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EMERGENCY INVERTER: LED ROUND HIGH BAY 60W

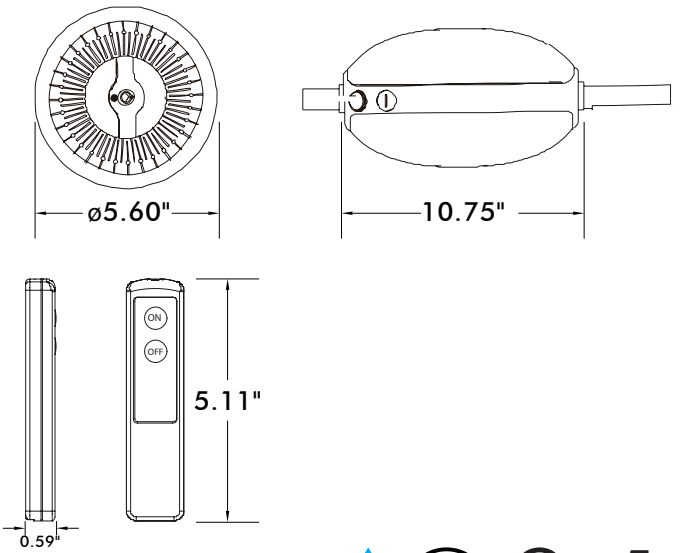
Self Diagnostic

[Sold Separately]

FEATURES

- Input Voltage: 100-347VAC, 50/60Hz
- Output Voltage: DC170V
- IP65 Rated
- 90 Minute Emergency Operating Time
- Lithium-ion Battery
- Integrated junction box
- Multiple Protection:
  - Short-Circuit
  - Over-Voltage
  - Over-Load
  - Open-Circuit
- Remote Control Testing [Sold Separately]
- Self-Diagnostic: Test for 30 minutes monthly and for 90 minutes annually
- RoHS compliant, UL924 Approved, NFPA 101 Life Safety Code
- 5 Year Warranty

DIMENSIONS



IP65 BC c UL us LISTED 5 YEAR WARRANTY

SPECIFICATION

Model No.	**TGS-60W-HB-INT**
Input Voltage	100-347VAC, 50/60Hz
Output Voltage	170VDC
Input Current	≤200mA
Input Power	15W
Output Power	60W
Emergency Runtime	90 Minutes
Charge Time	≥ 24Hours
Application	≤300W (0-10V Dimmable Fixture)
Ambient Temperature	5°F~122°F
Weight	7.28 lb.

