



Emergency LED Driver

Date: Location:.....

Product:..... Project:

Quantity:..... Catalog#



FEATURES

- **Constant output power Self-testing.**
- **Long life high temperature recyclable Li-ion battery.**
- **Includes 2-in 1 test switch and charge indicator.**
- **5 years warranty.**
- **Suitable for use in dry and damp location.**
- **UL Listed for factory or field installation-UL9 CSA C22.2 NO.141.**
- **Certified for CA Title 20.**

AC Operation:
AC power is present,The LED load from the LEDdriver is normal power supply,AC LED driver output current ca the emergency driver is charging in a stand by mode.The green LED light on to indicate that it is charging.

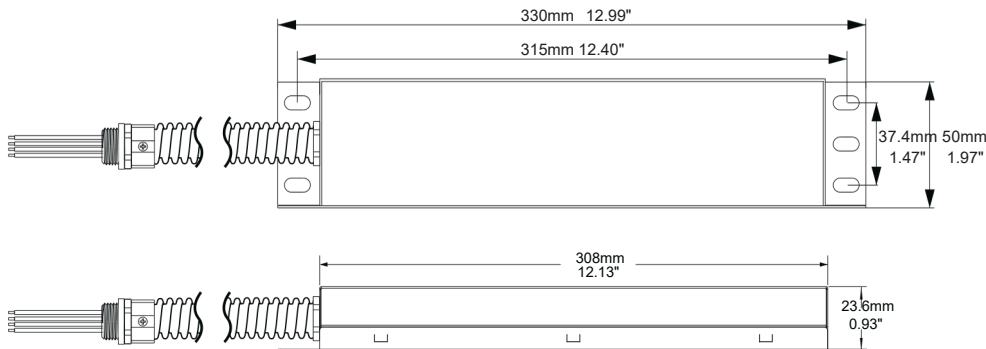
Testing and Indicator Represents:
Green flashing indicator represents that the emergency driver is charging;
Green stable indicator represents that the emergency driver is fully charged;
Red stable indicator represents that the Emergency driver is in Emergency Mode(Discharging);
Red flashing indicator represents that the emergency driver is low battery;
Yellow indicator represents error operation.

Electric Characteristic

Model NO	Input Voltage	Input Current	Input Power Rating	Time Recharge	Output Power	Discharge Time	Application
LS-EM20W	120-347V AC	100mA max	12W max	24H	20W	1.5H	≤ 150W(0-10V Dimmable Fixture) ≤ 20W LED Lamps without dimming function

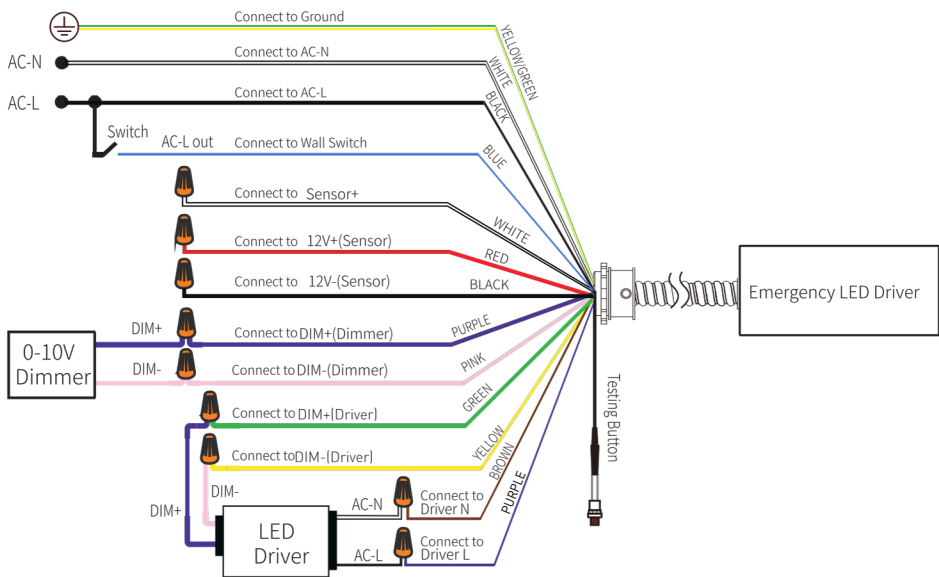
DIMENSION

DRIVER SIZE:L*W*H=12.99"(330mm)*1.97"(50mm)*0.93"(23.6mm)

