EMERGENCY LED DRIVER

BLD-HM20D-480800

100-347Vac

15W/20W/25W

HIGH VOLTAGE OUTPUT
175VDC

CONSTANT POWER
EMERGENCY OUTPUT

Self Test

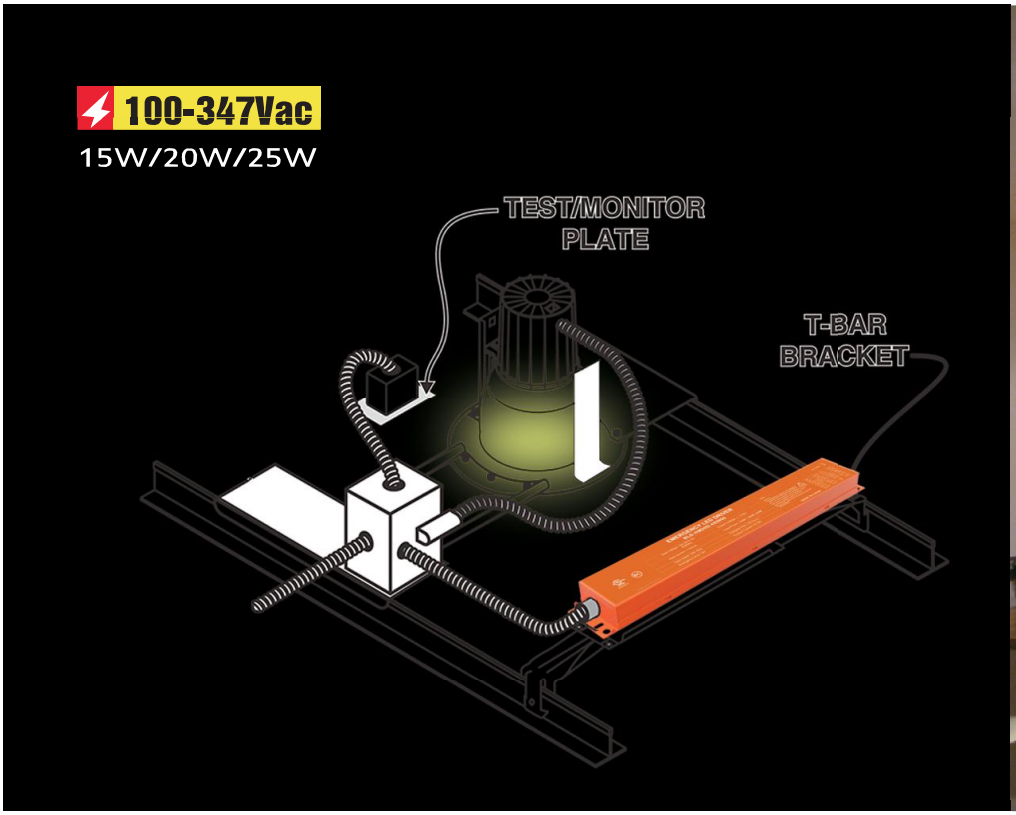
c UL us LISTED E493915

BC

90 min | LED | LFP | IP20 | 5 year | 100-347V

Features

- Easy wiring:directly connect to AC input of LED lamps
- Ideal for many kinds of indoor LED fixtures ⩽150W with 0/1-10V dimming wires (Can work with up to 25W LED lamps without dimming function)
- Listed for factory or field installation-UL924&CSA C22.2 NO.141
- Constant Power output
- Input voltage:100-347Vac,50/60Hz
- Battery protections:over temperature protection,over charge protection Over discharge protection,shortcircuit protection.
- Self testing monthly/yearly
- Can work with sensors
- Meet CEC Title 20 standards(california energy commission)



Specifications

MODEL NO.	BLD-HM15D-480800	BLD-HM20D-480800	BLD-HM25D-480800
Input Voltage	100-347Vac, 50/60Hz	100-347Vac, 50/60Hz	100-347Vac, 50/60Hz
Input Current	⩽100mA	⩽100mA	⩽100mA
Input Power	8W max	8W max	8W max
Ouput Voltage	⩽175V DC	⩽175V DC	⩽175V DC
Output Power	15W	20W	25W
Application	① ⩽150W(0/1-10V Dimmable Fixture) ② ⩽15W LED Lamps without dimming function	① ⩽150W(0/1-10V Dimmable Fixture) ② ⩽20W LED Lamps without dimming function	① ⩽150W(0/1-10V Dimmable Fixture) ② ⩽25W LED Lamps without dimming function
Ambient Temperature	0°C to+50°C(30°F to122°F)	0°C to+50°C(30°F to122°F)	0°C to+50°C(30°F to122°F)

CAUTION: The Emergency LED driver must connect to 0/1-10V dimming wires(DIM+,DIM-) of the fixture if the LED luminaire power is exceed the emergency LED driver power.

