

Remote Control Reception

# EMERGENCY LED DRIVER

## 30W/40W/60W

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100-347Vac

### Easy wiring

Emergency output connect to LED  
driver AC input directly

### Self-Diagnostic

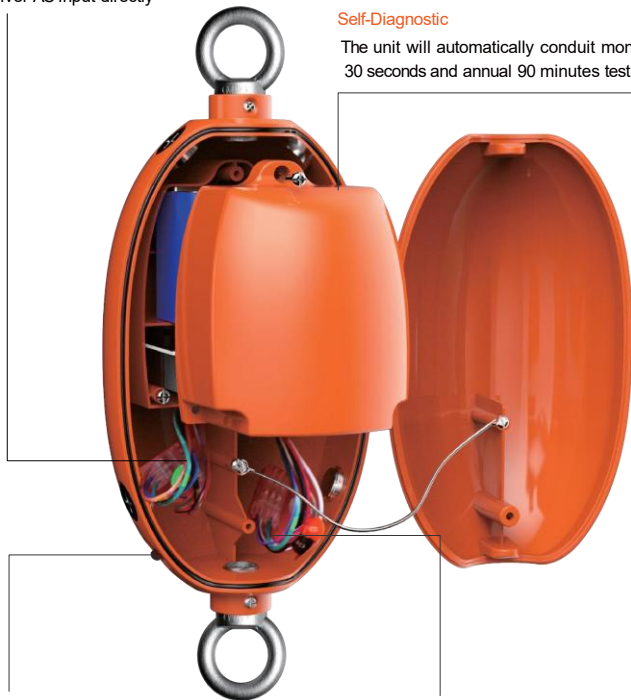
The unit will automatically conduct monthly  
30 seconds and annual 90 minutes test

### Easy remote

Wireless remote control for emergency test

### Integrated junction box

All in one design, no need extra external  
junction box



RoHS

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## Features

- Simple wiring: directly connect to LED driver AC input
- Constant power output 30W/40W/60W
- 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 for emergency test
- UL listed for factory and field installation
- CEC title 20 and US DOE emergency efficiency



## Product Certification



## Model No.

Model NO	Input Voltage	Emergency power	Emergency Time
BLD-RM30X-YYY	100-347V AC	30W	90Minutes
BLD-RM40X-YYY	100-347V AC	40W	90Minutes
BLD-RM60X-YYY	100-347V AC	60W	90Minutes

Remark: "X" can be "R" or "D", "R" stands for remote control, "D" stands for non-remote control.

## Specifications

Input Voltage	100-347V AC 50/60Hz	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	≥24hours
Input Power	15W	Output Power	<input type="checkbox"/> 30W <input type="checkbox"/> 40W <input type="checkbox"/> 60W
Emergency Time	90 minutes	Weight	7.27 lbs
Warranty	5 Years	Dimensions	10.77" x Φ5.6"
Ambient Temp	41 F -122 F		

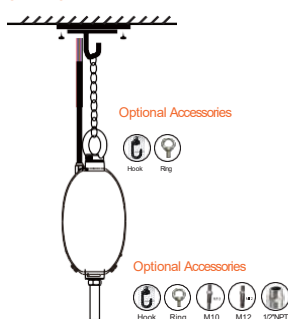
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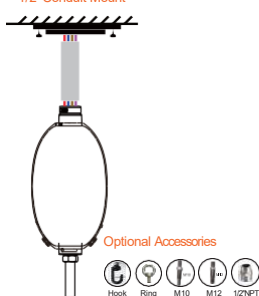
 100-347Vac

## Typical Installations

Chain or Cable Mount



1/2" Conduit Mount



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

## Installation Steps



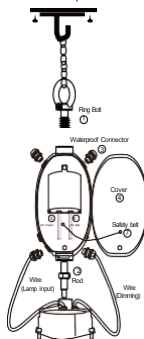
**CAUTION:** Before installing, make certain the AC power is off

### 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

- (A) : Install the ring to top threaded hole of LED emergency driver and secure ring with screw.
- (B) : Install the G-hook/ring bolt/M10-rod/M12-rod to the Bottom thread hole of LED emergency driver and fix it with screw.
- (C) : Install the LED emergency driver to highbay fixture with screw.
- (D) : Open the LED emergency cover and remove the plastic covers and install the waterproof connectors (4pcs).



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## Step#3: Wiring

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

- (A) : Connect the AC output wires (Brown, Blue and Green) of emergency driver with AC input wires of LED highbay fixtures.
- (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 emergency driver with AC main power cord.
- (D) : Connect the input dimming wires (Purple, Pink) of emergency driver with dimming wires from dimmer.
- (E) : Close and lock emergency driver and secure shut using screw.

