BillDa®
EMERGENCY POWER LEADER

EMERGENCY LED DRIVER
BLD-RMXXW-R/NAC
100-347Vac

IP 65

Remote control reception

30W/40W/60W

EMERGENCY LED DRIVER
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100-347Vac

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HIGH VOLTAGE OUTPUT
175VDC

CONSTANT POWER
EMERGENCY OUTPUT

Self Test

On/off control

Stand-by dimming level

Detection area

Hold time

Daylight sensor

Stand-by period

Remote control setting

10-15M Highbay altitude

c(UL)us LISTED E394915   CE   (BC)   RoHS

The BillDa RMXXW-R/NAC series LED emergency drivers are designed for use with UFO LED high bay fixtures with 0/1-10V dimmable led drivers.It allows the LED UFO high bay to be used for both normal and emergency operation.

EMERGENCY LED DRIVER
BLD-RMXXW-R/NAC

1	Pipe	**5**	Safety Cable	**9**	Outlet
2	Water Proof Rubber Ring	**6**	Test Switch Indicator light	**10**	Connecting Rod
3	Battery	**7**	Junction Box	**11**	UFO LED High bay
4	Cover	**8**	Junction Box	**12**	Remote Control

# EMERGENCY LED DRIVER
BLD-RMXXW-R/NAC

30W/40W/60W

Features

- High output voltage DC175V, directly connect to LED driver AC input and dimming wires, simple wiring.
- Constant power output 30W/40W/60W
- Universal input range, 100-347Vac, 50/60Hz
- Optimized design for UFO highbay fixture
- Protection: Over-Voltage,Short-Circuit,Over-Load,Open-Circuit.
- Self-diagnostic every month and year.
- Wireless remote control for emergency test
- UL listed for factory and field installation
- CEC (CA tile 20) and USA DoE Energy Efficiency.

cULus LISTED E493915 CE BC RoHS

Specifications

Input Voltage	100-347VAC 50/60Hz	Test Switch/Charging Indicator Light	Remote Control
Output Voltage	≤ 175V DC	Battery	Li-ion battery
Input Current	≤ 200mA	Charging time	≥ 24Hours
Input Power	15W	Output power	☐30W ☐40W ☐60W
Emergency Time	90minutes		
Warranty	5 Years	Weight	
Ambient Temp	0℃ to +50℃	Dimensions	

Operation Instructions

Type A Pole Mount　　　　Type B Pole Mount　　　　Type C Ring Mount
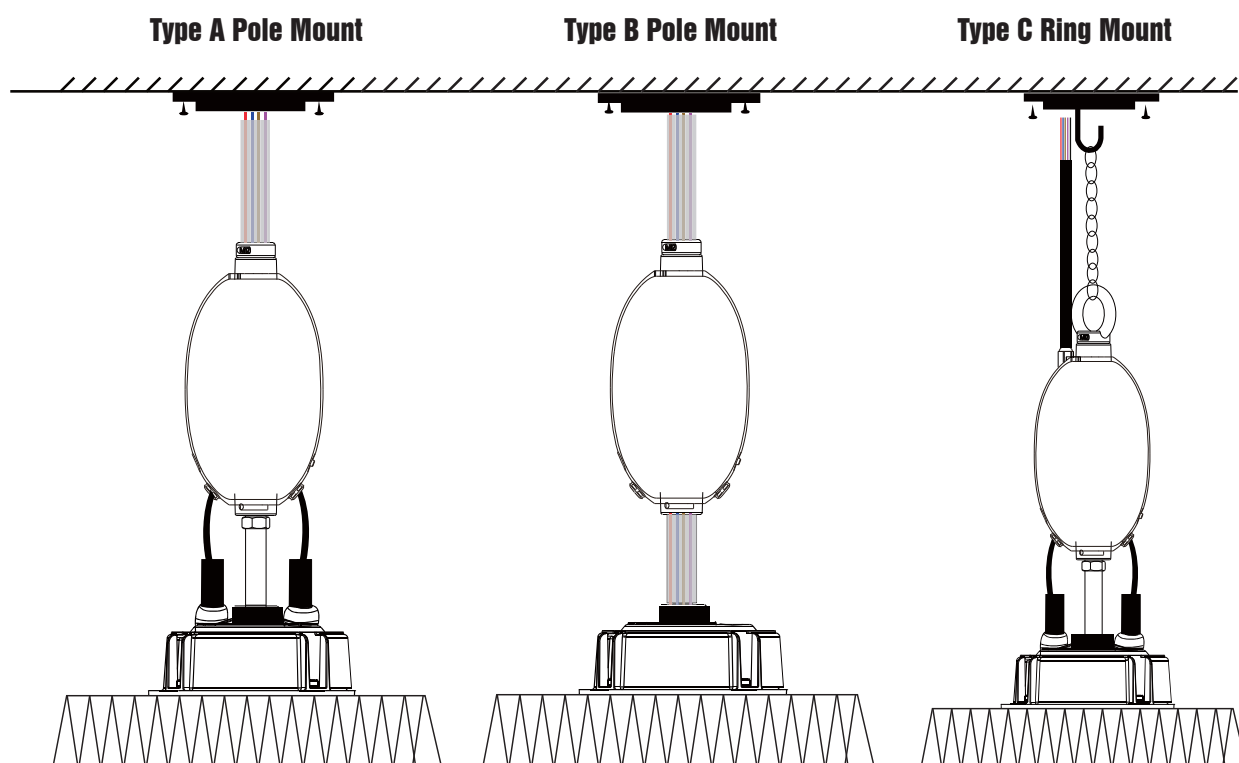
Instructions For Remote Control