Widely used in indoor lighting fixtures: backlit led panel, edge-lit led panel led troffer, led downlight, linear strip light, tri-proof light, LED Tube, etc.

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Self-Diagnostic

The integrated self-diagnostic circuitry will automatically conduct monthly 30-second and annual 90-minute 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 the test button to return to normal mode. Switch off the circuit breaker to simulate a full power outage.

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.

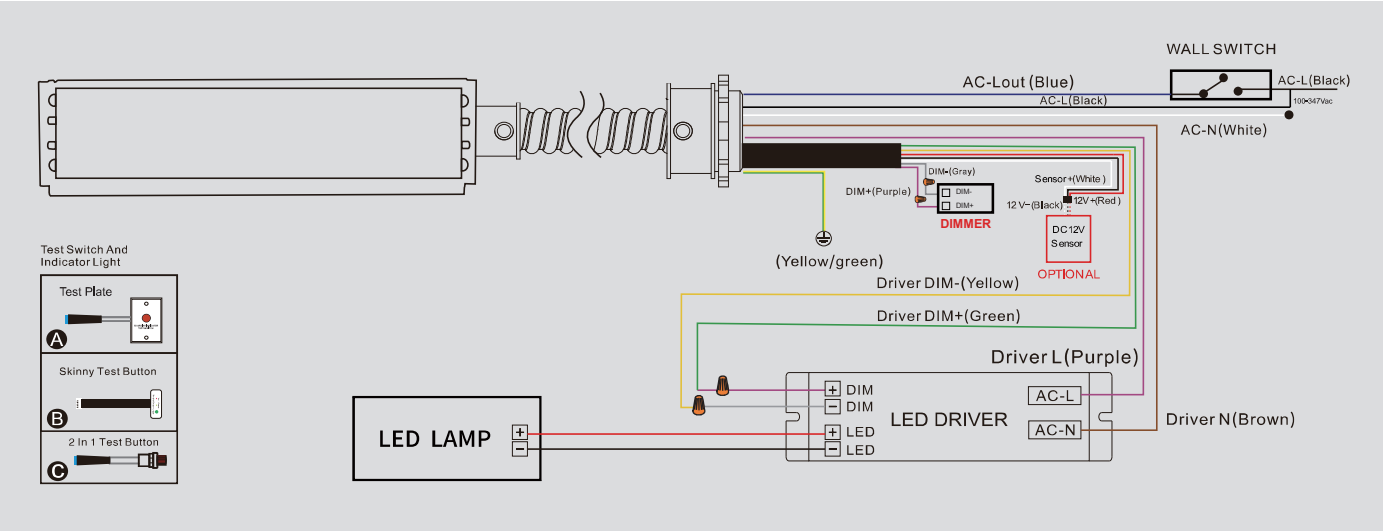
“Written records of the testing shall be kept by the owner for inspection by the authority having jurisdiction.”

Wiring Diagram

Wiring 1 : For LED Driver With Input Power Higher Than Emergency Output Power

0/1-10V Dimmable LED Driver + Dimmer Switch

Emergency Driver Dim+(Green) , Driver Dim-(Yellow) Have to connect with LED driver DIM+ and DIM-



