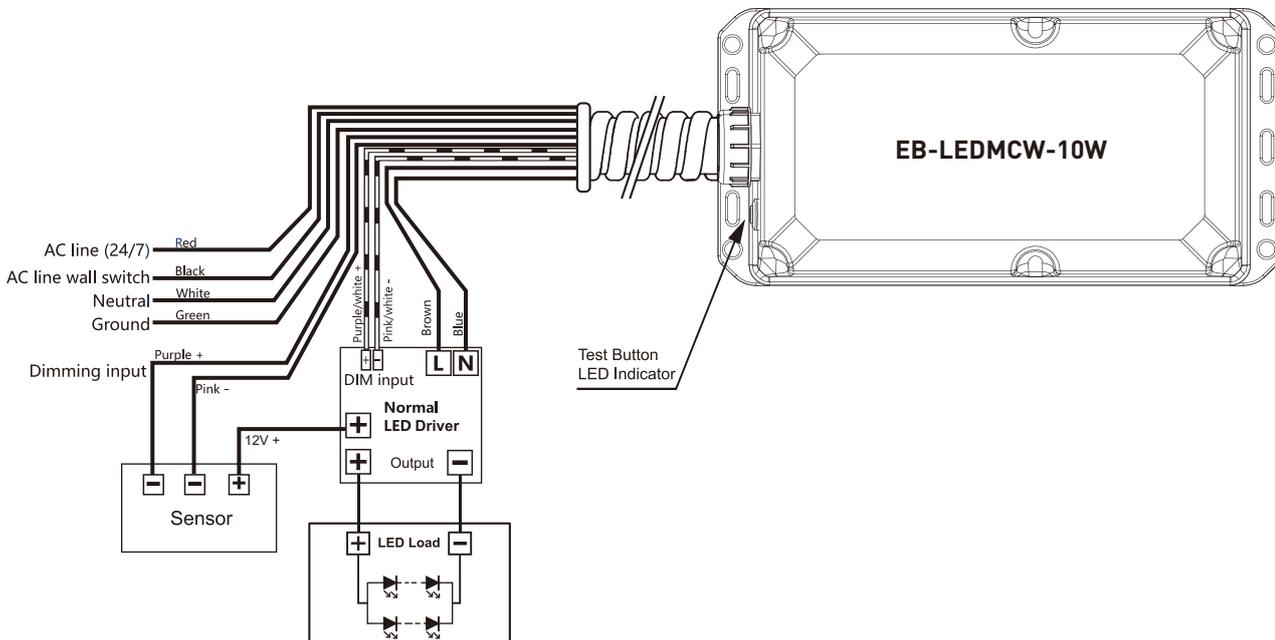
Model No.:	Length	Width	Height	Mounting Hole Spacing	Conduit Length
EB-LEDMCW-10WL	9 4/5"(250mm)	4 4/5"(124mm)	2 2/5"(60mm)	9 3/10"(237mm)/3 3/5"(91.5mm)/2 1/5"(55mm)	11 4/5"(300mm)

Wiring Diagram

Wiring Diagram For Use With Dimmer



Wiring Diagram For Use With DC Sensor



Initial Functional Self-Check

After installation, the emergency pack enters battery charging mode and the red LED will slow flash. Allow the battery to charge for a minimum of 24 hours before performing the initial functional self-check. After the initial charging period, press the test button to manually initiate the functional self-check.

The functional self-check verifies:

- Compatibility with lamp
- Lamp starting current
- Lamp starting time
- Dimming start voltage
- Dimming slope

After passing the test, the emergency pack will operate normally and the red LED will remain stable.

Note: The initial functional self-check does not start automatically after installation. The test will not repeat unless the unit enters rest mode or the battery is disconnected.

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LED Indicator Light Status Guide

Indicator Light	Status	Comment
Red Stable	Charging mode: Fully Charged	In AC mode, unit is operating correctly
Slow flashing every 2 seconds (continuous)	Battery Charging	Initial charge in progress. Allow battery to charge before performing functional self-check
Flashing 2 times, light off for 2 sec, loop	Battery Error	Battery disconnected or fails 90-minute duration test due to insufficient capacity
Flashing 3 times, light off for 2 sec, loop	Charging Error	Verify input wiring, voltage, and frequency are correct and stable
Flashing 5 times, light off for 2 sec, loop	Temperature Error	Over-temperature detected
Flashing every 0.5 seconds (continuous)	LED Load Abnormal	Test failure: matching error or abnormal self-check output
Red Off	Battery disconnected / Emergency mode	Battery disconnected or unit has entered emergency mode