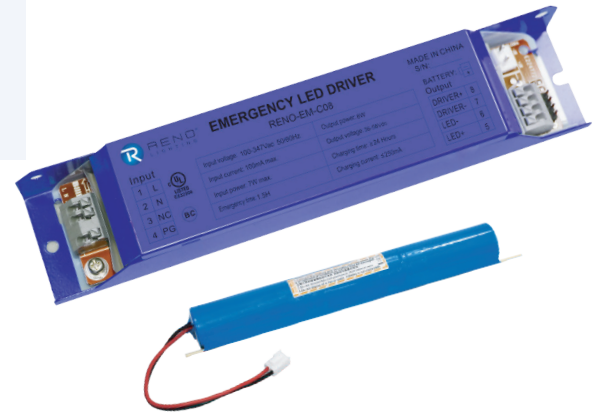


## INSTRUCTIONS FOR THE FOLLOWING FIXTURES

ORDER#	MODEL#
R83004	RENO-EM-C08



## FEATURES

- Meet most of safety standards for lighting
- Standard CSA C22.2 NO.141、UL924
- External LiFeP04 battery
- Battery protections : over charge protection、 over discharge protection 、 short circuit protection
- Indicator shows a variety working modes
- The batteries Meet 500 cycles of standard CH and standard DCH
- RoHS compliant
- Emergency 1.5 hours

## SPECIFICATIONS:

Universal Input Voltage  
100–347Vac, 50/60Hz

AC Input Current  
100mA max.

AC Input Power Rating  
7.0W max.

Output Voltage  
36-56Vdc

Output Power  
8W

Emergency Time  
≥1.5H

Full Warranty  
5 Years

Test Switch Indicator Light  
Illuminated Test Switch,  
indicator Light

Battery  
LiFeP04 battery

Battery Charing Current  
250mA

Charing Current  
≥24Hours

Temperature Rating (Ambient)  
5°C to +60°C (41°F to 140°F)

Dimensions  
7.4"x1.5"x1.14" (188mmx38mmx29mm)

## OPERATION:

### AC Operation:

AC power is present, the LED load from the LED driver is normal power supply, AC LED driver output current can not exceed 4A, the emergency driver is charging in a standby mode, the red LED light on to indicate that it is charging.

### Emergency operation:

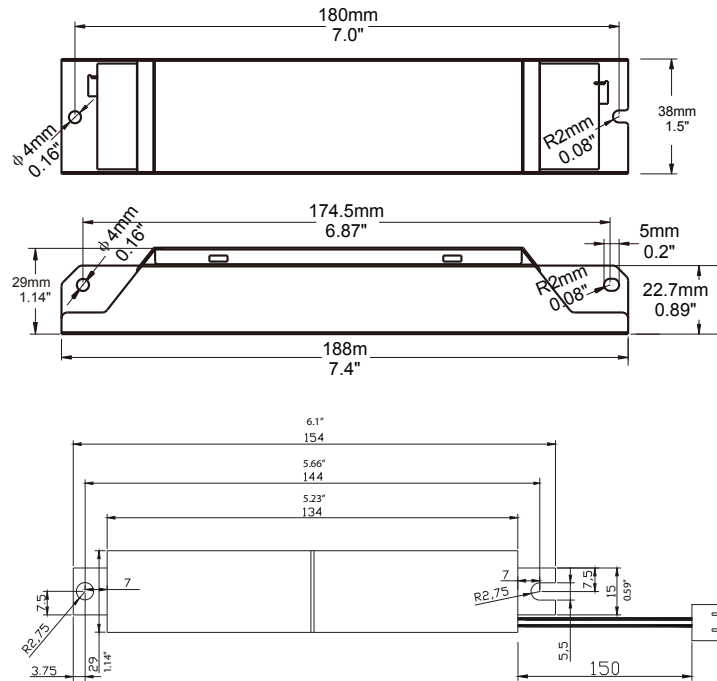
When the AC power goes out, the emergency driver detects the AC power outage and automatically switch to emergency mode,the red LED light off. When the AC power is restored,the emergency driver backs to AC mode and starts re-charging, the red LED light on.



