

EM Battery Installation Manual — Round Highbay

IMPORTANT SAFEGUARDS

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

PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS

CAUTION RISK OF SHOCK-Disconnect emergency and normal input power sources before servicing.

Assembly and Field Installation Wiring: Warning AC power must be off before proceeding with assembly or installation of emergency driver.

IMPORTANT: An unswitched AC power source is required (100-347 VAC, 50/60 Hz).

This device is designed for fixtures listed for dry, damp or wet locations.

IMPORTANT: Customers are advised to charge emergency LED driver 24 hours every 6 months during storage

IMPORTANT: For 40W EM Battery suggested to use for LED lamp less than 300W (when dimming to minimum the power needs to be less than 35W)

IMPORTANT: Make sure all connections are in accordance with the National Electrical Code or Canadian Electrical Code and any local regulations.

CAUTION: To reduce the risk of electric shock disconnect both normal and emergency sources within this unit before servicing any equipment connected to this unit.

CAUTION: Do not mount near gas or electric heaters

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

CAUTION: The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

CAUTION: Do not use this equipment for other than its intended use

CAUTION: Use with grounded, UL Listed, dry or damp location rated fixtures. Case should also be grounded.

CAUTION: This product is for use in indoor fixtures only. Do NOT use near heated air handling outlets or hazardous locations

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 the manufacturer.

Failure to follow this may cause an unsafe condition and will void warranty.

Servicing of this equipment should be performed by qualified personnel only.

IMPORTANT: 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; press the remote controller ON button every 30 days to

ensure the emergency driver is functioning and LED light source is 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).

TESTING SYSTEM: The emergency battery requires a minimum charge of one (1) hour before testing the circuit.

A full charge requires twenty four (24) hours.

FEATURES

- Simple wiring: directly connect to LED driver AC input
- Constant power output 340W
- Universal input range, 100-347VAC, 50/60HZ
- High output voltage DC 170V
- Optimized design for Current LED highbay, private mold patent design
- Built-in integrated junction box
- Protection: over-voltage, short circuit, over-load, open-circuit
- Wireless remote control or non-remote control for emergency test are optional
- UL Listed for field factory installation
- Comply with UL924 standard and CSA 22.2, No. 141 for USA and Canada.
- California Energy Commission (CEC) Title 20 with BC compliant



THIS PRODUCT CONTAINS A RECHARGEABLE LITHIUM BATTERY. THE BATTERY MUST BE RECYCLED OR DISPOSED OFF PROPERLY.

Specifications

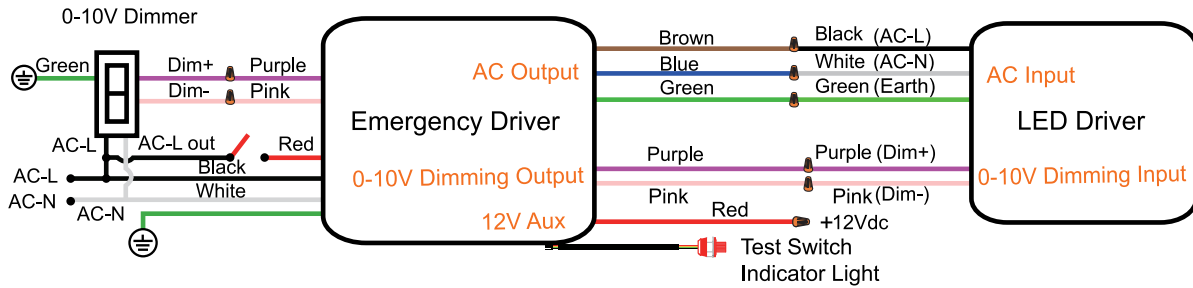
Input Voltage	100-347VAC 50/60 Hz	Test switch/charging indicator light	<input type="checkbox"/> Remote Control <input type="checkbox"/> Non-Remote Control
Output Voltage	170V DC	Battery	Li-ion battery
Input Current	≥ 200mA	Charging Time	≥ 24 hours
Input Power	15W	Output Power	<input type="checkbox"/> 40W
Emergency Time	90 minutes	Weight	3.3 kg
Warranty	5 Years	Dimensions	273.26 x Ø 142.3mm
Ambient Temp.	5°C-50°C		

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WIRING DIAGRAMS

1 With Dimmer

For LED Highbay ≤300W and has 0-10V dimming

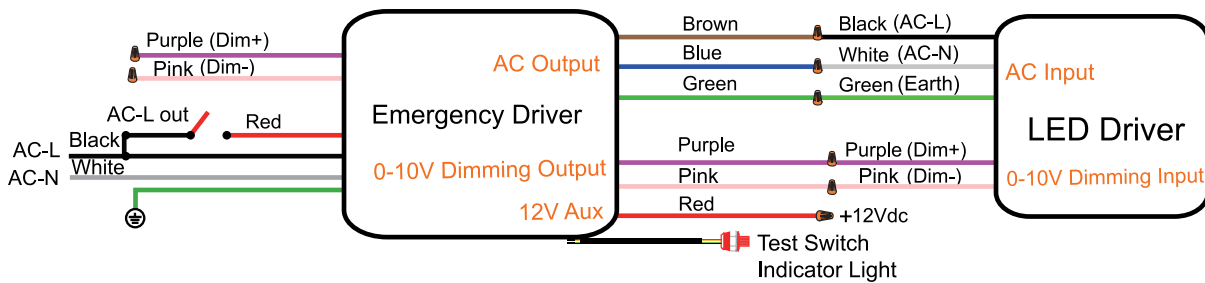


IMPORTANT
Dimming wires must be connected to LED Driver dimming wires for EM to function properly. WILL NOT operate if not connected