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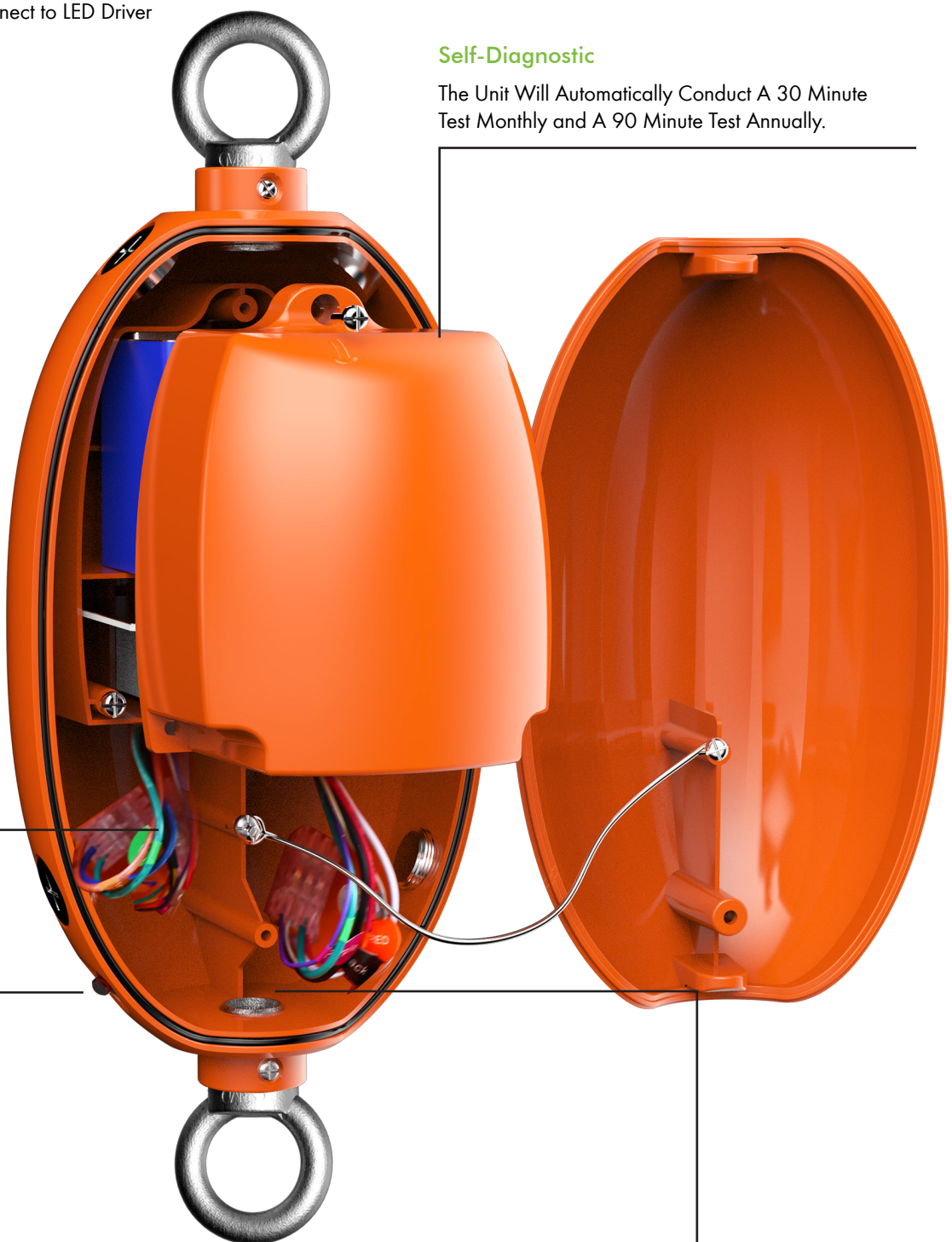
Easy Wiring

Emergency Output Connect to LED Driver AC Input Directly

Self-Diagnostic

The Unit Will Automatically Conduct A 30 Minute Test Monthly and A 90 Minute Test Annually.



Remote Controller [Sold Separately]

Wireless Remote Control For Emergency Testing

Integrated Junction Box

All-In-One Design, No Need For External Junction Box

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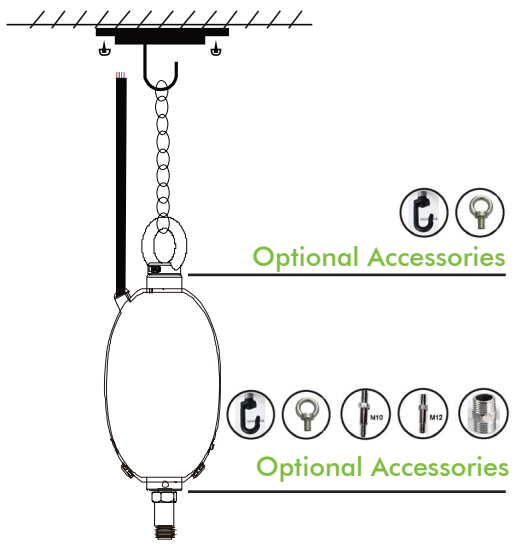
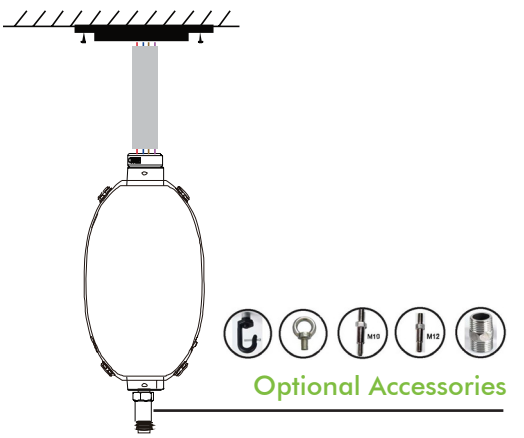
TYPICAL INSTALLATION

Chain or Cable Mount



1/2" Conduit Mount



INDICATOR

Non - Remote Version

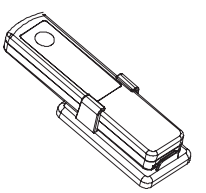
Indicator Status	Emergency Working Status
Red	Charging Mode
Red OFF	Discharging Mode

Note: AC power on, click the test switch, switch to emergency mode and lasts 3 seconds, then automatically back to the working mode of AC power supply.

