

EMERGENCY PACK - SPLIT TYPE

INSTALL INSTRUCTIONS (#EMB-ST-[8,15]W-U)



PLEASE USE A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read and follow the instructions before installation.

IMPORTANT SAFEGUARDS: When using electrical equipment, basic safety precautions should always be followed.

CAUTION

- Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations. Proper grounding is required for safety.
- Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged if drilling for installation of LED Emergency Backup. Check for enclosed wiring and components.
- Risk of fire or electric shock. This LED Emergency Pack installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not handle energized fixture when hands are wet, when standing on wet or damp surfaces, or in water.
- The electrical rating of this product is 100-347V AC. Installer must confirm that there is 100-347Vac to the fixture before installation.
- This is a sealed unit. Components are not replaceable. Replace the entire LED Emergency Backup unit when necessary.
- Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.
- Suitable for use in damp locations and dry locations where the ambient temperature is 41° F minimum, 122°F maximum. (5°C ~ 50°C)
- Not for use in heated air outlets or hazardous locations.
- Do not use outdoors.
- Do not let power supply cords touch hot surfaces.
- Maximum mounting height: 27.2 FT
- Do not mount near gas or electric heaters.
- Do not use this equipment for other than its intended use.
- The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.
- Use with grounded, UL Listed, dry or damp location rated fixtures.

IMPORTANT

- Before installing, make certain the AC Power to the fixture is off to avoid electric shock.
- An un-switched AC power source of 100~347VAC 50/60Hz is required.
- Verify that all fixture lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.
- The fixture driver must be on the same branch circuit as the Emergency Backup Unit.
- The emergency LED driver is intended for use only with grounded, UL Listed luminaires. It must be installed within the LED luminaire enclosure and securely bonded to the luminaire's grounding system.
- For first-time use, charge the battery continuously for at least 24 hours to activate all battery cells and achieve optimal charging and discharging performance.
- During storage, the emergency LED driver should be charged for 24 hours every 6 months. The maximum recommended storage period is 1 year. If the product is not installed and recharged within 1 year, the battery may become damaged. Battery damage caused by improper storage is not covered under the warranty, and replacement batteries will be provided at the customer's expense.
- Lighting fixture manufacturers, electricians, and end users must verify system compatibility before use and final installation.



THIS PRODUCT CONTAINS A RECHARGEABLE LITHIUM BATTERY. THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.

Battery is rechargeable Li-ion type and must be recycled or disposed of properly. Do not use this emergency driver with accessory equipment other than recommended by the manufacturer. Failure to follow this may cause an unsafe condition and will void warranty. Servicing of this equipment should be performed by qualified personnel only.

KIT INCLUDES	QTY
LED Emergency Pack	1
Charging Indicator/Testing Button	1
Charging Indicator/Testing Button Wall Cover	1
Instruction Sheet	1

