



For wiring to the led driver's input



RoHS
COMPLIANT

Features

- UL Listed for us and canada
- Listed to UL924 and tested to CSA C22.2 NO.141 Field or factory installation
- High voltage output
- Low energy consumption CEC compliance
- Constant output power
- Self-testing
- Battery:over temperature protection

Specifications

- Input Voltage:100~347Vac, 50/60Hz
- Input Current:200mA max.
- Input Power Rating:12W max.
- Output Voltage:170Vdc
- Emergency Power:15W/25W/40W
- Recharge Time:24Hrs
- Discharge Time:90 minute
- Battery:Li-ion
- Warranty:5 Years
- Ambient Temp:32~122°F(0~50°C)
- Weight:2.66 lbs(1.2kg)

Model No.

| Model No. | Output Voltage | Emergency Power | Battery Type |
|-------------|----------------|-----------------|--------------|
| EMA15FY-170 | 170Vdc | 15W | Li-ion |
| EMA25FY-170 | | 25W | |
| EMA40FY-170 | | 40W | |

Function

Indicator Light

- AC Operation, indicator light will keep on
- Emergency Operation, indicator light flash slowly (light on for 2 seconds, light off for 2 seconds)
- In a failure, indicator light flash quickly (light on for 0.2 seconds, light off for 0.2 seconds)

Test Switch

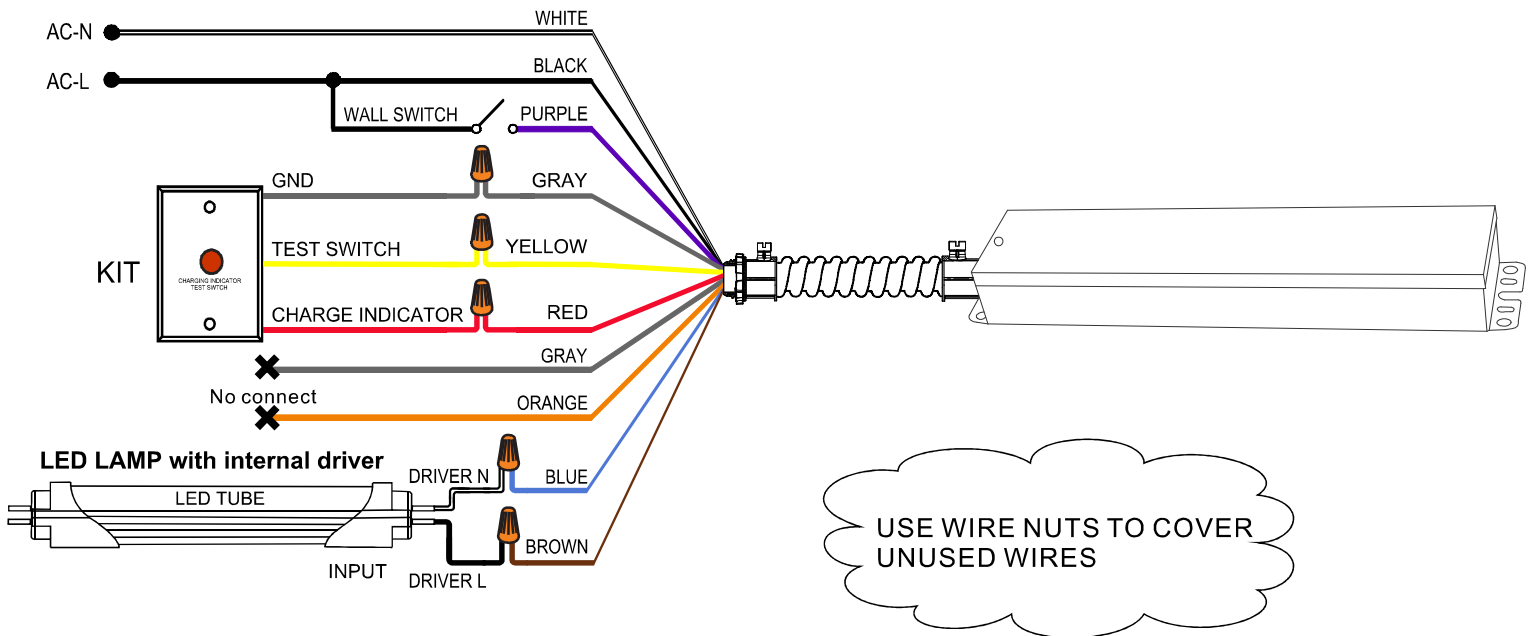
- In AC Operation, press test switch once, emergency for 30 seconds
- In AC Operation, press test switch twice in asuccession within two seconds, emergency until battery is full discharged
- In the emergency operation, press test switch will turn off emergency status, and led lamp & indicator light of EM driver will go out at the same time