ON

OFF
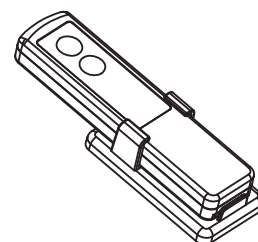
Testing:
Press the ON button to test emergency function.The light will switch to its emergency lighting and the indicator light will turn off. Press the OFF button,the light will recover to normal lighting.
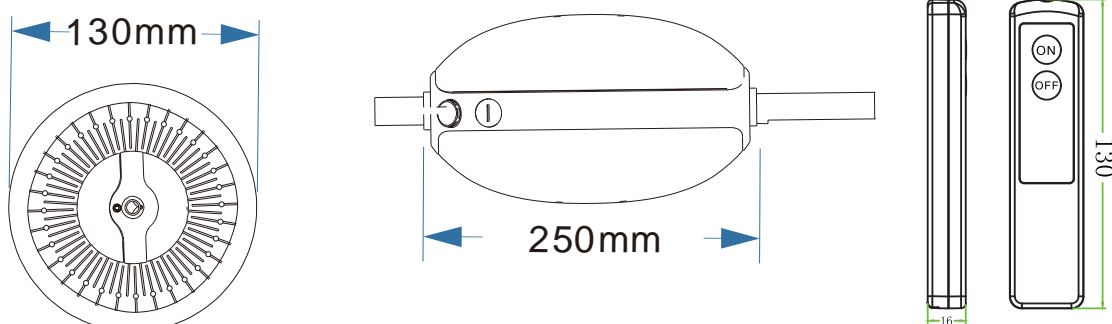When mains supply is off(emergency mode), press the OFF button can turn off emergency function.
Please note:
Remote must be pointed at the indicator light and be within a 45 degree angle to receive asignal/command. Remote needs two AAA batteries to operate (not included).

Size

130mm

250mm

ON
OFF

130

16

Self-Diagnostic

The integrated self-diagnostic circuitry will automatically conduct monthly 30-min and annual 90-min ute tests

to verify proper emergency capability per Life Safety Code requirements.

Press the test button to cut the power to the AC driver and switch the system to emergency mode. Release

NFPA 101, Life Safety Code outlines the following schedule.

Monthly - Insure that the test button light is illuminated. Conduct a 30 second discharge test by depressing the test button.

The LED load should operate at reduced output.

Annually - Insure that the test button is illuminated. Conduct a full 90 minute discharge test. The unit should operate as

intended for the duration of the test.

Written records of the testing shall be kept by the owner for inspection by the authority having jurisdiction."
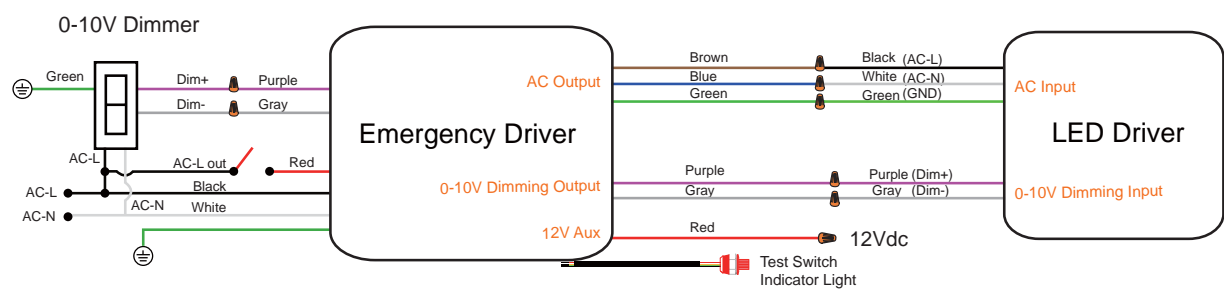
EMERGENCY LED DRIVER
BLD-RMXXW-R/NAC