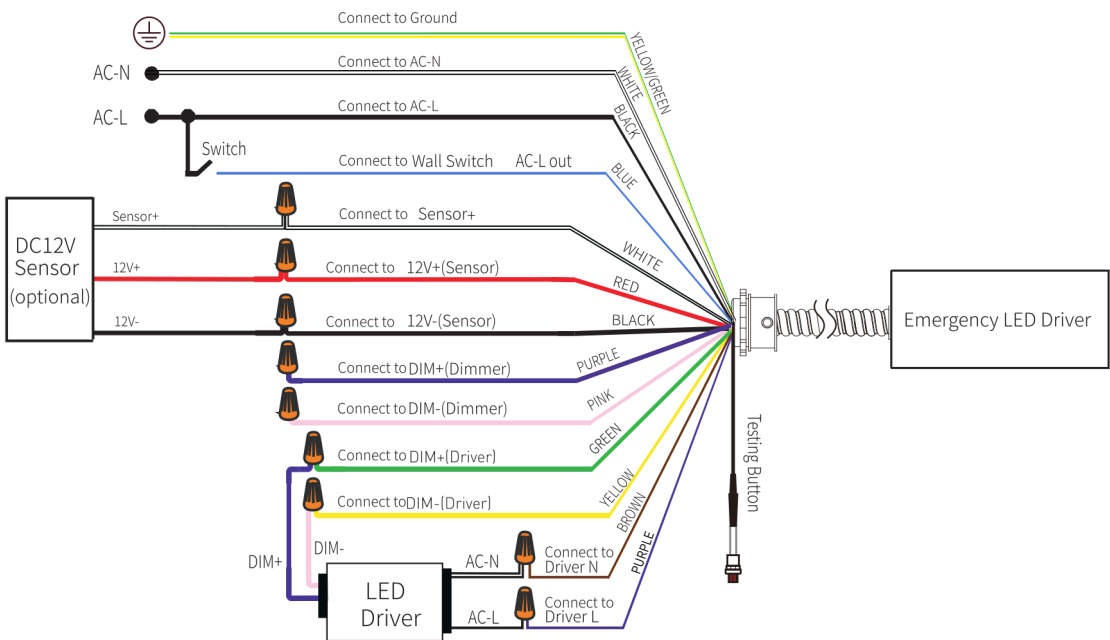


Wiring Diagram:

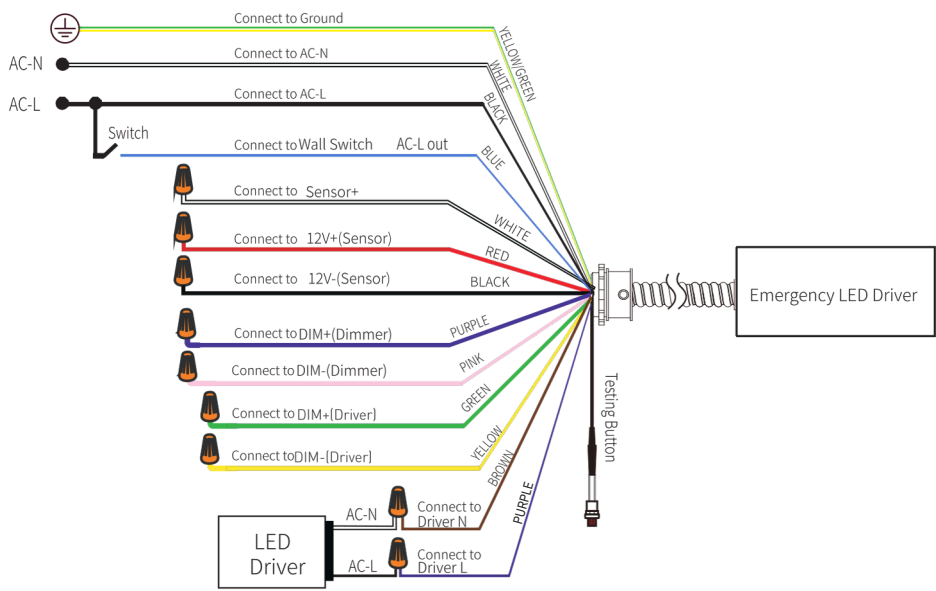
1.For luminaire with 0-10V LED driver and using 0-10V dimmer
(* LED DRIVER INPUT POWER NOT GREATER THAN150W)Emergency Inverter
Dim+(Green) , Driver Dim-(Yellow) has to connect with LED driver DIM+ and DIM-



2.For luminaire with 0-10V LED driver, without using 0-10V dimmer
(* LED DRIVER INPUT POWER NOT GREATER THAN 150W)Emergency Inverter
Dim+(Green) , Driver Dim-(Yellow) has to connect with LED driver DIM+ and DIM-
If use 12Vdc sensor, the wires must connect to emergency led driver's 12V sensor wires.



3. For luminaire with non-dimming LED driver
(* LED DRIVER INPUT POWER NOT GREATER THAN 20W)



INSTALLATION MANUAL

!!! IMPORTANT SAFEGUARDS !!!	WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTION SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING
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- CAUTION: RISK OF SHOCK-disconnect emergency and normal input power sources before servicing any equipment connected to this unit.
- CAUTION: Risk of fire or electric shock-This emergency battery pack installation requires knowledge of luminaire and electrical systems.
- CAUTION: Servicing of this equipment should be performed by qualified personnel only.
- CAUTION: Before installation, make certain the AC power to fixture is off.
- CAUTION: Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.
- CAUTION: Suitable for use in 0°C - 40°C ambient temperatures. Max. mounting height: 10 ft.
- IMPORTANT: A non-switched AC power source is required (120VAC, 60/50 Hz). This device is designed for fixtures listed for dry and damp locations.
- IMPORTANT: Please charge the battery consistently for > 12 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.
- IMPORTANT: Customers are advised to charge emergency LED drivers 12 hours every 3 months during storage, and which could be stocked for 1 year at most. If customers don't install and recharge for more than 1 year, the batteries may be damaged. This is not covered in the warranty, and we would charge for replacement.
- IMPORTANT: Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility test before using and final installation.
- Do not use outdoors. 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 is not recommended by the manufacturer may cause an unsafe condition.
- CAUTION: The emergency battery pack is not for use in an air-handling fixture.
- CAUTION: Do not use this equipment for other than its intended use.