CAUTION:

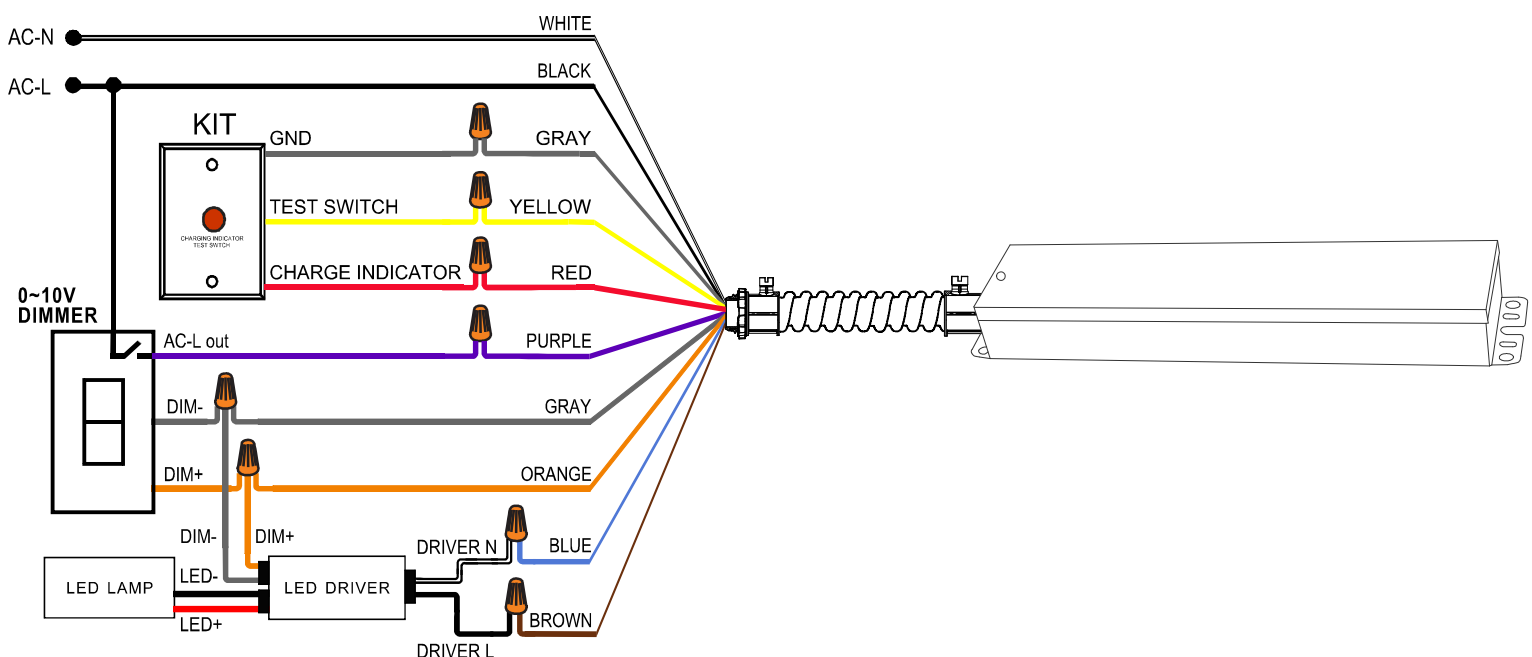
- During AC operation, remember no touch or remove any wires in case of electric shock
- During emergency operation, before touching and disconnecting the wires, remember to press the test button again to make the led lamp and indicator light off to avoid electric shock
- The voltage input to the dimmable wires(DIM+,DIM-) of emergency LED driver must less than 20Vdc
- For emergency LED driver of EMA15FY-170/EMA25FY-170 better work with LED lamp not more than 150W, for EMA40FY-170 must work with LED lamp less than 300W

