



LED EMERGENCY BACKUP DRIVER

WARNING, CAUTION, SAFETY AND INSTALLATION INSTRUCTIONS

WARNING

- Installation, service, and maintenance of emergency drivers and luminaries should be performed by a qualified licensed electrician.
- Please read and follow all safety instructions.
- AC power must be off before proceeding with assembly or installation of emergency driver.
- Do not use this equipment for other than its intended use.
- To reduce the risk of electric shock, disconnect both normal and emergency sources within this unit before servicing any equipment connected to this unit.
- Servicing of this equipment should be performed by qualified personnel only.

CAUTION

- Make sure all connections are in accordance with the National Electrical Code and all local codes.
- An unswitched AC power source is required (100-347 VAC, 50/60 Hz).
- For PLT-12684 (PLTBVLV111), it is suggested to use an LED fixture less than 150W (when dimming to minimum, the power needs to be less than 25W).
- For PLT-12949 (PLTBVLV211), it is suggested to use an LED fixture less than 240W (when dimming to minimum, the power needs to be less than 35W).
- For PLT-12685 (PLTBVLV311), it is suggested to use an LED fixture less than 300W.
- Do not mount near gas or electric heaters.
- Do not use this emergency driver with accessory equipment other than what is recommended by the manufacturer. The use of accessory equipment not recommended by the manufacturer may cause unsafe conditions and void the warranty.
- Use with grounded, UL listed, indoor dry, damp, or wet location rated fixtures. The case should also be grounded.
- This product is for use with indoor fixtures only. Do NOT use near heated air handling outlets or hazardous locations.
- **Illuminated Indicator (LED light) means battery is 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. Conduct a ninety-minute (90) discharge test one time (1) per year. The LED light source should be illuminated for a minimum of ninety minutes (90).
- Customers are advised to charge emergency LED driver 24 hours every 6 months during storage.
- The emergency battery requires a minimum charge of one (1) hour before testing the circuit. A full charge requires twenty-four (24) hours.

NOTICE

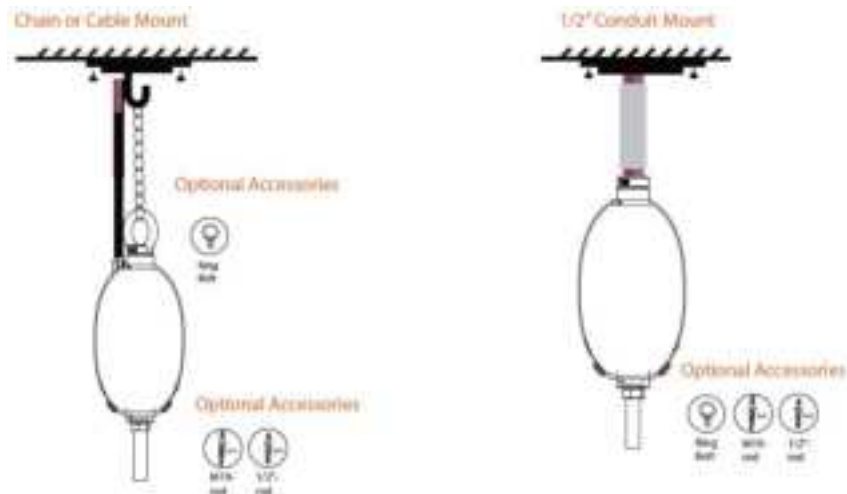
- Battery is a rechargeable Li-ion type and must be recycled or disposed of properly.
- Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- Suitable for use in 41°F -122°F ambient temperatures. Max. mounting height: 48.65ft.



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Mounting Methods



NOTE: PLT-12684 & PLT-12949 use M10-rod. PLT-12685 uses 1/2"-rod. All three use the ring bolt.

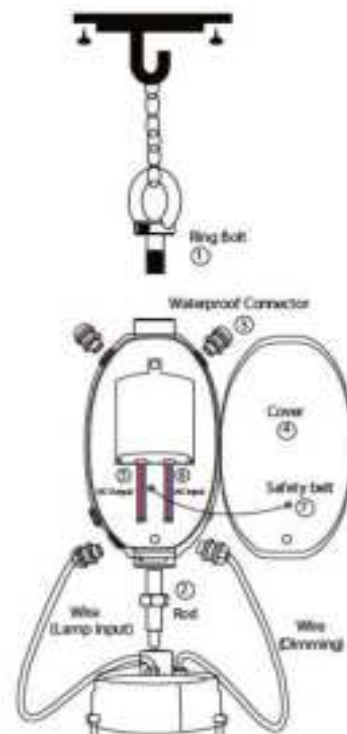
Installation Instructions

Step #1: Notice

- (A) Disconnect all power sources to the lighting fixture and ensure they are locked out during installation and maintenance.
- (B) Select a suitable location on the ceiling for proper mounting of LED emergency driver (battery).

