Date: ..... Location: .....

Product: ..... Project: .....

Quantity: ..... Catalog# .....

Emergency LED Driver Vaux

FEATURES

- Simple wiring: directly connect to AC INPUT of LED driver.
- Constant power output 30W/40W/60W
- Universal input range,100-347Vac,50/60Hz
- High output voltage DC 170V
- Optimized design for UFO highbay fixture,private mold patent design.
- Built-in integrated junction box.
- Protection:over-voltage,short-circuit,over-oad,open-circuit.
- Wireless remote control or non-remote control for emergency test are optional.
- UL Listed for field or 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.

Electric Characteristic

Model NO	Input Voltage	Input Current	Input Power Rating	Time Recharge	Output Voltage	Emergency Power	Discharge Time	Ambient Temp	Battery
BLD-RM30X-YYY	120-347V/AC	200mA max	15W	≥24H	170Vdc	30W	1.5H	5°C-50°C	Li-ion battery

PRODUCT ORDERING GUIDE

BLD-RM30X-YYY
1 2 3

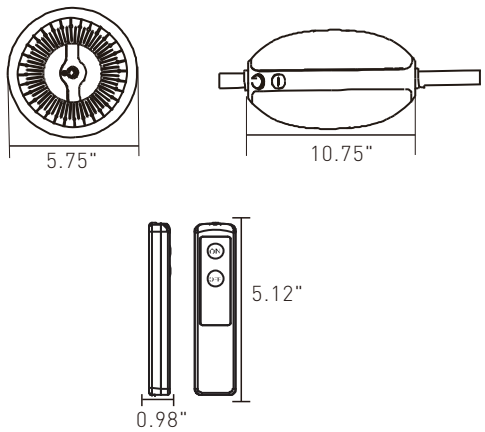
BLD - RM30X - YYY

☑ BLD Company name

☑ RM30X Emergency30W

☑ YYY Maybe any number or letter or blank for sales purpose

DIMENSION



EMERGENCY LED DRIVER

30W 40W 60W

⚠ IMPORTANT SAFEGUARDS

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

PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS

CAUTION: CAUTION: DO NOT JOIN BATTERY CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED TO THE EMERGENCY INVERTER.

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

ASSEMBL Y and FIELD INSTALLATION WIRING: WARNING:AC power must be off before proceeding with assembly or installation ofemergency driver.

IMPORTANT: An unswitched AC power source is required (100-347 VAC, 50/60 Hz).This device is designed for fxtures listed for dry, damp or wet locations.

IMPORTANT: Please charge the battery consistently for >24 hours for the frst time usage so as to activate the whole battery cells of discharging/charging duration.

IMPORTANT: Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility test before using and fnal installation.

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

IMPORTANT: For BLD-RM30X-YYY suggested to use for LED lamp less than 200W(when diming to minimum.the power needs to be less than 25W).

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 emeraency 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 fxtures.Case should also be grounded.

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

Suitable for use in 5°C -50°C ambient temperatures. Max. mounting height: 48.65ft.

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 qualifed 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 iluminated. 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.

