
Alphalite Inc.
Remote control reception
EMERGENCY LED DRIVER

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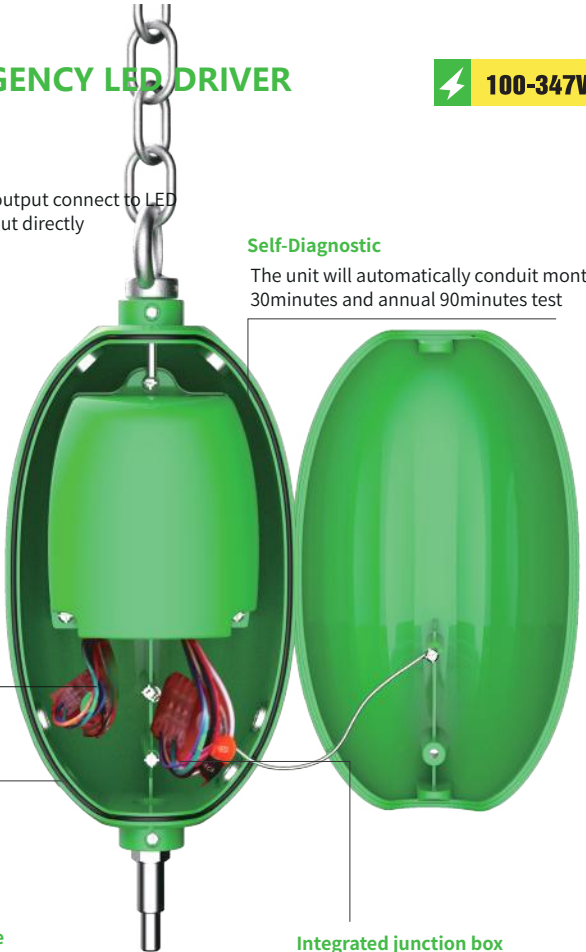
100-347Vac

Easy wiring
Emergency output connect to LED driver AC input directly

Self-Diagnostic
The unit will automatically conduit monthly 30minutes and annual 90minutes test



Easy remote
Wireless remote control for emergency test

Integrated junction box
All in one design, no need extra external junction box

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Features

- Simple wiring:directly connect to LED driver AC input
- Constant power output 30W
- Universal input range:100-347Vac, 50/60Hz
- High output voltage DC 170V
- Optimized design for UFO highbay fixture
- Protection:over-voltage,short-circuit,over-load,open-circuit
- Wireless remote control or non-remote control for emergency test are optional

Model No

Model NO	Input Voltage	Emergency power	Emergency Time
EM-RM30W-GN	100-347V AC	30W	90Minutes

Specifications

Input Voltage	100-347V AC 50/60Hz	Test switch/charging indicator light	☐ Remote Control
Output Voltage	170V DC	Battery	Li-ion battery
Input Current	⩽200mA	Charging time	⩾24hours
Input Power	15W	Output power	☐ 30W
Emergency Time	90minutes		
Warranty	5Years	Weight	3.3kg
Ambient Temp	0℃-50℃	Dimensions	239.8x Φ142.3mm

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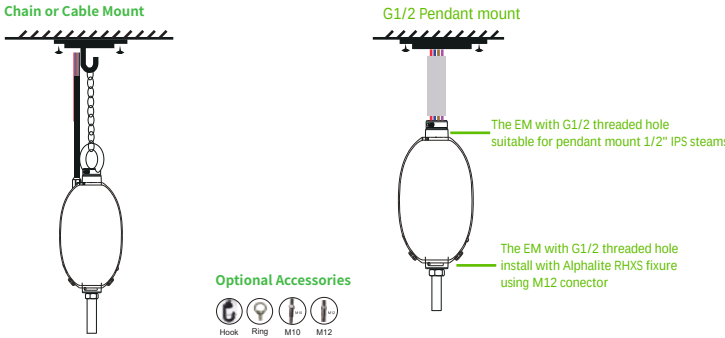
Typical Installations



Remarks: Standard order with Ring (G1/2 threaded) and M12 (M12 change to G1/2) connector accessories.

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

Installation Steps

Step#1

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

Step#2

INSTALL THE BACKUP NANO INVERTER AND WIRING

- Select a suitable location on the ceiling for hangable device.
- Install the hook to backup nano inverter and fix it with screw.
- Install the ring bolt to the backup nano inverter and fix it with screw.
- Install the backup nano inverter to the lighting fixture with screw.open the backup nano inverter cover the plastic connectors and install the waterproof connectors.
- Put the wires through the waterproof connector into the inside of emergency driver. connect the wiring by orange wiring caps and make sure all connections are in accordance with manufactures installation manual.

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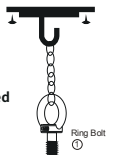
- Fix the junction box cover by screw.
- Hang the backup nano inverter to the hangable device on the ceiling.
- See instruction manual . for typical installation and select appropriate mounting method.

