4W Emergency LED Driver

User Manual

01 / CAUTION

- To prevent electrical shock, do not mate unit connector until installation is complete and A.C. power is supplied to the unit.
- This device provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both normal and emergency sources by turning off the A.C. branch circuit and by disconnecting the unit connector.
- This is a sealed unit. Components are not replaceable. Replace the entire unit when necessary.
- Installation and servicing should be performed by qualified personnel only. De-energize before opening.
- An unswitched AC power source of 120 to 277volts AC, 50-60Hz is required.
- This emergency LED driver and A.C. driver must be on the same branch circuit.
- Do not mount near gas or electric heaters.
- The emergency LED driver should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The emergency LED driver will supply 3-60V DC output at the individual rated specification for 90 minutes.
- This product is suitable for use in indoor damp locations where the ambient temperature is 32°F minimum, 122°F maximum. Product is also suitable for installation in sealed and gasketed fixtures. Product is not suitable for heated air outlets and wet or hazardous locations.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition, void warranty, and result in non-compliance with UL specifications.
- Do not use this equipment for other than intended use.
- Install in accordance with the National Electrical Code and local regulations.
- The emergency LED driver is for use with grounded, UL listed LED luminaire, shall be enclosed by the LED luminaire and bonded to the grounding of LED luminaire.
- Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility before final installation.

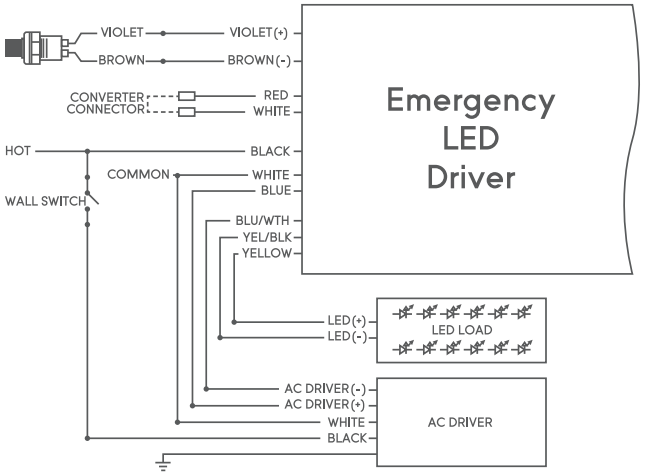
02 / INSTALLATION INSTRUCTIONS

WARNING: TO PREVENT HIGH VOLTAGE FROM BEING PRESENT ON YELLOW & YELLOW/BLACK OUTPUT LEADS PRIOR TO INSTALLATION, CONVERTER CONNECTOR MUST BE OPEN. DO NOT JOIN CONVERTER CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED TO THE EMERGENCY DRIVER.

CAUTION: Before installing, make certain the A.C. power is off and the unit connector is disconnected.

WIRING

Refer to the wiring diagram for the appropriate wiring of LED load and driver. Install in accordance with the National Electrical Code and local regulations.

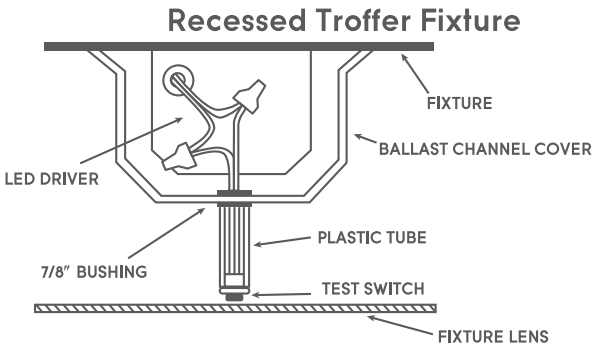


INSTALLING THE TEST SWITCH

Recessed Troffer Fixture

1. Select a convenient location with proper clearance in the channel cover and drill or punch a ½ hole (½ knockout).
2. Insert the 7/8 bushing into the hole. Push the plastic tube through the bushing.
3. Route the leads of the TEST SWITCH through the plastic tube. Connect the LED wires from the unit to the TEST SWITCH according to the wiring diagram.
4. Push the entire assembly back into the tube until the lens collar rests against the plastic tube.
5. The plastic tube should be adjusted so that the TEST SWITCH is within ¼ of the fixture lens. The TEST SWITCH must be visible after installation.

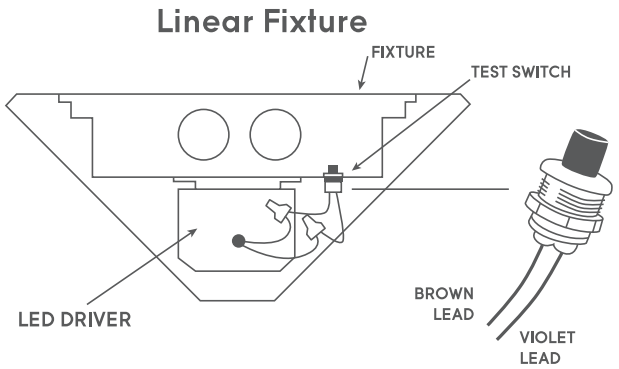
Illustration 1



Linear Fixture

1. Select a convenient location on the fixture so the TEST SWITCH can be seen after installation.
2. Allow for proper clearance inside the fixture and drill or punch a ½ hole.
3. Remove the nut from the TEST SWITCH. Push the TEST SWITCH housing into the ½ hole and secure with the nut.
4. Connect the LED wires from the unit to the TEST SWITCH according to the wiring diagram.

Illustration 2



NOTE: To ensure proper operation, use only the test accessories provided with the unit.

03 / OPERATION

Normal Mode

A.C. power is present. The A.C. driver operates the LED load as intended. The driver is in the standby charging mode. The TEST SWITCH will be lit providing a visual indication that the battery is being charged.

Emergency Mode

A.C. power fails. The driver senses the A.C. power failure and automatically switched to the Emergency Mode. One or multiple LEDs are illuminated for a minimum of 90 minutes. When the A.C. power is restored, the driver switches the system back to the Normal Mode and resumes battery charging.

04 / TESTING & MAINTENANCE

Pressing the TEST SWITCH turns off the light and forces the unit into emergency mode, interrupting power to the designated A.C. driver. The LED load is now being lit by the unit. After releasing the TEST SWITCH, the fixture returns to normal operation after a momentary delay. To simulate a "BLACK OUT" use the circuit breaker to turn off A.C. power.

Initial Testing

Allow the unit to charge approximately 1 hour, then conduct a short discharge test. Allow a 24 hour charge before conducting a one hour test. The driver is a maintenance free unit, however, periodic inspection and testing is required.

Monthly

Ensure that the TEST SWITCH light is illuminated. Conduct a 30 second discharge test by depressing the TEST SWITCH. At least one LED should operate at reduced output.

Annually

Ensure that the Charge Indicator is illuminated conduct a full 90 minute discharge test. The unit should operate as intended for the duration of the test.

NOTE: SERVICING SHOULD BE PERFORMED BY QUALIFIED PERSONNEL.

05 / WARRANTY

LeonLite warrants that this product is free from defects in materials and workmanship for a period of 2 years from the day of purchase. If the product has been misused, damaged by accident or in any other way of improper use, this warranty becomes void.

LeonLite