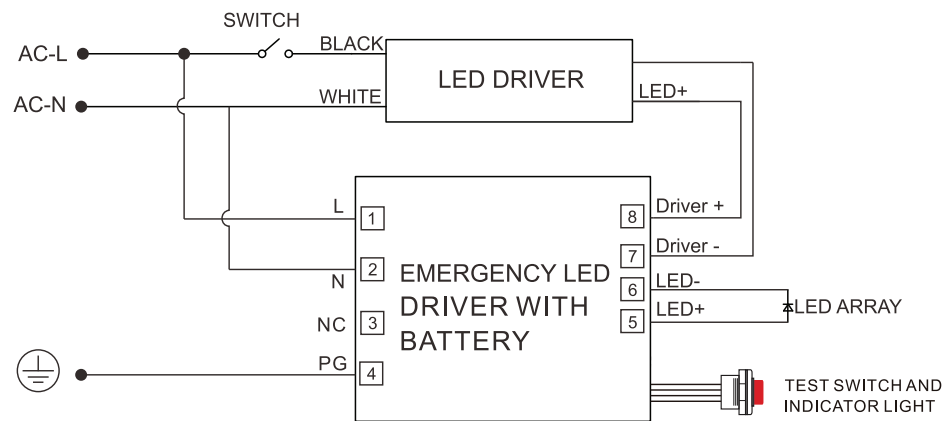
## DIMENSIONS:

Case: 7.4"x1.5"x1.14" (mounting center: 7.0")

Battery: 6.1"x1.14"x1.22" (mounting center: 5.66")



## WIRING DIAGRAM:



1. DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
2. TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.

## IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- Customers are advised to charge emergency LED driver 24 hours every 6 months during storage.
- Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when 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.
- Before installing, make certain the AC power to the fixture is off.
- The electrical rating of this product is 100– 347Vac. Installer must confirm that there is 100– 347Vac to the fixture before installation.
- To prevent electrical shock only mate unit connector after installation is complete and before the AC power to the fixture is back on.
- Do not use in outdoor.
- This LED Emergency Backup unit requires an un-switched AC power source of 100– 347Vac, 50/60Hz. The AC driver must be on the same branch circuit as the LED Emergency Backup unit.
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not connect battery pack connector until all other wiring is complete and AC power is on.
- The emergency LED driver is for use with grounded, UL listed LED luminaires, shall be enclosed by the LED luminaire and bonded to the grounding of LED luminaire.
- Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.
- Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.
- Do not use this equipment for other than its intended use.
- Use with grounded, UL Listed, dry or damp location rated fixtures.

## INSTALL INSTRUCTIONS

1. Make sure power is turned off and locked out for the circuit you are working on. Always consult a qualified electrician.
2. Ensure the battery pack is not connected to the emergency driver until all appropriate connections are made.
3. Mount the emergency driver and battery pack within the luminaire
4. Install red test button on the fixture via one of the stamped knockouts
5. Plug the test button connector into the emergency driver
6. Take your line voltage building power and connect the EM driver and fixture together with the building power.
7. Locate the LED+ & LED- terminal on the emergency driver and the LED+ & LED- terminal on the fixture driver
8. Disconnect the LED+ and LED- wires from the FIXTURE driver, connect a jumper to the LED+- on the emergency driver and reconnect the 2 wires to re-feed the LED array off of the Emergency driver (Polarity Sensitive)
9. Connect a jumper from the Driver+ and – on the emergency driver to the LED+ & - terminal on the fixture driver (same connection point as step 8)
10. Plug Battery Pack into emergency driver
11. Re-energize the circuit, the fixture should power on and the red test light should illuminate.
12. Allow for at least half hour of charging, disconnect power and fixture should illuminate at a dimmed state on emergency mode.

### NOTE:

Wiring for fixtures with dual-channel outputs (V+, CW-, WW-):

This emergency driver is designed for single-channel operation. When used with tunable white (CCT) drivers, only one channel (Cool White or Warm White) can be connected for emergency operation.

Select either the CW- or WW- channel and connect as follows:

- Connect the emergency driver Driver- lead to the selected channel (CW- or WW-) from the fixture driver.
- Connect the emergency driver LED- lead to the corresponding negative lead of the LED load for the same selected channel.
- The V+ (common positive) connection remains unchanged.

During emergency mode, only the selected channel will illuminate. Tunable (CCT) functionality will not be available.