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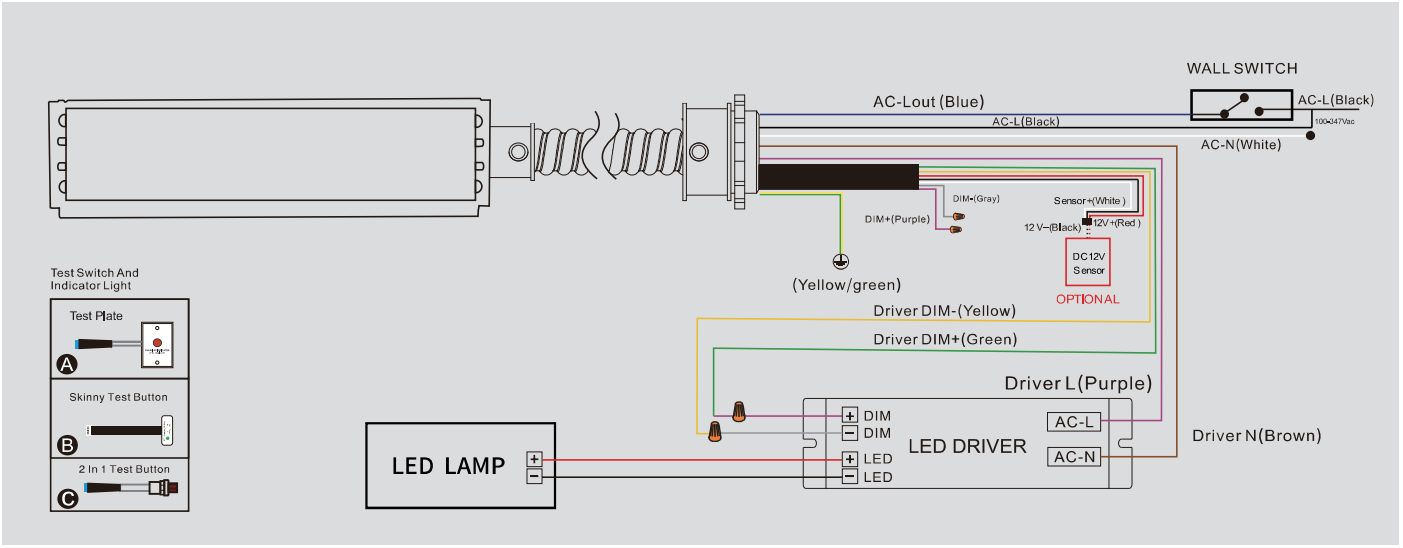
Wiring 2 : For LED Driver With Input Power Higher Than Emergency Output Power

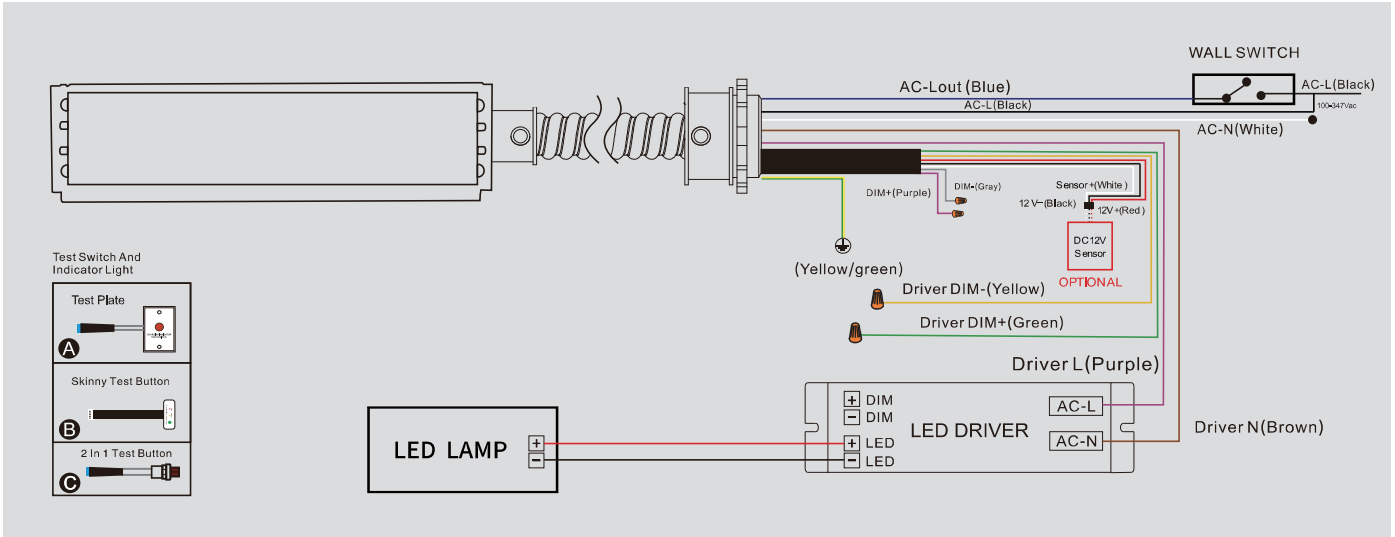
0/1-10V Dimmable LED Driver + Wall Switch