SAVE THESE INSTRUCTIONS

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OPERATION

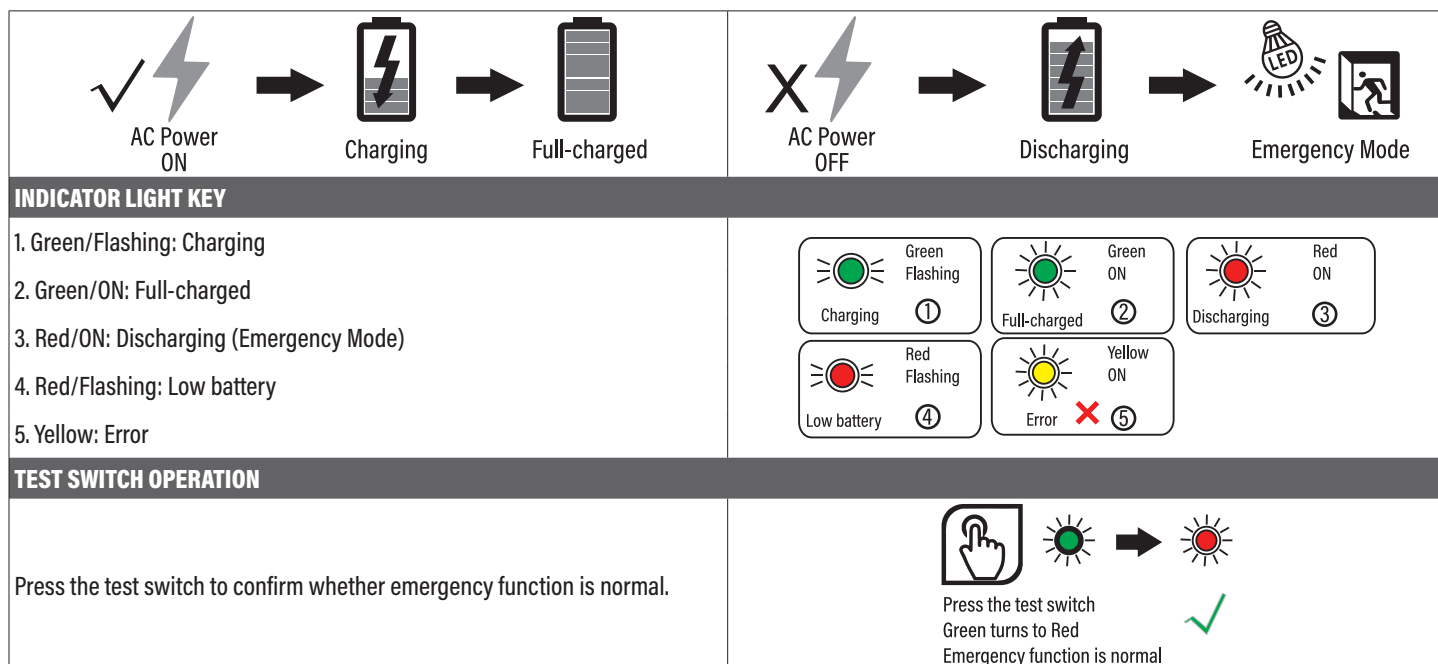


WARNING DISCONNECT POWER
BEFORE INSTALLING OR SERVICING.

AC Operation: AC power is present. The AC driver operates the LED load as designed. AC driver output current can not exceed 100W or $\leq 2A$. The emergency driver is charging in a standby mode. The charging indicator will be lit and flashing, showing that the battery is charging.

Emergency Operation: When the AC power goes out, the emergency driver detects the AC power outage and automatically switch to the working emergency mode. The red LED light on indicates that it is discharging, the red LED flashes to indicate low battery power. The red LED light off indicates that the discharge is complete. When the AC power is restored, The emergency driver backs to AC power working and starts recharging.

This unit contains a control circuit that automatically performs a 30-second discharge test once a month and a full 90-minute discharge test once a year. During routine testing, the emergency driver simulates an AC power failure causing the unit to automatically switch to emergency mode. The unit will monitor the operation of the LED load, battery voltage, LED load connections and emergency duration. At the end of this test, if the emergency system functions properly, the unit will return to normal operation. Should the unit detect any problems, the indicator light will be yellow.



SPECIFICATIONS



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ORDERING CODE	EMB-ST-8W-U	EMB-ST-15W-U
Input Voltage:	100-347Vac, 50/60Hz	
Input Current:	0.1A Max.	
Input Power:	8W Max.	12W Max.
Output Voltage:	170V DC	
Output Power:	8W	15W
Ambient Temperature:	41°F ~ 122°F	
Max. Mounting Height:	27.2 ft, recommended	
Application:	≤ 60W (0-10V) Dimmable Fixture ≤ 8W LED Lamps without dimming function	≤ 100W (0-10V) Dimmable Fixture ≤ 15W LED Lamps without dimming function

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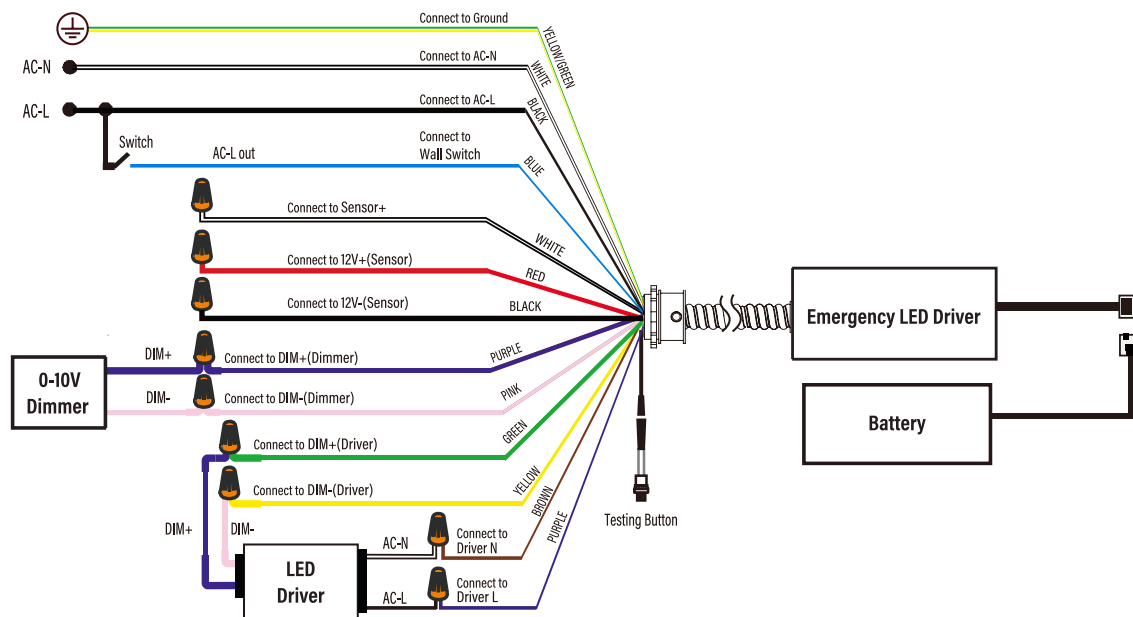
WIRING DIAGRAMS