Wiring Diagram

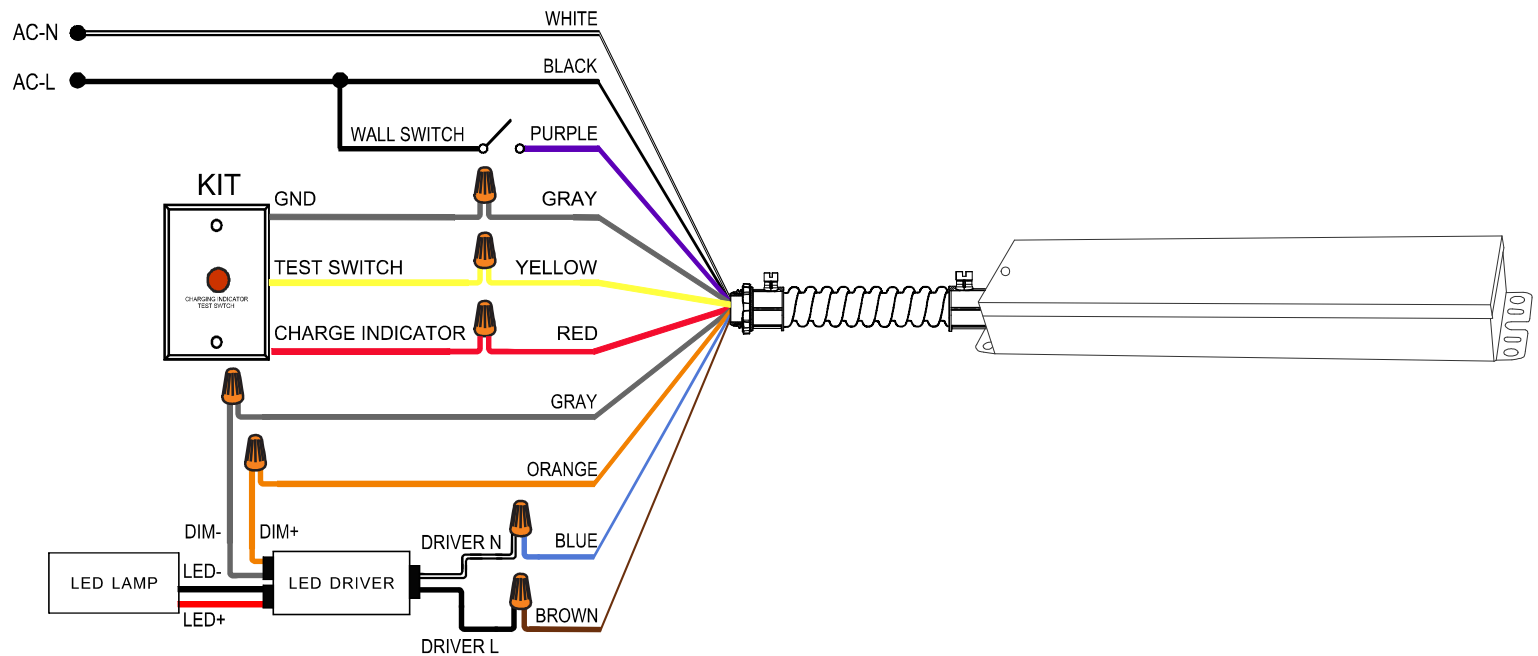
***When the led driver power less than the emergency power**
A) Normal