Wiring Diagram

1 With Dimmer

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

0-10V Dimmer

| Green | Dim+ | Purple |
| | Dim- | Gray |

AC-L out — Red
AC-L — Black
AC-N — White

AC-L
AC-N

Emergency Driver
- AC Output
- 0-10V Dimming Output
- 12V Aux

Brown — Black (AC-L)
Blue — White (AC-N)
Green — Green (GND)

Purple — Purple (Dim+)
Gray — Gray (Dim-)

Red — 12Vdc
Test Switch Indicator Light

LED Driver
- AC Input
- 0-10V Dimming Input

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

2 With Wall Switch(Without Dimmer)

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

Purple (Dim+)
Gray (Dim-)

AC-L out — Red
AC-L — Black
AC-N — White

Emergency Driver
- AC Output
- 0-10V Dimming Output
- 12V Aux

Brown — Black (AC-L)
Blue — White (AC-N)
Green — Green (GND)

Purple — Purple (Dim+)
Gray — Gray (Dim-)

Red — 12Vdc
Test Switch Indicator Light

LED Driver
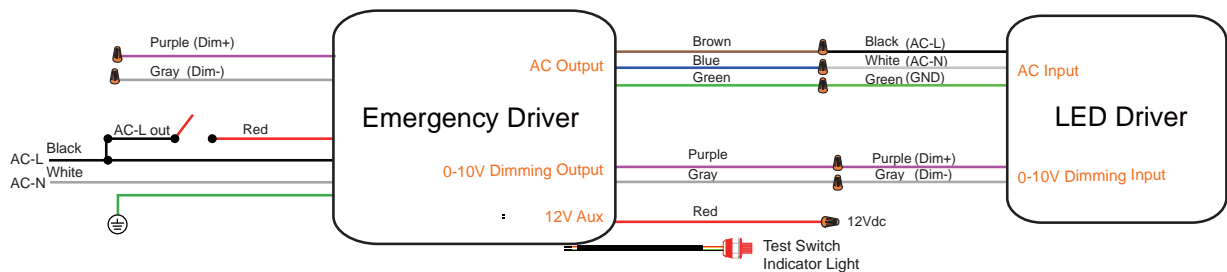- AC Input
- 0-10V Dimming Input

IMPORTANT
Dimming wires must be connected to UFO LED Driver dimming wires for EM to function properly. Will NOT operate if not connected.
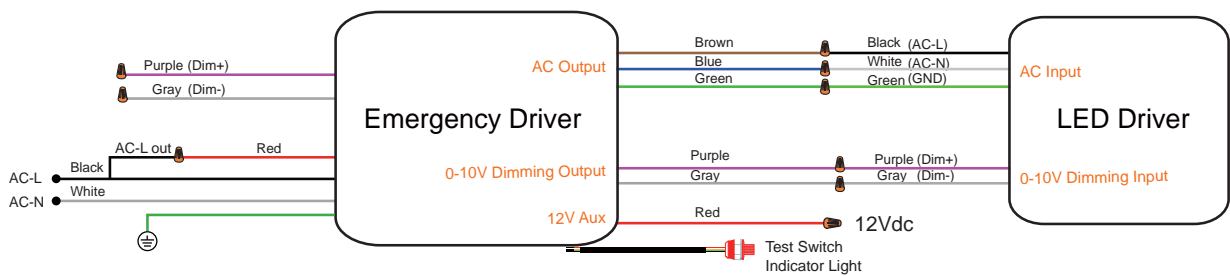
RECOMMENDATION:
Emergency Output Power≥20% Output Power of UFO LED High Bay

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❸ Without Wall Switch&Dimmer, 24hours lighting

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

IMPORTANT	RECOMMENDATION:
Dimming wires must be connected to UFO LED Driver dimming wires for EM to function properly. Will NOT operate if not connected.	Emergency Output Power≥20% Output Power of UFO LED High Bay

❹ With Sensor(100-277/347V AC)

