

EMERGENCY PACK FOR LED COMPASS HIGH BAYS - 59655

INSTALL INSTRUCTIONS

PLEASE FIND 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 Backup 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.
- This equipment provides more than one power supply output source. To reduce the risk of electric shock disconnect both normal and emergency sources within this unit before servicing any equipment connected to this unit CAUTION: Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition. CAUTION: Do not use this equipment for other than its intended use.
- Use with grounded, UL Listed, dry, damp or wet location rated fixtures. Case should also be grounded. CAUTION: This product is for use in indoor fixtures only. Do NOT use near heated air handling outlets or hazardous locations.
- Suitable for use in 41° F minimum, 122°F maximum. (5°C ~ 50°C)

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 is required.
- This device is designed for fixtures listed for dry, damp or wet locations.
- Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- It is recommended to charge emergency LED driver 24 hours every 6 months during storage.
- Use with LED lamps less than 300W. When dimming to minimum the power should be less than 35W.

NOTE: Indicator (LED light) illuminated indicates battery in charge mode when AC power is applied. It is recommended and required by applicable code to test emergency function to ensure proper operation of the system; press the remote controller ON button every 30 days to ensure the emergency driver is functioning and LED light source is illuminated. Conduct a ninety minute (90) discharge test one time (1) per year; LED light source should be illuminated for a minimum of ninety minutes (90).

TESTING SYSTEM: The emergency battery requires a charge minimum of one (1) hour before testing the circuit. A full charge and a 90-minute test requires twenty-four (24) hours of charging.



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

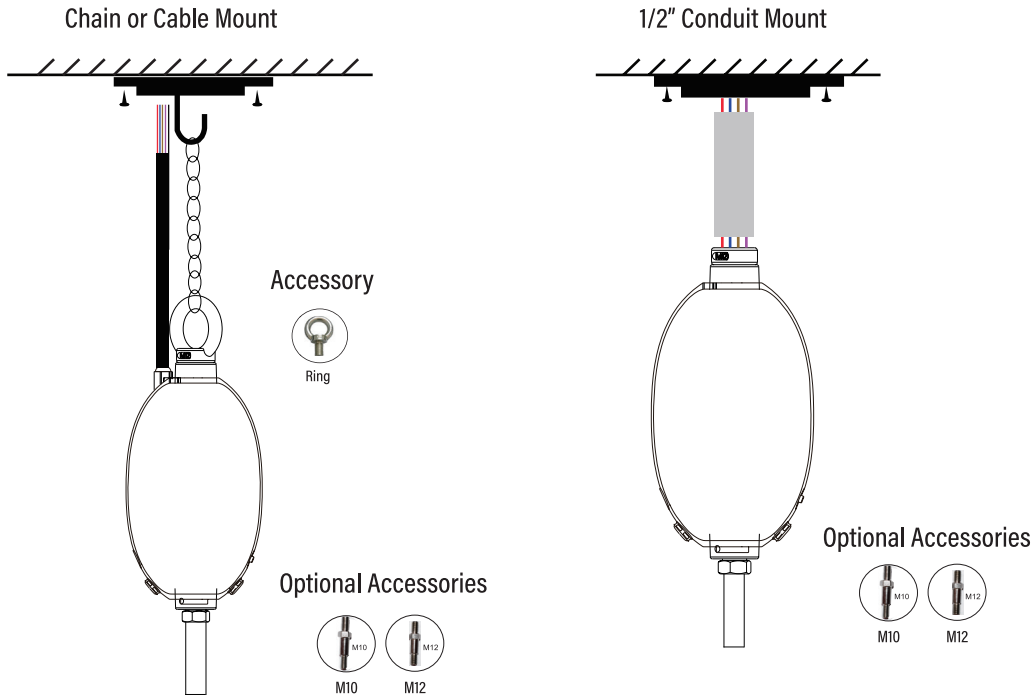
Battery is rechargeable Li-ion type and must be recycled or disposed of properly. Do not use this emergency driver with accessory equipment other than recommended by the manufacturer. Failure to follow this may cause an unsafe condition and will void warranty. Servicing of this equipment should be performed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

SAVE THESE INSTRUCTIONS

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WARNING DISCONNECT POWER BEFORE INSTALLING OR SERVICING.