Step #2: Installation for Chain or Cable Mount

- (A) Install the ring bolt to the top threaded hold of the LED emergency driver and secure the ring bolt with the supplied screw.
- (B) Install the M10-rod/1/2"-rod to the bottom thread hole of the LED emergency driver and secure it with the supplied screw.
- (C) Attach the LED emergency driver to the UFO high bay fixture using the accessory from step (B) until a tight and secure fit has been achieved.
- (D) Open the LED emergency cover and remove the plastic covers and install the waterproof connectors (5pcs).





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Step #3: Wiring

Pull all wires through the waterproof connectors and into the cavity of the emergency driver.

- (A) Connect the AC output wires (Brown, Blue, and Green) of the emergency driver with the AC input wires of the LED high bay fixture.
- (B) Connect the dimming output wires (Purple and Pink) of the emergency driver with the dimming input wires of the LED driver.
- (C) Connect AC input wires (Black, White, and Red) of the emergency driver with AC main power cord.
- (D) Connect the input dimming wires (Purple, Pink) of the emergency driver with the dimming wires from the dimmer.
- (E) Close and lock the emergency driver and secure shut using screw.

Make sure all connections have been made in accordance with the manufacturer's installation details.

Step #4: Testing

- After installation is complete, apply AC power.
- At this point, the power should be connected to the fixture driver and the emergency LED driver. The charging indicator light should be illuminated, indicating the LED emergency driver (battery) is charging.
- A short-term discharge test may be conducted after the emergency LED driver has been charging for 1 hour. Charge for 24 hours before conducting a long-term discharge test.

Indicator Light Instruction

Non-remote Version:

Test switch & indicator

- Green ON: Charging mode
- Green OFF: discharging mode

After installation is complete, and AC power is on, click the test switch button to switch the device into emergency mode. This should last 3 seconds, then it will automatically return to its normal working mode of AC power supply.



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Wiring Diagrams

With Dimmer

For UFO LED High Bay ≤ 300W with 0-10V Dimming Function



IMPORTANT

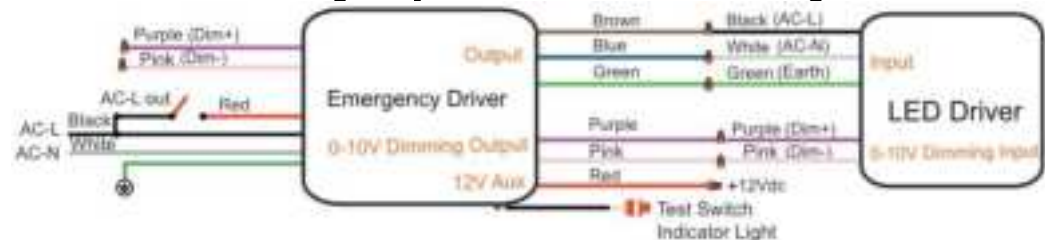
Emergency driver 0-10V dimming wires must be connected to both UFO LED driver dimming wires for EM to function properly. It will not operate if not connected.

RECOMMENDATION:

Emergency Output Power ≥ 20% Input Power of UFO LED High Bay.

With Wall Switch (Without Dimmer)

For UFO LED High Bay ≤ 300W with 0-10V Dimming Function



IMPORTANT

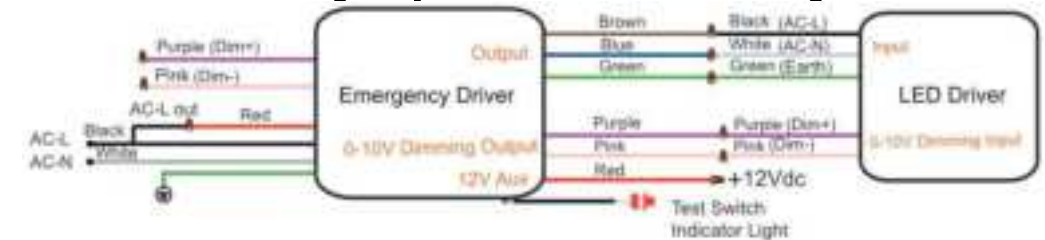
Emergency driver 0-10V dimming wires must be connected to both UFO LED driver dimming wires for EM to function properly. It will not operate if not connected.