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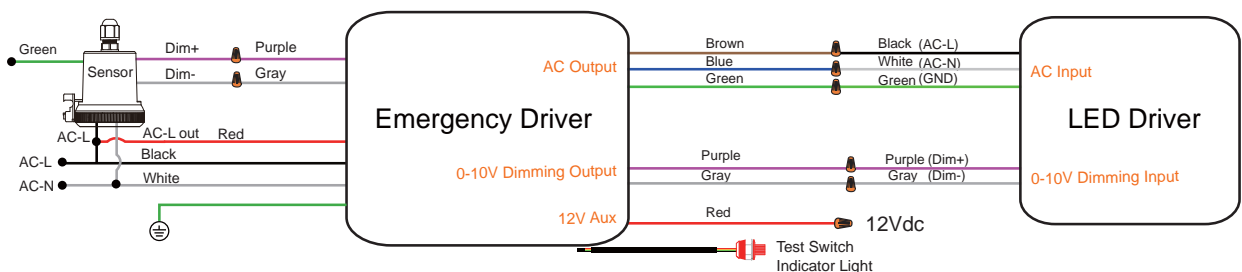

IMPORTANT	RECOMMENDATION:
Dimming wires must be connected to UFO LED Driver dimming wires for EM to function properly. Will NOT operate if not connected.	Emergency Output Power≥20% Output Power of UFO LED High Bay

EMERGENCY LED DRIVER
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Wiring Diagram

⑤ With 12VDC Sensor

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

Emergency Driver	LED Driver

- 12VDC Sensor
- Purple (Dim+)
- Gray (Dim-)
- AC Output
- Brown
- Blue
- Green
- Black (AC-L)
- White (AC-N)
- Green (GND)
- AC Input
- AC-L out / Red
- AC-L Black
- AC-N White
- 0-10V Dimming Output
- Purple
- Gray
- Purple (Dim+)
- Gray (Dim-)
- 0-10V Dimming Input
- 12V Aux
- Red
- Test Switch Indicator Light

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

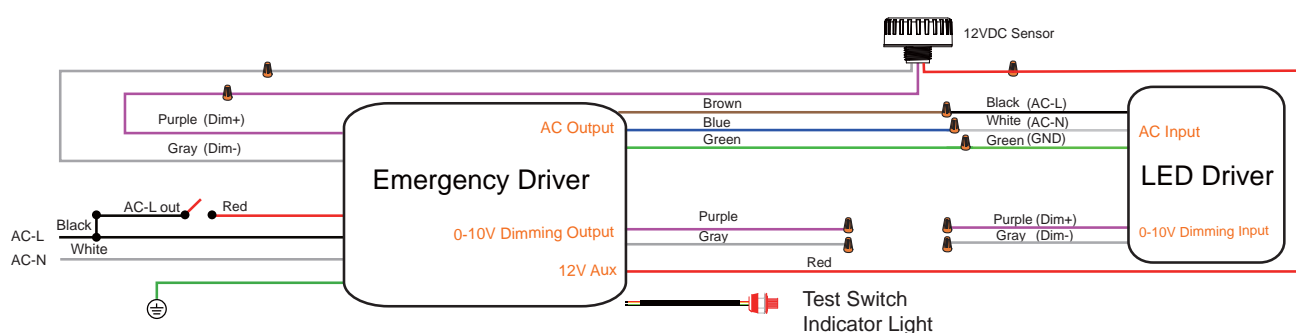# EMERGENCY LED DRIVER
BLD-RMXXW-R/NAC

⚡ 100-347Vac

30W/40W/60W

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- Risk of fire or electric shock.Luminaire wiring and electrical parts may be damaged when drilling for installation of LED Emergency Backup.Check for enclosed wiring and components.

- Risk of fire or electric shock.This LED Emergency Backup installation requires knowledge of luminaire.electrical systems.If not qualified,do not attempt installation.Contact a qualified electrician.

- Before installing,make certain the AC power to the fixture is off.

- The electrical rating of this product is 100-347Vac.Installer must confirm that there is 100-347Vac to the fixture before installation.

- To prevent electrical shock only mate unit connector after installation is complete and before the AC power to the fixture is back on.

- Do not use outdoors.

- This LED Emergency Backup unit requires an un-switched AC power source of 100-347Vac,50/60Hz The AC driver must be on the same branch circuit as the LED Emergency Backup unit.

- Do not let power supply cords touch hot surfaces.

- Do not mount near gas or electric heaters.

- Do not connect battery pack connector until all other wiring is complete and AC power is on.

- Equipment should be mounted in locations and at heights where it is not be subjected to tampering by unauthorized personnel.

- The use of accessory equipment is not recommended by the manufacturer and may cause an unsafe condition.

- Do not use this equipment for other than its intended use.

- Use with grounded, UL Listed, dry or damp location rated fixtures.

- Make sure the load is not greater than 300W, more than this parameter wil result in shortening discharge time.

- Repairs and maintenance must be carried out by qualified personnel