Remote Version

ON — Press the ON button to test emergency function. This light will switch to its emergency lighting mode and the indicator light will turn off.

OFF — Press the OFF button, the light will revert to normal lighting mode.
When main power supply is OFF [Emergency Mode], press the OFF button to turn off emergency function.



[Sold Separately]

Indicator Status	Emergency Working Status
Red	Charging Mode
Red OFF	Discharging Mode

Note: Point the remote controller at about 45° at the indicator light on the EM to send receive/command. Remote needs two AAA batteries to operate [Not Included].

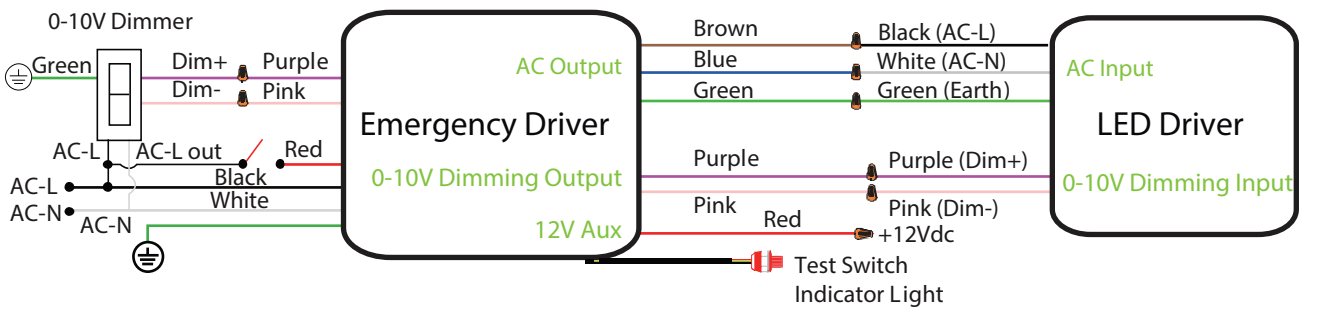
EMERGENCY INVERTER: LED ROUND HIGH BAY 60W

WIRING DIAGRAM

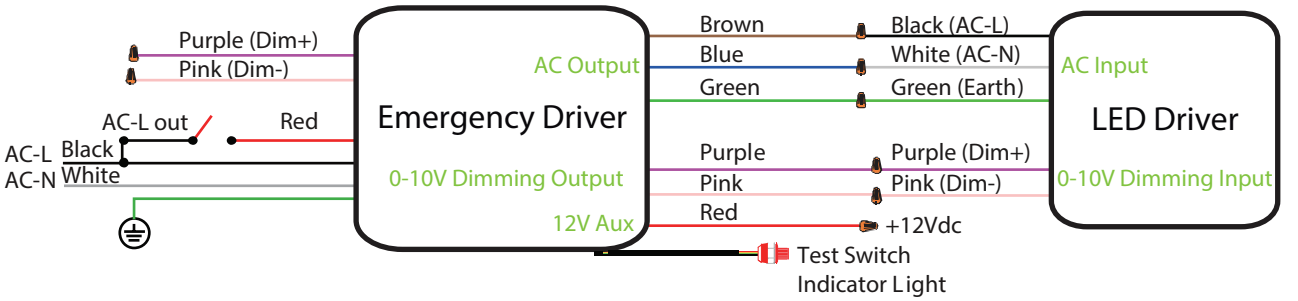
IMPORTANT:
0-10V dimming wires of the emergency inverter must be connected to the dimming wires of the LED round high bay driver, for the emergency inverter to function properly.