RECOMMENDATION:

Emergency Output Power ≥ 20% Input Power of UFO LED High Bay.

Without Wall Switch & Dimmer – 24 Hours Lighting

For UFO LED High Bay ≤ 300W with 0-10V Dimming Function



IMPORTANT

Emergency driver 0-10V dimming wires must be connected to both UFO LED driver dimming wires for EM to function properly. It will not operate if not connected.

RECOMMENDATION:

Emergency Output Power ≥ 20% Input Power of UFO LED High Bay.



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With Sensor (100-277/347V AC)

For UFO LED High Bay ≤ 300W with 0-10V Dimming Function



IMPORTANT

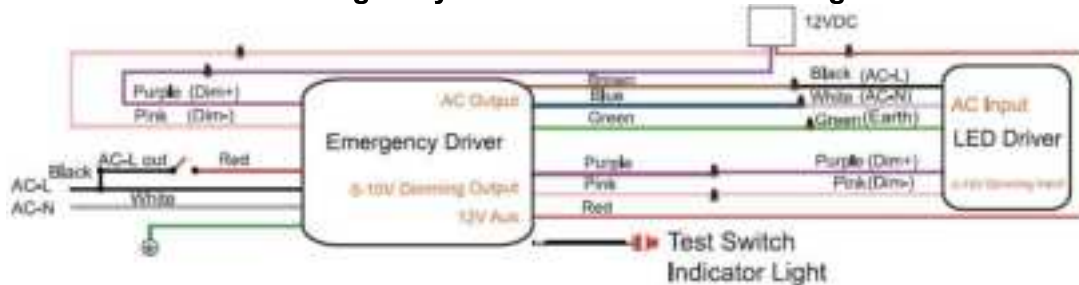
Emergency driver 0-10V dimming wires must be connected to both UFO LED driver dimming wires for EM to function properly. It will not operate if not connected.

RECOMMENDATION:

Emergency Output Power ≥ 20% Input Power of UFO LED High Bay.

With 12VDC Sensor (The current is less than 30mA)

For UFO LED High Bay ≤ 300W with 0-10V Dimming Function



IMPORTANT

Emergency driver 0-10V dimming wires must be connected to both UFO LED driver dimming wires for EM to function properly. It will not operate if not connected.

RECOMMENDATION:

Emergency Output Power ≥ 20% Input Power of UFO LED High Bay.

⚠ WARNING

- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and on the fixture box and all fixture labels.
- Proper grounding is required to ensure safety.
- Power must be turned off at the breaker before installation or maintenance.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Wear gloves and eye protection at all times while installing, servicing, or performing maintenance on the luminaire, and avoid direct eye exposure to the light source while it is on.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.



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- Do not install damaged product. Inspect luminaire for damage that may have occurred during transit. If damaged, contact the manufacturer immediately.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, contact the manufacturer.

⚠ ADVERTENCIA

- Antes de instalar, reparar o realizar el mantenimiento de rutina de este equipo, siga estas precauciones generales.
- Para reducir el riesgo de muerte, lesiones personales o daños a la propiedad por fuego, descarga eléctrica, caída de piezas, cortes / abrasiones y otros peligros, lea todas las advertencias y instrucciones incluidas con y en la caja del dispositivo y todas las etiquetas del dispositivo.
- Se requiere una conexión a tierra adecuada para garantizar la seguridad.
- Se debe apagar la energía en el disyuntor antes de la instalación o el mantenimiento.
- Este producto debe ser instalado de acuerdo con el código de instalación aplicable por una persona familiarizada con la construcción y operación del producto y los peligros involucrados.
- Utilice guantes y protección para los ojos en todo momento durante la instalación, el servicio o el mantenimiento de la luminaria, y evite la exposición directa de los ojos a la fuente de luz mientras está encendida.
- Para evitar daños o abrasiones en el cableado, no exponga el cableado a bordes de láminas de metal u otros objetos afilados.
- No instale un producto dañado. Inspeccione la luminaria en busca de daños que puedan haber ocurrido durante el tránsito. Si está dañado, comuníquese con el fabricante de inmediato.
- Estas instrucciones no pretenden cubrir todos los detalles o variaciones en el equipo ni proporcionar todas las posibles contingencias a cumplir en relación con la instalación, operación o mantenimiento. Si desea obtener más información o si surgen problemas particulares que no están suficientemente cubiertos para los propósitos del comprador o propietario, comuníquese con el fabricante.