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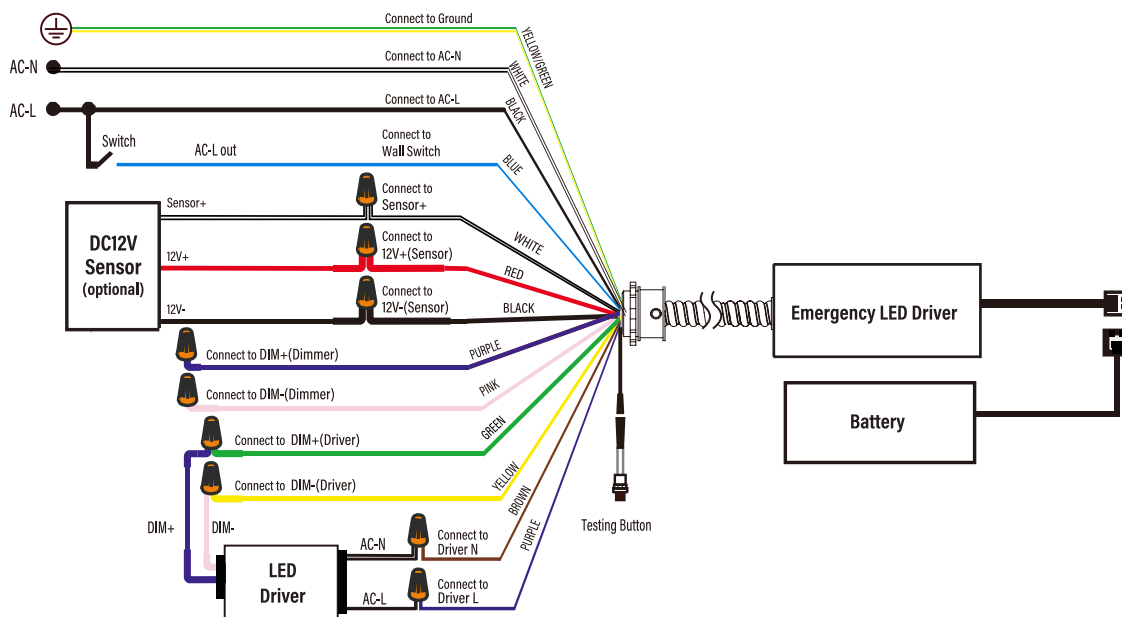
WIRING DIAGRAM 1: 0-10V Dimmable LED Driver + Dimmer Switch

Emergency Pack Dim+ (Green), Dim- (Yellow) has to connect with LED driver DIM+ and DIM- respectively, as shown. (*LED DRIVER INPUT POWER NOT GREATER THAN 60W FOR EMB-ST-8W-U / 100W FOR EMB-ST-15W-U)



WIRING DIAGRAM 2: 0-10V Dimmable LED Driver + Wall Switch

Emergency Pack Dim+ (Green), Dim- (Yellow) has to connect with LED driver DIM+ and DIM- respectively, as shown. If using 12V DC sensor, the wires must connect to emergency LED driver's 12V sensor wires. (*LED DRIVER INPUT POWER NOT GREATER THAN 60W FOR EMB-ST-8W-U / 100W FOR EMB-ST-15W-U)



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WIRING DIAGRAMS



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WIRING DIAGRAM 3: Non Dimmable LED Driver

(*LED DRIVER INPUT POWER NOT GREATER THAN EMERGENCY PACK OUTPUT POWER)

