



LOD-EXTED-M20W Series Installation Guide

SAVE THESE INSTRUCTIONS!

SAFETY INSTRUCTIONS: Read instructions carefully before attempting to install fixture.

- All wiring should be performed by a qualified electrician. All connections must be in accordance with the requirements of the National Electrical Code.
- Disconnect power before installing or servicing. This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances.
- Proper grounding is required to ensure personal safety.
- The electrical rating of this product is 100 – 277 VAC. Installer must confirm that there is 100 – 277 VAC to the fixture before installation.

CAUTION:

- **WARNING:** Risk of fire or electrical shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED emergency battery. Check for enclosed wiring and components.
- **WARNING:** Risk of fire or electrical shock. This LED emergency backup installation requires knowledge of the luminaire electrical systems. If not qualified, do NOT attempt installation. Contact a qualified electrician.
- **WARNING:** Do NOT use outdoor.
- **WARNING:** This LED Emergency battery unit requires an un-switched AC power source of 100 – 277 VAC, 50/60Hz. The AC driver must be on the same branch circuit as the LED emergency battery unit.
- **WARNING:** Do NOT let the power supply cords touch any hot surfaces.
- **WARNING:** Do NOT mount near gas or electric heaters.
- **WARNING:** Do NOT connect the battery pack connector until all other wiring is completed and the AC power is on.
- **WARNING:** Equipment should be mounted in locations and at heights where it is not subjected to any tampering by unauthorized personnel.
- **WARNING:** The use of accessory equipment is NOT recommended by the manufacturer and may cause an unsafe condition.
- **WARNING:** Do NOT use this equipment for anything other than its intended use.

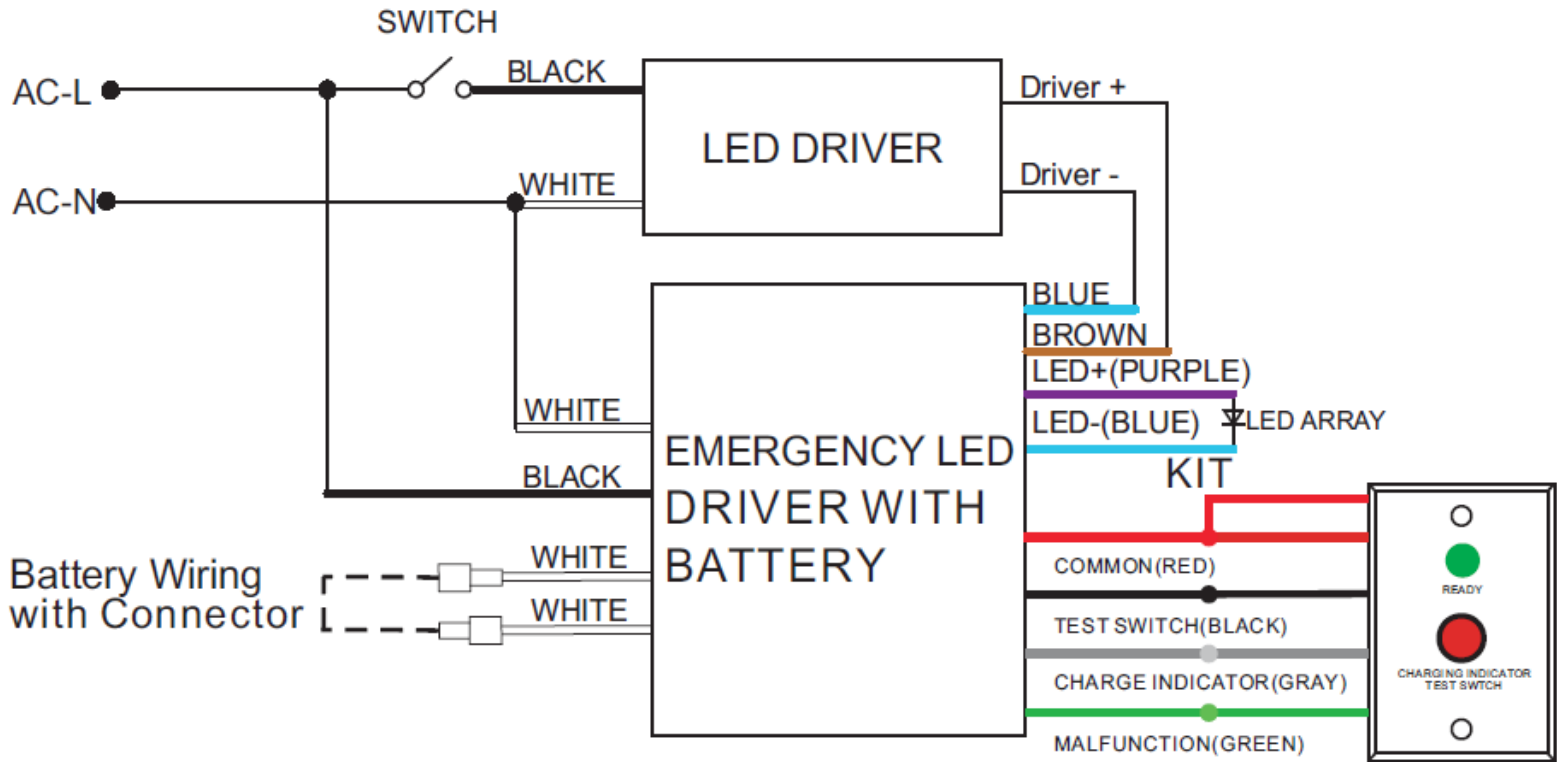
APPLICATIONS:

The LOD-EXTED-M20W emergency battery can be used with most LED loads that have a rated voltage of 25-48Vdc. This emergency battery has been evaluated to and found compliant to UL924. The emergency pack assembly is accepted as a component of a luminaire where the suitability of the combination shall be determined by UL or authorities. The as-installed performance of the system must meet or exceed all Federal, State and local code requirements.

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WIRING DIAGRAM:

- Do NOT mate connector until installation is completed and the AC power is supplied.
- Test the accessory leads-observe proper polarity wiring.



OPERATION:

- AC Operation: AC power is present. The AC driver operates the LED load as designed. The AC LED driver that has an output current is not to exceed 4.0 A. The emergency pack is charging in a standby mode. The charging indicator will light up showing that the battery is charging.
- Emergency Operation: When the AC power goes out, the emergency pack detects the power outage and automatically switches to the emergency mode. The charging indicator will turn off. The LED load is illuminated for a minimum of 90 minutes. When the AC power is restored, the emergency pack will switch back to Normal Mode and start to re-charge again.
- Malfunction Mode: The green LED will light up when the emergency driver is normal and without any internal circuit fault. When the battery is disconnected, the emergency driver circuit is faulty, and the green light will turn off.

Dial switch code selection

Emergency Power			
Power	Voltage	1	2
20W	25-48Vdc	—	—
15W		—	0N
10W		0N	—

NOTE:

- When the dial switch code 1 and 2 turn off, the emergency power is 20W.
- When 1 is turned off and 2 is turned on, the emergency power is 15W.
- When 1 is turned on and 2 is turned off, the emergency power is 10W.