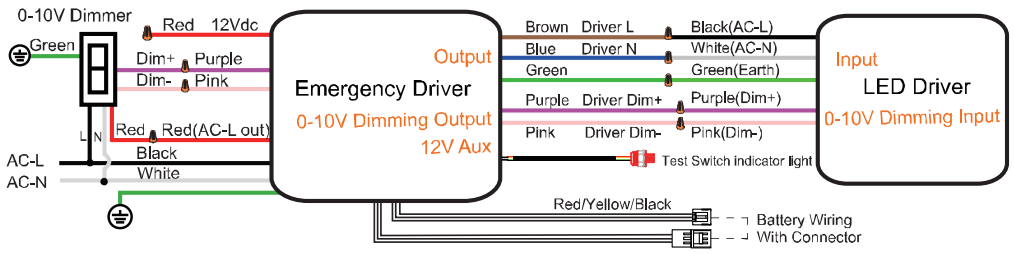
EMERGENCY LED DRIVER

100-347Vac

30W/40W/50W
Wiring Diagram

1 With Dimmer

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



IMPORTANT

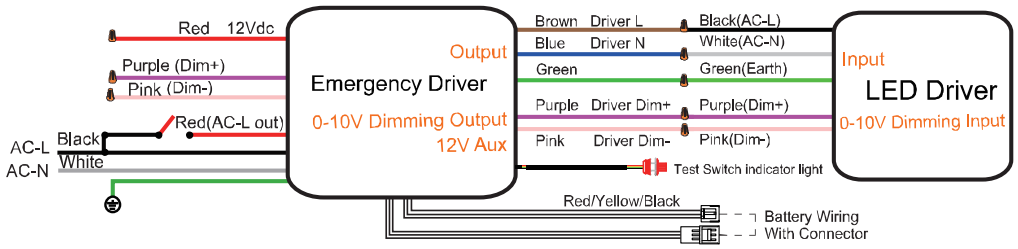
Emergency driver 0-10V dimming wires must be connected to UFO LED driver dimming wires for EM to function properly. will NOT operate if not connected.

RECOMMENDATION:

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

2 With Wall Switch(without Dimmer)

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



IMPORTANT

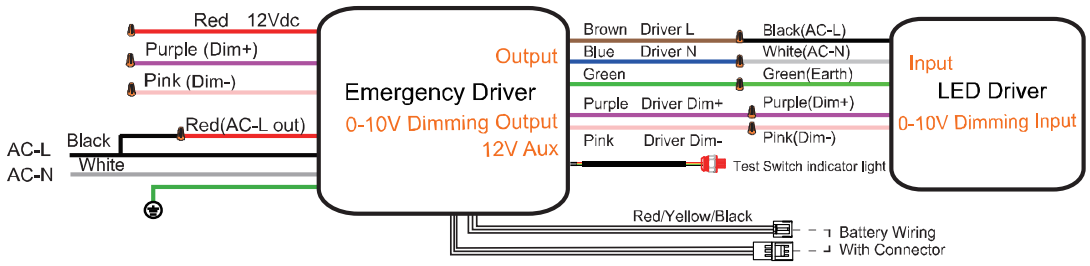
Emergency driver 0-10V dimming wires must be connected to UFO LED driver dimming wires for EM to function properly. will NOT operate if not connected.

RECOMMENDATION:

Emergency Output Power>20% Output Power of UFO LED High Bay

3 Without Wall Switch&Dimmer, 24hours lighting

For UFO LED Highbays300W and have 0-10V dimming function



IMPORTANT

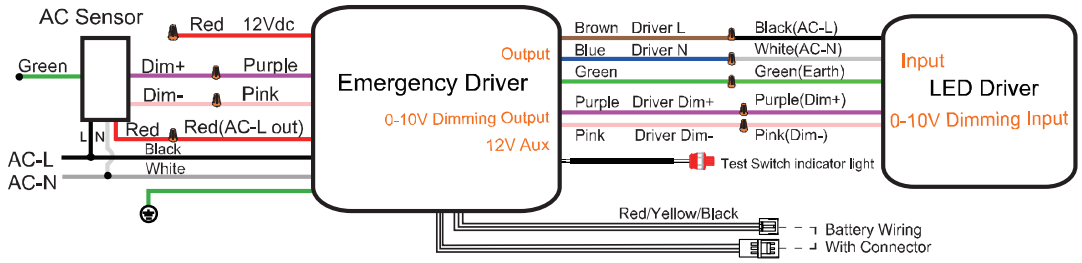
Emergency driver 0-10V dimming wires must be connected to UFO LED driver dimming wires for EM to function properly. will NOT operate if not connected.