RECOMMEDATION:
Emergency Output Power ≥20%

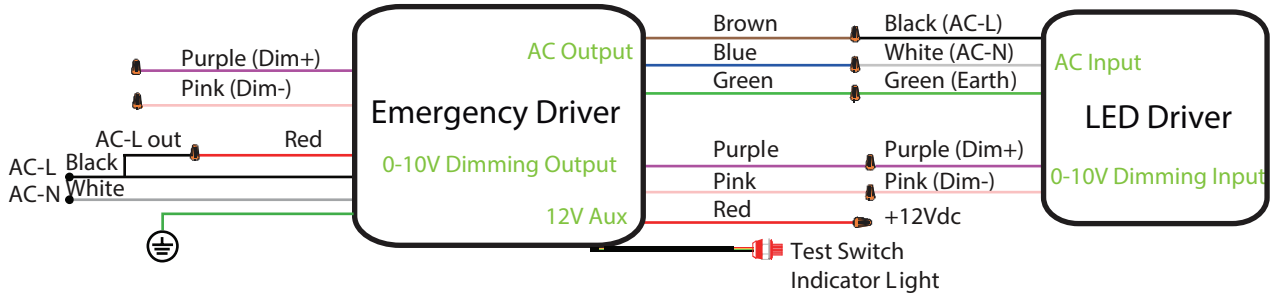
0-10V Dimmer



Wall Switch



24 Hours Lighting



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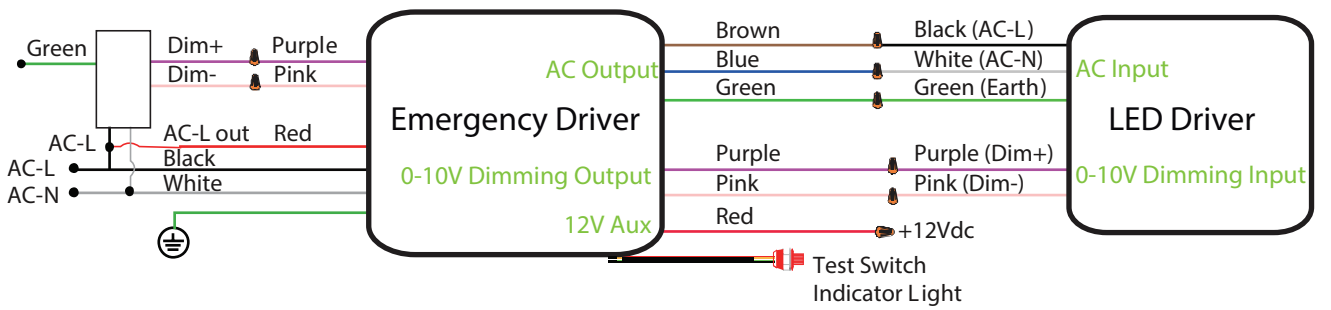
WIRING DIAGRAM (Cont.)

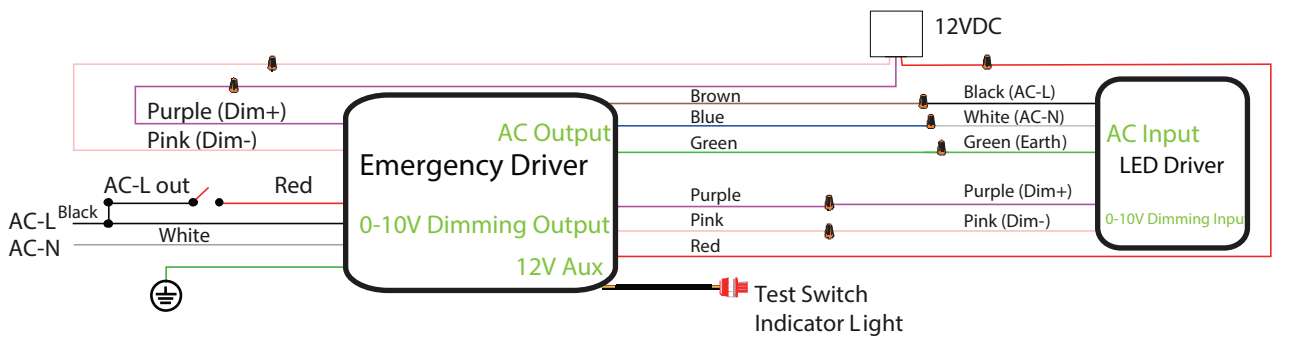
IMPORTANT:
0-10V dimming wires of the emergency inverter must be connected to the dimming wires of the LED round high bay driver, for the emergency inverter to function properly.

