

Installation Instructions

IMPORTANT SAFEGUARDS ITEMS G-48410 AND G-48411

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



Read and follow all safety instructions:

IMPORTANT: Before installing, make certain the AC Power to the fixture is off to avoid electric shock.

IMPORTANT: An un-switched AC power source of 100~347VAC is required.

IMPORTANT: Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.

IMPORTANT: Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.

IMPORTANT: Customers are advised to charge emergency LED drivers 24 hours every 6 months during storage, and which could be stocked for 1 year at most. If customers don't install and recharge for more than 1 year, the batteries may be damaged. This is not covered in the warranty, and we would charge for replacement.

IMPORTANT: Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility test before using and final installation.

CAUTION: Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.

Proper grounding is required for safety.

CAUTION: RISK OF SHOCK – DISCONNECT EMERGENCY AND NORMAL INPUT POWER SOURCES BEFORE SERVICING.

CAUTION: 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.

CAUTION: 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.

CAUTION: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. CAUTION: Do not handle energized fixture when hands are wet, when standing on wet or damp surfaces, or in water. CAUTION: The electrical rating of this product is 100-347V AC. Installer must confirm that there is 100-347Vac to the fixture before installation. CAUTION: This is a sealed unit. Components are not replaceable. Replace the entire LED Emergency Backup unit when necessary.

CAUTION: Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.

Suitable for use in damp locations and dry locations where the ambient temperature is 0°C minimum, +50°C maximum. Not for use in heated air outlets or hazardous locations.

Do not use outdoors.

Do not let power supply cords touch hot surfaces.

Do not mount near gas or electric heaters.

Do not use this equipment for other than its intended use.

The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition. Use with grounded, UL Listed, dry or damp location rated fixtures.

IMPORTANT: Indicator (LED light) illuminated indicates battery in charge mode when AC power is applied. It is recommended and required by applicable code to test emergency function to ensure proper operation of the system; push the test switch for thirty (30) seconds every 30 days to ensure the emergency driver is functioning as LED light source illuminated. Conduct a ninety minute (90) discharge test one time (1) per year; LED light source should be illuminated for a minimum of ninety minutes (90).

IMPORTANT: Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility before final installation.

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AC Operation: AC power is present. The AC driver operates the LED load as designed. The emergency driver is charging in a standby mode. The charging indicator will be lit, showing that the battery 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 indicator light on indicates that it is discharging. The LED Module is illuminated, at reduced output, for a minimum of 90 minutes. When the AC power is restored, emergency driver switches the system back to AC Mode and resumes battery charging.



AC Power ON



Charging



Full-Charged



AC Power Off



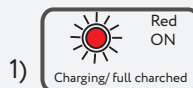
Discharging



Emergency Mode

Indicator Light Introduction

- 1) Red/ON: Charging or charging full
- 2) Red/OFF: Discharging or AC Power is off



Test Switch Introduction

Press the test switch to confirm whether emergency function is normal



Press the test switch
Red indicator light turns off
Emergency function is normal

MODEL: G-48410 G-48411

Input Voltage: 100-347Vac, 50/60Hz
Input Current: ≤ 100mA
Input Power: 7W Max.
Output Voltage: 50-150V DC
Input Current: ≤ 100mA
Recharge Time: ≥ 24 hours

Output Power: 15W/30W
Ambient Temperature: 0°C ~ 50°C (32°F ~ 122°F)
Application: ≤ 15W LED luminaire for G-48410
 ≤ 30W LED luminaire for G-48411
Max. Mounting Height: 18.2ft
Emergency Time: ≥ 90 minutes

PRODUCT INCLUDES THE FOLLOWING COMPONENTS:

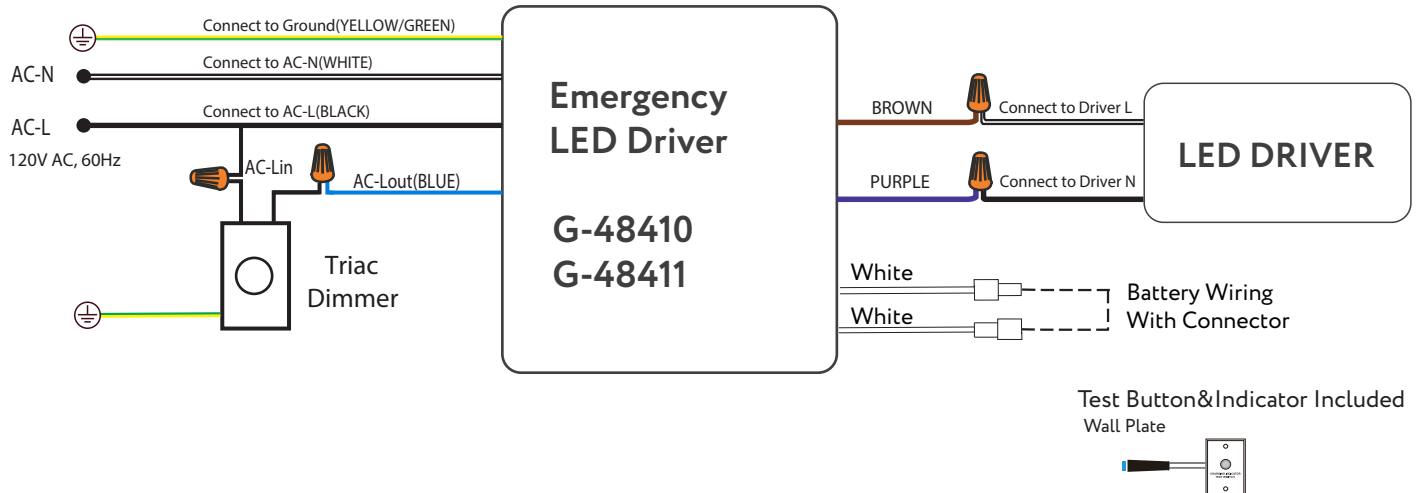
LED Emergency Driver	1
Charging Indicator/Testing Button	1
Charging Indicator/Testing Button Wall Cover	1
Instruction Sheet	1

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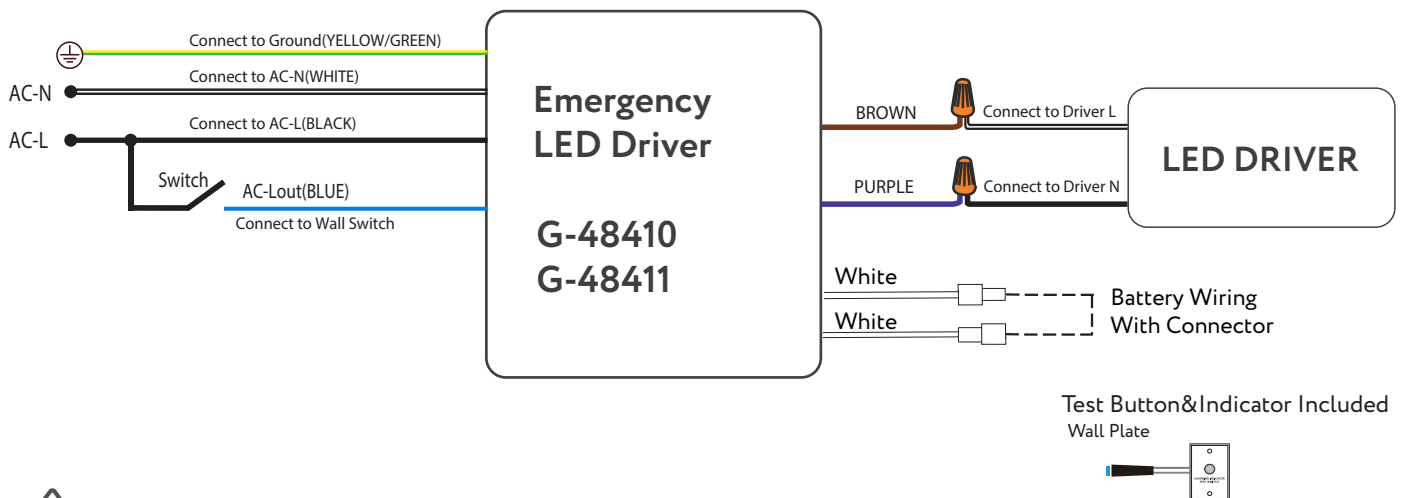
WIRING DIAGRAM 1: With Triac Dimmer

*LED Driver Input Power Not Greater Than Emergency Output Power



WIRING DIAGRAM 2: With Wall Switch only, without triac dimmer

*LED Driver Input Power Not Greater Than Emergency Output Power



Note:

- 1.DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
- 2.TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.
3. For short-term testing of the emergency function, the battery must be charged for at least one hour.
The emergency driver must be charged for at least 24 hours before conducting a long-term test.

Note:

Verify compatibility before installation