TYPICAL INSTALLATION - See instruction manual for typical installation and select appropriate mounting method.



INSTALLATION STEPS - CAUTION: Before installing, make certain the AC power is off.

STEP 1 - Notice

- (A): Disconnect all power sources to the lighting fixture and ensure they are locked out during installation and maintenance.
- (B): The LED driver must be sourced from the LED emergency pack.
- (C): Select a suitable location on the ceiling for proper mounting of LED emergency pack (battery).

STEP 2 - Installation

- (A): Install the ring to top threaded hole of LED emergency pack and secure ring with screw.
- (B): Install the M10 or M12 adapter to the bottom threaded hole of LED emergency pack and fix it with screw.
- (C): Install the LED emergency pack to high bay fixture with screw.
- (D): Open the LED emergency cover and remove the plastic covers and install the waterproof connectors (4pcs).

STEP 3 - Wiring

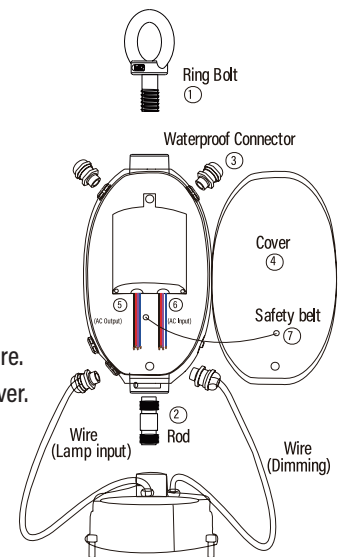
Pull wires through connector and into cavity of emergency pack. Connect wiring using wire connectors.

- (A): Connect the AC output wires (Brown, Blue and Green) of emergency pack with AC input wires of LED lighting fixture.
- (B): Connect the dimming output wires (Purple and Pink) of emergency pack with the dimming input wires of LED Driver.
- (C): Connect AC input wires (Black, White and Red) of emergency pack with AC main power cord.
- (D): Connect the input dimming wires (Purple, Pink) of emergency pack with dimming wires from dimmer.

Note: Refer to LED emergency pack wiring diagram.

STEP 4 - Testing

- (A): After installation is complete, apply AC power.
- (B): At this point power should be connected to the fixture driver and the emergency LED pack. Charging indicator light should be illuminated, indicating the LED emergency pack (battery) is charging.
- (C): A short-term discharge test may be conducted after the emergency LED pack has been charging for 1 hour. Charge for 24 hours before conducting a long-term discharge test.



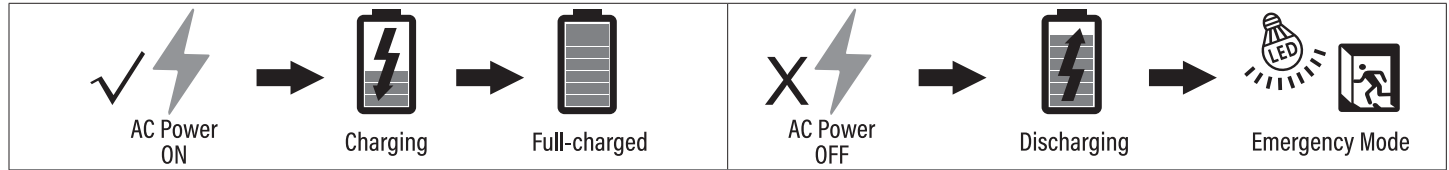
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OPERATION

AC Operation: AC power is present. The AC driver operates the LED load as designed. The emergency driver is charging in a standby mode. The charging indicator will be lit, showing that the battery is charging.

Emergency Operation: When the AC power goes out, the emergency pack detects the AC power outage and automatically switch to emergency mode. When red LED light is OFF, that means driver is discharging. When the AC power is restored, the emergency driver goes back to AC power and starts recharging.



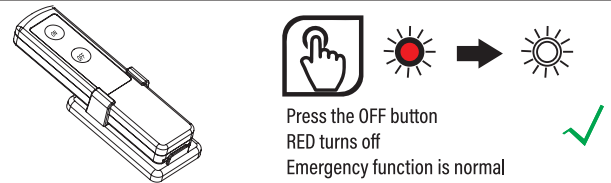
INDICATOR LIGHT KEY	
1. Red/ON: Charging	
2. Red/OFF: Discharging	

REMOTE CONTROL OPERATION

Note: Remote must be pointed at the indicator light and be within a 45 degree angle to send signal to LED emergency driver. Remote controls requires two AAA batteries to operate. Batteries are not included.