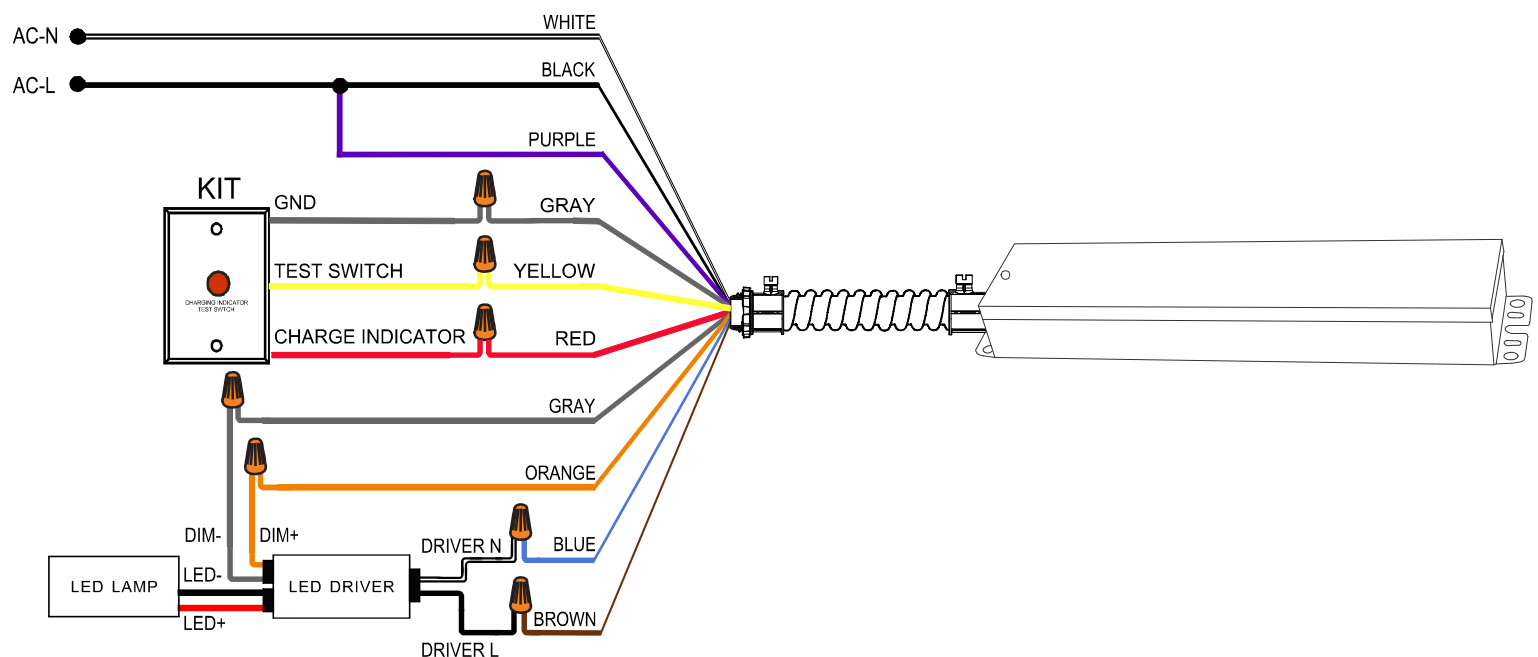
***When the led driver power more than the emergency power**
B) With Dimmer