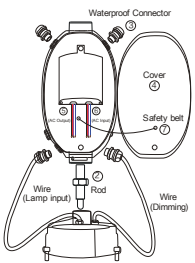
NOTE: Bushings are not installed on the backup nano inverter at the factory but packed in the kits bag.



Step#3

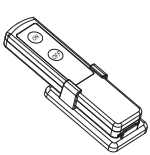
LOCK UP THE COVER OF JUCTIQN BOX & APPLY POWER

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



Instructinons For Remote Control

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.

Test Switch & indicator

Red:charging mode
Red off:discharging mode

Note:Remote must be pointed at the indicator light and be with in a 45 degree angled to receive a signal/command remote needs two AAA batteries to operate (not included)

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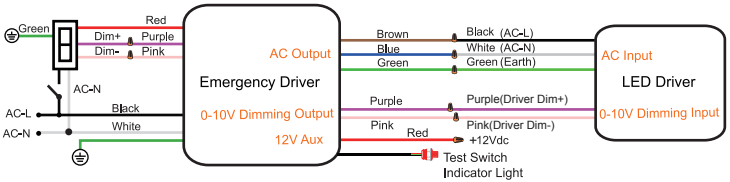
1 With AC Dimmer or sensor and wall switch

For UFO LED Highbay≤300W and have 0-10V dimming function



IMPORTANT

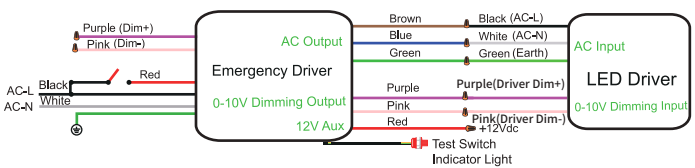
Diming wires must be connected to UFO LED driver dimming wires for EM to function properly. will NOT operate if not connected

RECOMMENDATION:

Emergency Output power≥20% Output power of UFO LED high bay

2 With Wall Switch (Without Dimmer)

For UFO LED Highbay≤300W and have 0-10V dimming function



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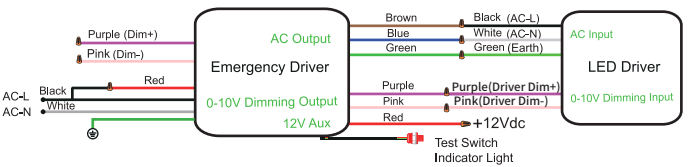
3 Without Wall Switch & Dimmer, 24hours lighting

For UFO LED Highbay≤300W and have 0-10V dimming function



IMPORTANT

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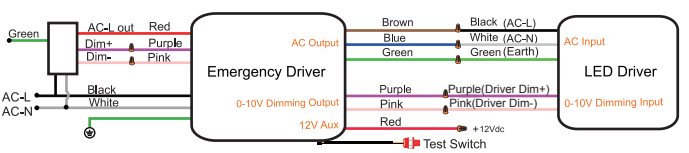
Emergency output power≥20% output power of UFO LED high bay

4 With AC Sensor or dimmer (Without wall switch)

For UFO LED Highbay≤300W and have 0-10V dimming function



IMPORTANT

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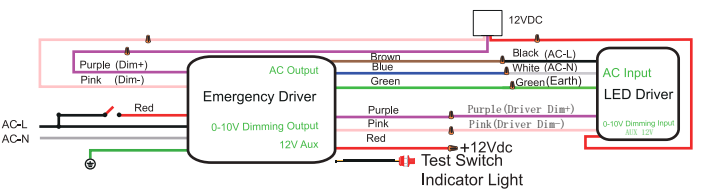
RECOMMENDATION:

Emergency Output power≥20% Output power of UFO LED high bay

5 With DC Sensor and wall switch (Alphalite sensor MMS-DC4T)

For UFO LED Highbay≤300W and have 0-10V dimming function



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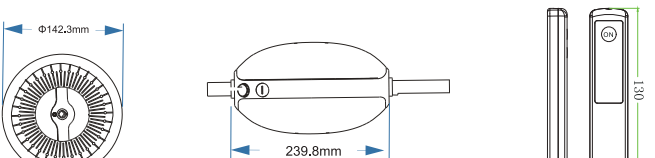
Emergency Output power≥20% Output power of UFO LED high bay

Product size



IMPORTANT SAFEGUARDS

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

PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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

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

CAUTION: Make sure all electrical connections conform to the National Electrical Code 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 locations and for permanent installation into one or more Listed emergency luminaires.

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

CAUTION: suggested to use for LED lamp less than 200W(When dimming to minimum, the power needs to be less than 25W) .

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 LED Driver to ensure proper function of the system; push the test switch every thirty (30) days lo 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 illiumimated for 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 (24 Hours).