ON: Press the ON button to test emergency function. This light will switch to its emergency lighting mode and the indicator light will turn off.

OFF: Press the OFF button, the light will revert to normal lighting mode. When main power supply is OFF(emergency mode), press the OFF button to turn off emergency function.

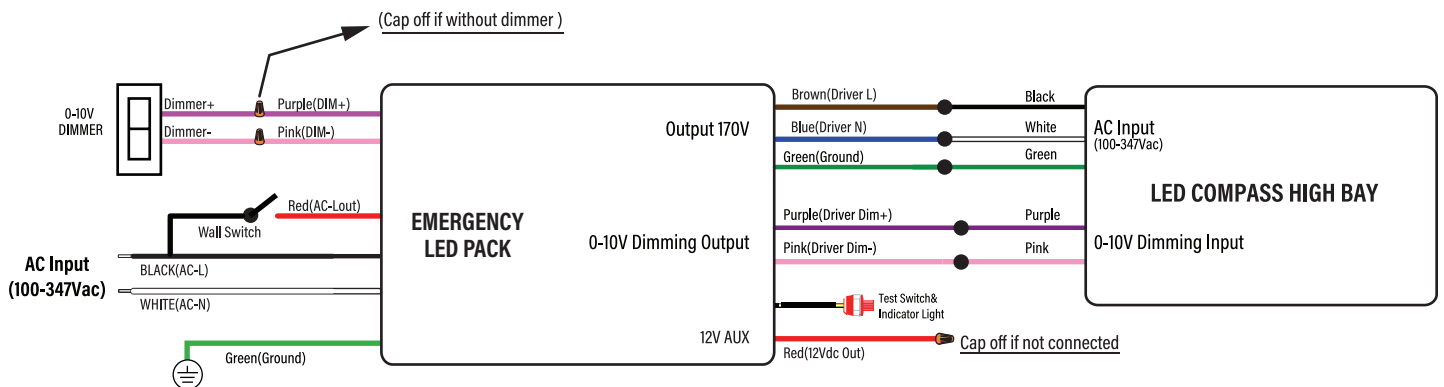


WIRING DIAGRAMS

IMPORTANT EM pack output dimming wires must connect to 0-10V dimming wires (DIM+, DIM-) of fixture LED driver. Will NOT operate if not connected.

NOTE: For 0-10V dimmable LED FIXTURES with an input power less than 300W.

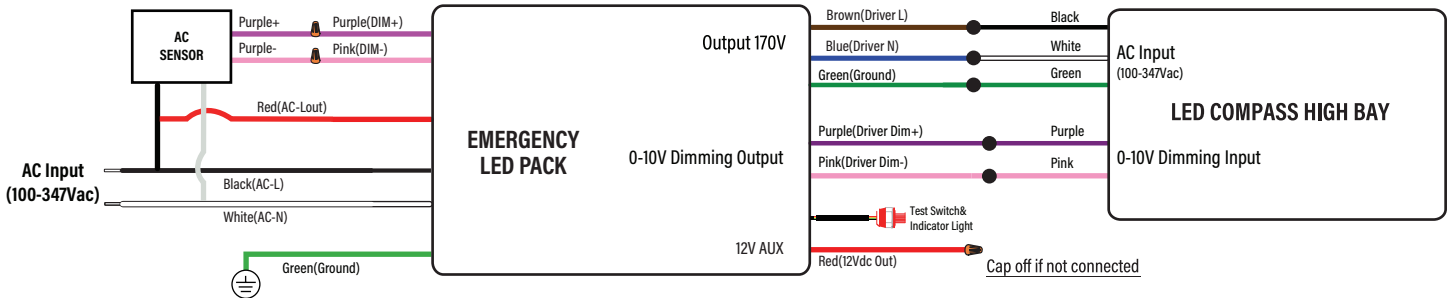
WIRING DIAGRAM 1: With Dimmer



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WIRING DIAGRAM 2: With AC Sensor



WIRING DIAGRAM 3: With 12V DC Sensor