RECOMMEDATION:
Emergency Output Power ≥20%

With Sensor [100-277/347VAC]



With 12VDC Sensor [Current is Less than 30mA]



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INSTALLATION GUIDELINE (Cont.)

Step One:

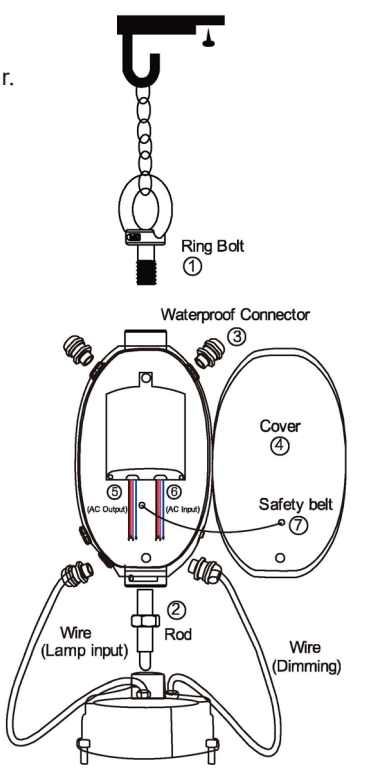
- Disconnect AC power from fixture.
- Disconnect all power source to the lighting fixture and ensure they are locked out during installation or maintenance.
- The AC driver must be sourced from the emergency inverter.
- Select a suitable location for the backup inverter and install such that its output leads can connect to input of the AC driver.

Step Two:

- Select a suitable location on the ceiling for hangable device.
- Install the hook to the emergency inverters and fix it with screw.
- Install the ring bolt to the emergency inverters and fix it with screw.
- Install the M10 Rod/M12 Rod to the bottom of emergency inverter and fix it with screw.
- Install the Rod to the bottom thread hole of the emergency inventer and fix it with a screw.
- Install the emergency inverter to the lighting fixture with screw. Open the emergency inverter cover and remove the plastic covers and install the waterproof connectors.
- Pull all wires through the waterproof connectors into the cavity of the emergency inverter. Connect the wiring with orange wiring caps and make sure all connections are in accordance with manufactures installation instructions.
- Secure the junction box cover by screwing it in place.
- Hang the emergency inverter to hangable device on the ceiling.
- See instruction manual for typical installation and select appropriate mounting method.

Step Three:

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



IMPORTANT SAFE GUARDS

When using electrical equipment and this lighting device basic safety precaution should be followed at all times including but not limited to the following:

PLEASE READ AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

WARNING: AC power must be off before proceeding with assembly or installation of emergency inverter.

IMPORTANT: An un-switched AC power source of 100Vac to 347Vac is required. This device is designed for use is fixture listed dry, damp, and wet locations.

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

CAUTION: Do not let power supply cords touch hot surfaces.

CAUTION: Do not mount near gas or electric heaters.

CAUTION: Use with grounded, UL Listed, dry or damp or wet location rated fixtures.

CAUTION: The equipment is intended for ordinary location and for permanent installation into one or more listed emergency luminaires.

CAUTION: Customers are advised to charge the emergency inverter power supply at least every six months to prevent battery overdischarge.

CAUTION: The TGS-30W-HB-INT suggest to use for LED lamp less than 200W (When dimming to minimum, the power needs to be less that 25W). For TGS-40W-HB-INT suggested to use for LED lamp less than 300W (When dimming to minimum, the power needs to be less than 35W.)

CAUTION: Battery is rechargeable Li-ion type and must be recycled or disposed of properly. Do not use this emergency driver with accessory equipment other than recommended by manufacturer; failure to follow this may cause an unsafe condition. Servicing should only be performed by qualified service personnel. Do not use this emergency driver for other than intended use. Not suitable for high-risk task area lighting. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

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 inverter to ensure proper function of the system; push the test switch every thirty (30) days to ensure the emergency driver is functioning by illuminating the light source. Conduct a ninety (90) minutes discharge test one (1) time per year; LED light source should be illuminated for a minimum of ninety (90) minutes .

TESTING SYSTEM: The emergency battery requires a charge minimum of one (1) hour before testing the circuit. A full charge requires twenty four hours (24 hours).

SAVE THESE INSTRUCTIONS