RECOMMENDATION
Emergency output power ≥ 20% Output power of LED High Bay

2 With Wall Switch (Without Dimmer)

For LED Highbay ≤300W and has 0-10V dimming



IMPORTANT
Dimming wires must be connected to LED Driver dimming wires for EM to function properly. WILL NOT operate if not connected

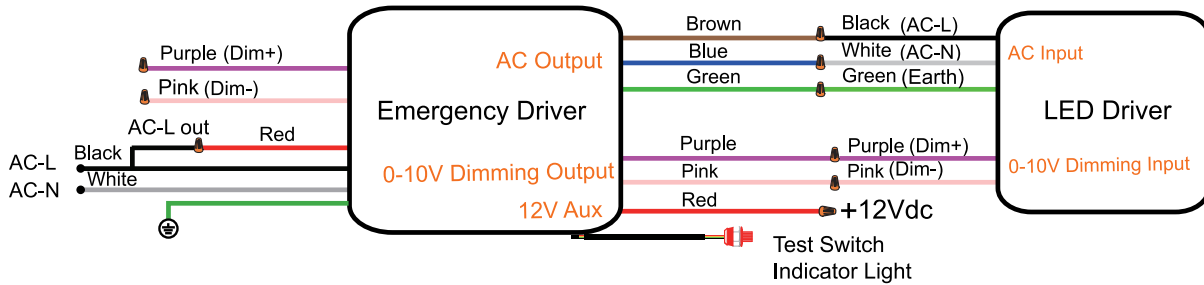
RECOMMENDATION
Emergency output power ≥ 20% Output power of LED High Bay

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WIRING DIAGRAMS

3 Without Wall Switch & Dimmer, 24 hour lighting

For LED Highbay ≤ 300W and has 0-10V dimming



IMPORTANT

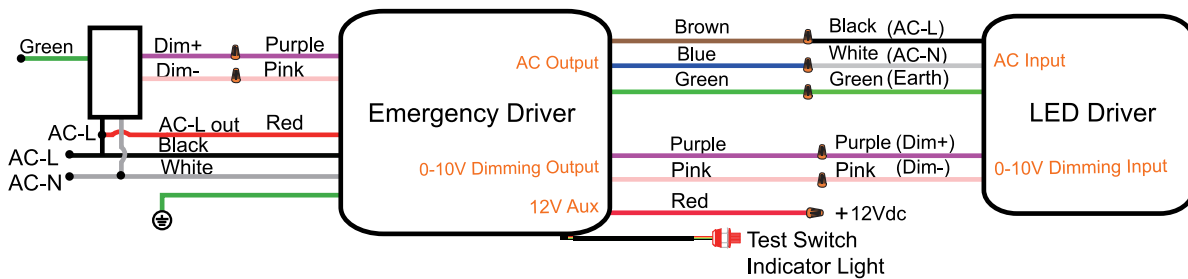
Dimming wires must be connected to LED Driver dimming wires for EM to function properly. WILL NOT operate if not connected

RECOMMENDATION

Emergency output power ≥ 20% Output power of LED High Bay

4 With Sensor (100-277/347VAC)

For LED Highbay ≤ 300W and has 0-10V dimming



IMPORTANT

Dimming wires must be connected to LED Driver dimming wires for EM to function properly. WILL NOT operate if not connected

RECOMMENDATION

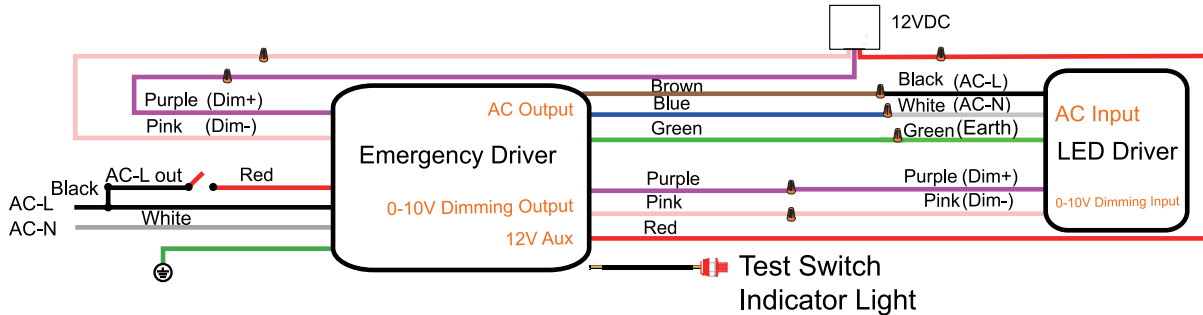
Emergency output power ≥ 20% Output power of LED High Bay