Make sure all connections are in accordance with manufacturer's installation details.

## Step#4: Testing

- \* After installation is complete, apply AC power.
- \* At this point power should be connected to the fixture driver and the emergency LED driver. 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

Note: AC power on, click the test switch, switch to emergency mode and lasts 3S, the autom back to the working mode of AC power supply

### Remote Control Version

Test Switch & indicator

Red ON: charging mode

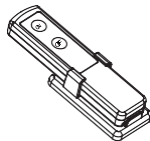
Red OFF: discharging mode



Press the ON button to test emergency function, this light will switch to its emergency lighting mode and the indicator light will turn 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.



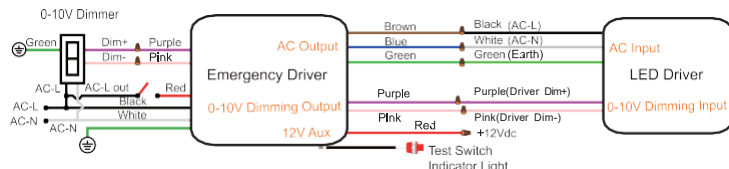
Note: Remote must be pointed at the indicator light and be within a 45 degree angled to receive a signal/command  
remote needs two AAA batteries to operate (not included)

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## 1 With Dimmer



### IMPORTANT

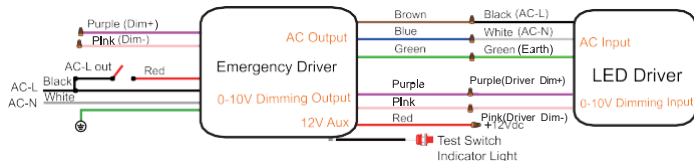
Dimming wires must be connected to UFO LED driver dimming wires for EM to function properly. will NOT operate if not connected

### RECOMMENDATION:

Emergency Output power  $\geq 20\%$  Output power of UFO LED high bay

## 2 With Wall Switch (Without Dimmer)

For UFO LED Highbays  $\leq 300W$  and have 0-10V dimming function



### IMPORTANT

Dimming 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  $\geq 20\%$  output power of UFO LED high bay

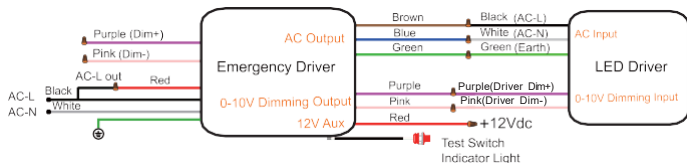
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### 3 Without Wall Switch & Dimmer, 24 hours lighting

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



#### IMPORTANT

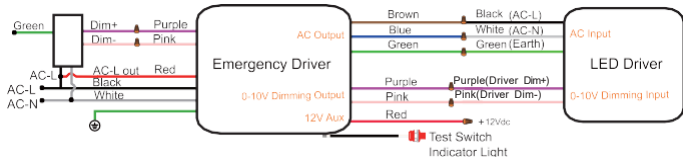
Dimming wires must be connected to UFO LED driver dimming wires for EM to function properly. will NOT operate if not connected

#### RECOMMENDATION:

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

### 4 With Sensor (100-277/347V AC)

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



#### IMPORTANT

Dimming 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

# EMERGENCY LED DRIVER

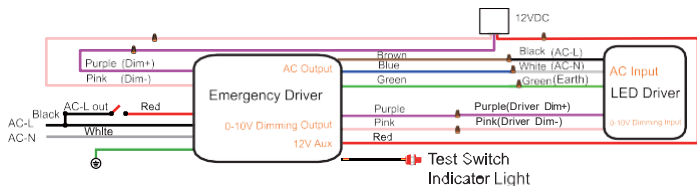
30W/40W/60W



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## 5 With 12V DC Sensor

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



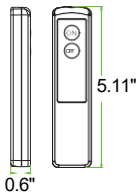
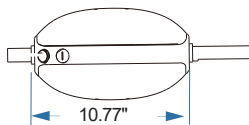
### IMPORTANT

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

## Product size





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## IMPORTANT SAFEGUARDS

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

### 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 BLD-RM30X-YYY suggested to use for LED lamp less than 200W(when dimming to minimum, the power needs to be less than 25W).

For BLD-RM40X-YYY 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.

Suitable for use in 41°F -122°F ambient temperatures

**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.