

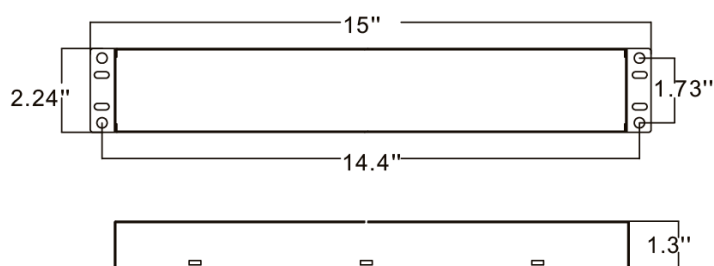
APPLICATIONS:

This emergency driver can be used with most LED loads that have a rated voltage of 25-48Vdc. These emergency packs have been evaluated to and found compliant to UL 924. 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 having jurisdiction. The as-installed performance of the system must meet or exceed all Federal, State and local code requirements.

FEATURES:

- Selectable emergency power 10W, 15W and 20W
- Constant output power (auto-sensing output within each range)
- Output class 2 complaint
- Battery protection: over voltage protection, low voltage protection, over temperature protection and short circuit protection

DIMENSIONS:



Emergency Driver 20W Spec

LOD-EXTD-M20W



OPERATION:

AC Operation: AC power is present. The AC driver operates the LED load (the LED load must be less than 100W) as designed. The emergency pack is charging in a standby mode. The test button will be lit showing that the battery is charging.

Emergency operation: When the AC power goes out, the emergency pack detracts the power outage and automatically switches to the emergency mode. The LED load is illuminated for a minimum of 90 minutes. When the AC power is restored, the emergency pack switches back to normal mode and starts re-charging.

Testing Procedures: Press the test button to cut the power to the AC driver and switch the system to emergency mode. Release the test button to return to normal mode. Switch off the circuit breaker to simulate a full power outage. For initial testing, allow the unit to charge approximately 1 hour. Then conduct a short discharge test. Allow a 24-hour charge before conducting a 1-hour test.

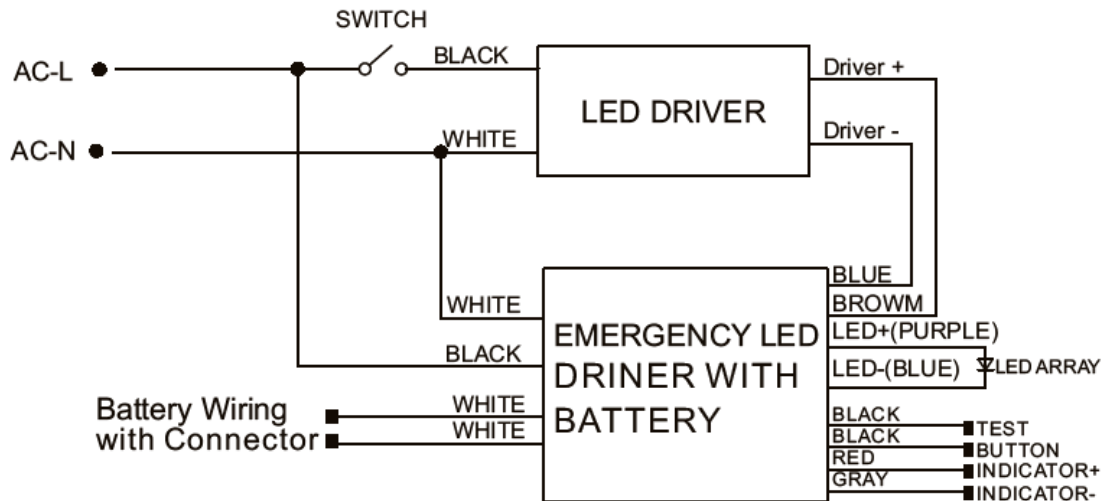
NFPA 101 Life Safety Code outlines the following schedule:

Monthly – Ensure that the test button light is illuminated. Conduct a 30 second discharge test by depressing the test button. The LED load should operate at reduced output.

Annually – Ensure that the test button is illuminated. Conduct a full 90-minute discharge test. The unit should operate as intended for the duration of the test.

SPECIFICATIONS:

SPECIFICATION	Details
Model	LOD-EXTED-M20W
Output Power	20W max
Universal Input Voltage	120-277Vac, 50/60Hz
AC Input Current	90mA max
AC Input Power Rating	6.0W max
Output Current and Voltage	420-800mA 25-48Vdc (class 2)
Illumination Time	90 minutes
Recharge Time	24 hours
Battery Charging Current	250mA
Battery	High-temperature, maintenance-free Ni-MH battery
Operating Temperature	0°C to 50°C (32°F to 122°F)
Size and Weight	15" x 2.24" 1.3" 3.2lbs
Warranty	5 years limited



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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 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 you are 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 120–277Vac. Installer must confirm that it is a 120–277Vac 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 outdoor.
- This LED Emergency Backup unit requires an un-switched AC power source of 120– 277Vac, 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.