

Features

- Meet most of safety standards for lighting
- Standard CSA C22.2 NO. 14 UL924
- External lithium 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 1.5H

Specifications

Universal Input Voltage:	100-347Vac, 50/60 Hz
AC Input Current:	100mA max.
AC Input Power Rating	7.0W max.
Output Current and Voltage:	133-666mA 30-150Vdc
Output Power	20W
Emergency Time:	1.5H
Test Switch Indicator Light:	Illuminated Test Switch, indicator light
Battery:	Cold rated Li-ion battery
Battery Charging Current:	$\leq 250\text{mA}$
Charging Time:	48 hours
Ambient Temperature	-4 °F to 122°F
Warranty:	7 years

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 200W or 4A, the emergency driver is charging in a standby mode, the red LED light on to indicate that it is charging.

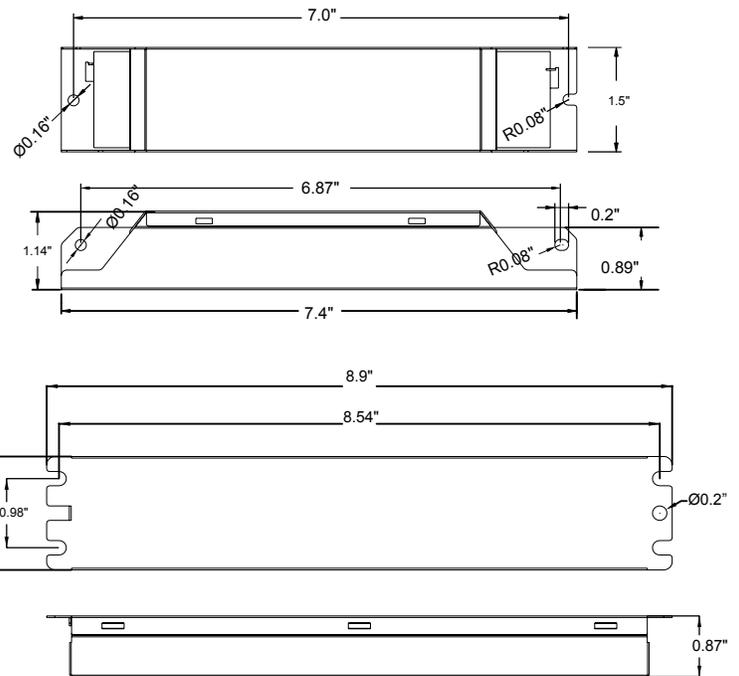
Emergency Operation:

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

Dimensions

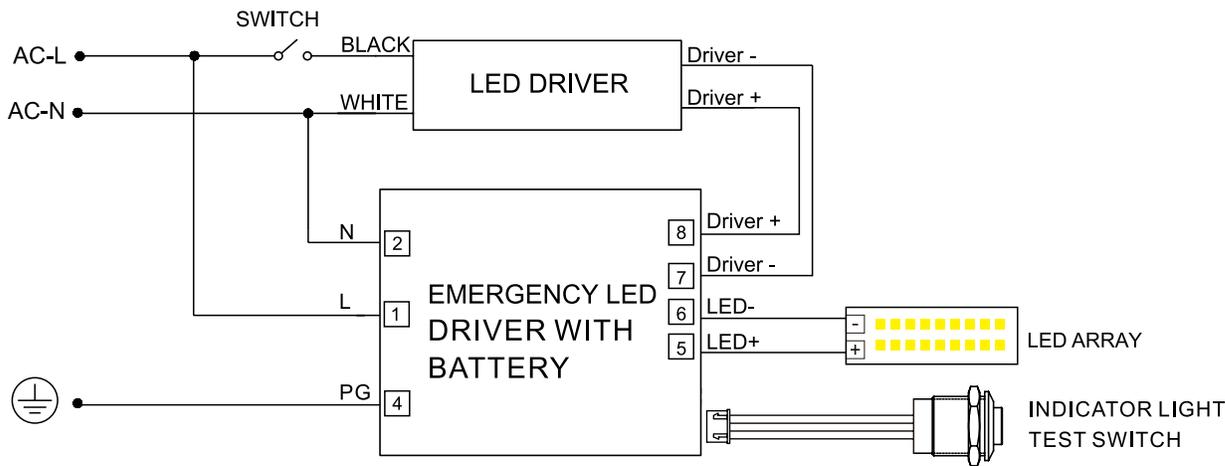
Driver: 7.4"x1.5"x1.14" (Mounting center: 7.0")

Battery Case: 8.9"x1.61"x0.87" (Mounting center: 8.54")





Wiring Diagram



1. DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
2. TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.
3. DURING EMERGENCY MODE, PRESS TEST SWITCH TWICE TO CUT OFF THE EMERGENCY.

IMPORTANT SAFEGUARDS

Follow all required local and national safety precautions including the following.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- IMPORTANT: Customers are advised to charge emergency LED driver 24 hours every 6 months during storage.
- IMPORTANT: Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility test before using and final installation.
- 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 outdoors.
- 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.
- The battery pack is fixed by the screw and the indicator lamp is attached to the shell of the luminaire by 3M tape.
- 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.



Project Name	
Catalog #	
Job Type	
Prepared By	
Notes	

Ordering Information

Part #	Description
EMC20	Emergency Battery Backup Cold Weather 20W -4 °F to 122°F