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WIRING DIAGRAMS

5 With 12VDC Sensor

For LED Highbay ≤ 300W and has 0-10V dimming



IMPORTANT

Dimming wires must be connected to LED Driver dimming wires for EM to function properly. WILL NOT operate if not connected

RECOMMENDATION

Emergency output power ≥ 20% Output power of LED High Bay

INSTALLATION

Step 1

Disconnect all power sources to the lighting fixture and ensure they are locked out during installation and maintenance. The LED driver must be sourced from the LED emergency driver. Select a suitable location on the ceiling with hangable device.

Step 2

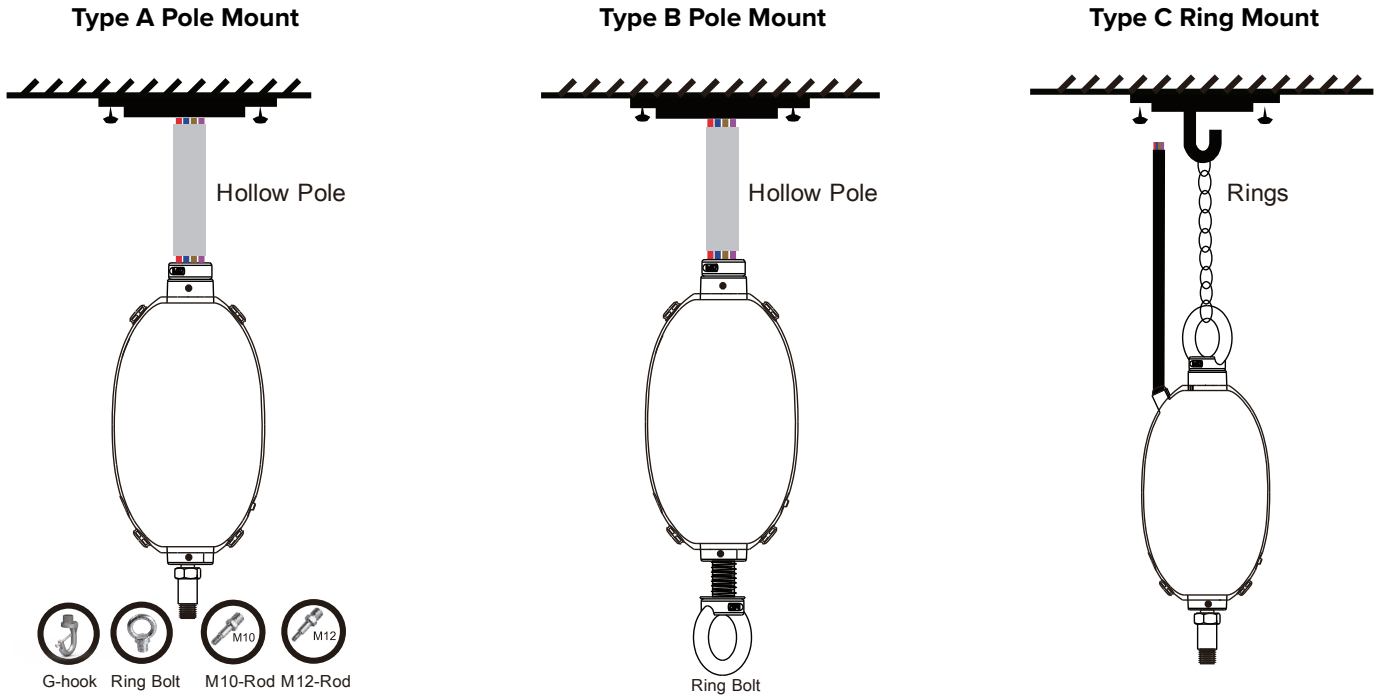
- (A): Install the ring bolt to the top thread hole of LED emergency driver and fix it with a screw.
 - (B1): Install the G-hook/ring bolt/m-10-rod/m 12-rod to the bottom thread hold of LED emergency driver and fix it with a screw.
 - (B2): Install the Rod to the bottom thread hole of LED emergency driver and fix it with a screw.
 - (C): Install the LED emergency driver to highbay fixture with a screw.
- Open the LED emergency cover and remove the plastic covers and install the waterproof connectors.

Step 3

- Pull all wires through the waterproof connectors into the cavity of the emergency driver
- (A): Connect the AC output wires (Brown, Blue and Green) of emergency driver with AC input wires of LED lighting fixture
 - (B): Connect the dimming output wires (Purple and Pink) of emergency driver with the dimming input wires of 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, Grey) of emergency driver with dimming wires from dimmer.
- Make sure all connections are with orange wiring caps in accordance with manufacture's installation manual. Lock up the cover of the junction box.

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MOUNTING DIAGRAMS



See instruction manual for typical installation and select appropriate mounting method.

DIMENSIONS