RECOMMENDATION:

Emergency Output Power>20% Output Power of UFO LED High Bay

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

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



IMPORTANT

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

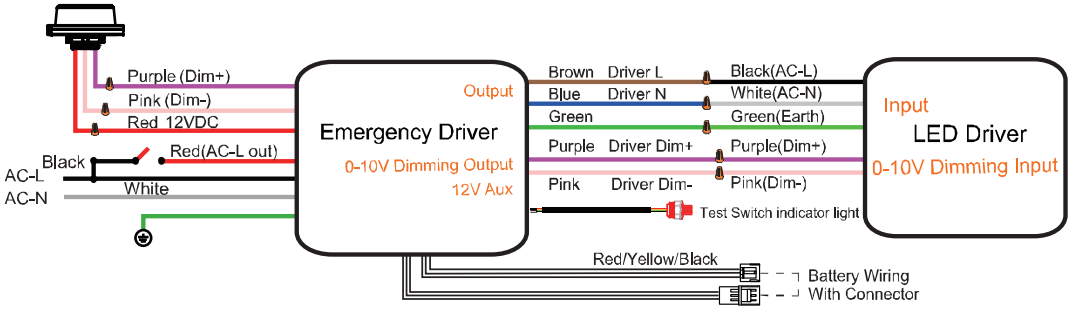
RECOMMENDATION:

Emergency Output Power>20% Output Power of UFO LED High Bay

With Wall Switch(without Dimmer)

(The current is less than 30mA, and 12Vdc sensor must connect to emergency LED driver's 12Vdc wire, can't connect to UFO LED driver's 12Vdc wire.)

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



IMPORTANT

Emergency driver 0-10V 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

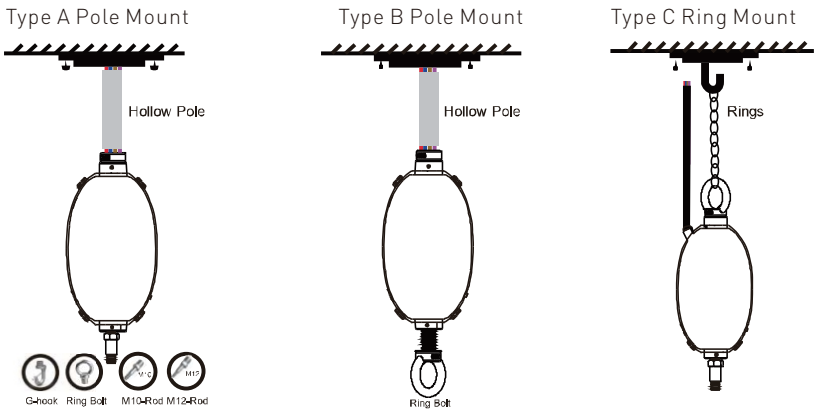
INSTALL STEPS

Step #1
Disconnect all power sources to the lighting fxture and ensure they are locked out during installation andmaintenance.
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 fx it with screw.
(B1) Install the G-hook/Ring bolt/M10-rod/M1 2-rod to the Bottom thread hole of LED emergency driver and fxit with screw.
(B2) Install the Rod to the Bottom thread hole of LED emergency driver and fx it with screw.
(C)Install the LED emergency driver to UFO highbay fxture with 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 emergency driver.
(A): Connect the AC output wires (Brown,Blue and Green) of emergency driver with AC input wires of LEDlighting fxture.
(B): Connect the dimming output wires (Purple and Pink) of emergency driver with the dimming input wiresof LED Driver.
(C): Connect AC input wires (Black,White and Red) ofemergency driver with AC main power cord.
(D): Connect the input dimming wires (Purple,Pink) 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 junction box.
(E): After all the wiring connections,and then connect the battery cable with quick connectors.

Operation instructions

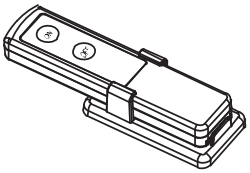


See instruction manual,for typical installation and select appropriate mounting method.

Instructions For Remote Control

ON

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 , then automatically back to the working mode of AC power supply.



Remote version:
Test Switch & Indicator
RED ON: Charging mode
RED OFF: Discharging mode

Remote control
Press the ON button to test emergency function. The light will switch to its emergency lighting and indicator light will turn off. Press the OFF button, the light will recover to normal lighting.
Note: Remote must be pointed at the indicator light and be within a 45 degree angle to receive a signal/command. Remote needs two AAA batteries to operate (not included).