Emergency Driver Dim+(Green) , Driver Dim-(Yellow) Have to connect with LED driver DIM+ and DIM-



Wiring 3 : For LED Driver With Input Power Less Than Emergency Output Power

NON Dimmable LED Driver



Emergency Driver can be used with either a switched or unswitched or emergency only fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency driver.

The emergency driver must be fed from the same branch circuit as the AC driver. It is not recommended with fixtures where the ambient temperature may fall below 0°C. The product is suitable for installation in sealed and gasketed fixtures.

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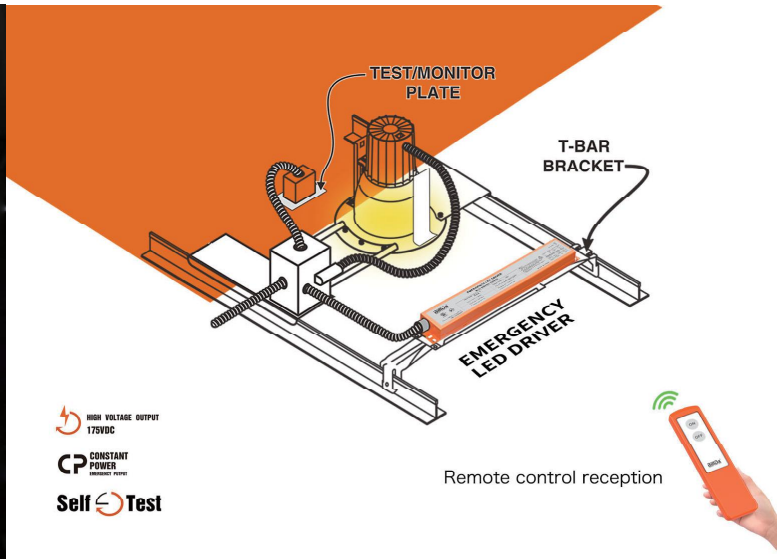

Non-Remote version:

Test Switch & Indicator

In emergency mode, double-click the test switch to turn off
Green flashing: charging mode
Green stable: charging full
Red stable: discharging mode

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

Remote version:

Indicator

Red flashing: charging mode
Red stable: charging full
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).

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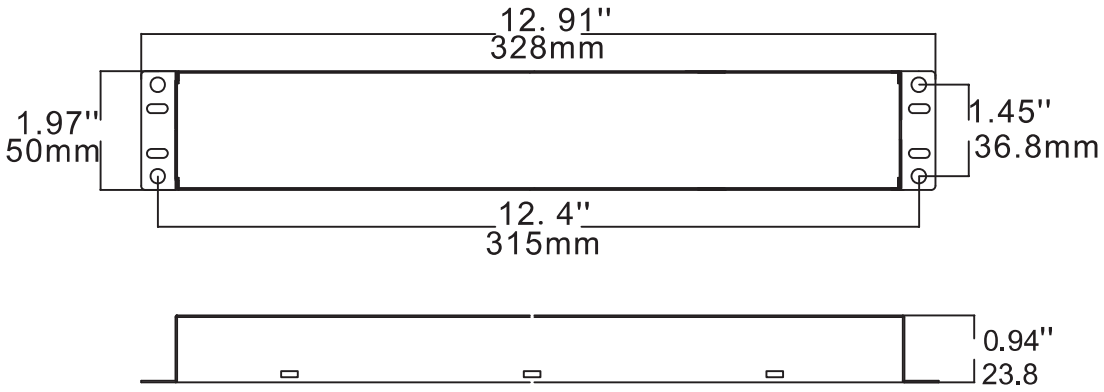
Dimensions

Case:12.91''X1.97''X0 94''(mounting center 8.62'')



●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.

●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 use out doors

●The emergency LED driver is for use with grounded,ULlisted LED luminaires,shall be enclosed by the LED luminaire and bonded to the grounding of LED luminaire.

●Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.

●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 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.