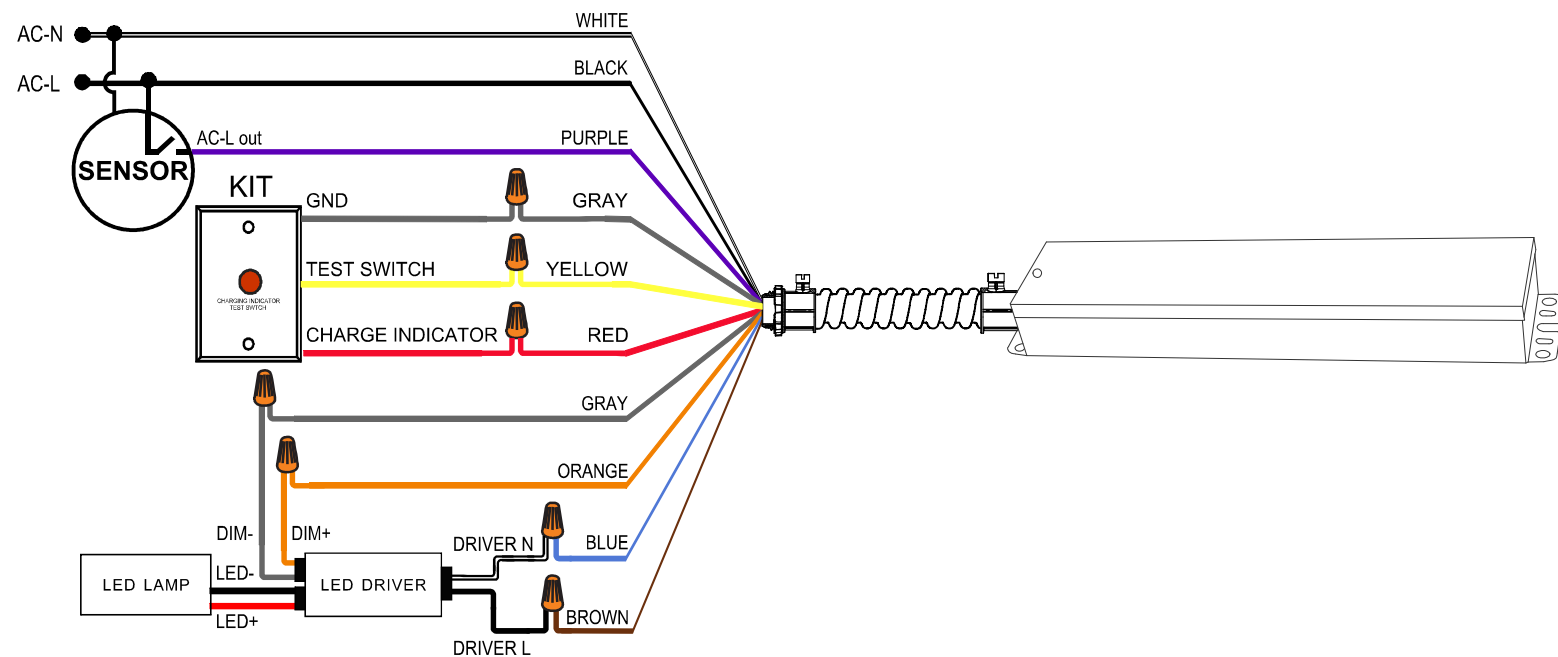
C) Without Dimmer



D) Without Switch and Without Dimmer



E) With Sensor



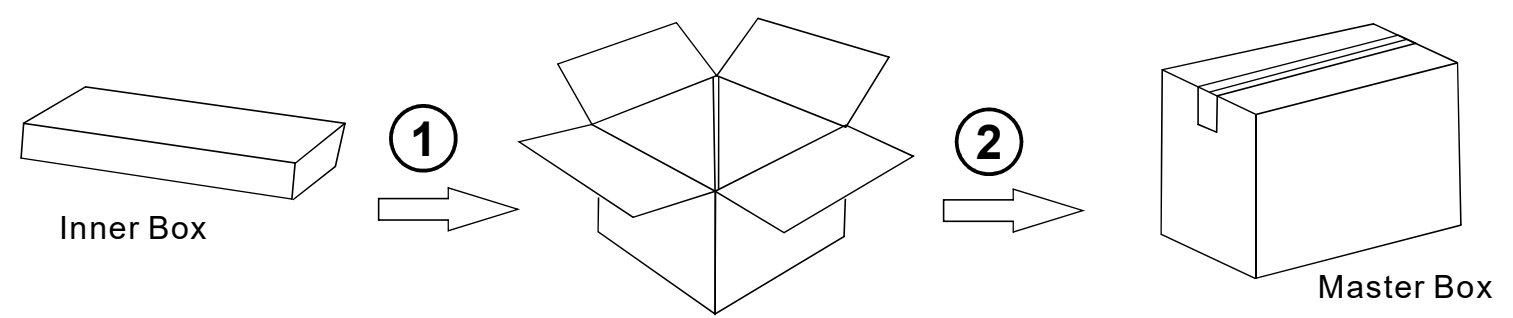
SELF-TEST

- The emergency LED driver contains a control/monitor circuit which will perform a 30-second discharge test once a month and a fully discharge test once a year. At this time, the unit simulate an AC power failure and automatically switch to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage, and emergency duration, if the unit detect any problems, the indicator will flash quickly.

Dimensions

| Emergency LED Driver | Size(inch) | | | | | | | | | | |
|---|------------|--------|-------|-------|--------|--------|-------|------------------|------------------|--------------------|--------------------|
| Picture | Length | | Width | | Height | Radius | | Flexible Conduit | Conduit Diameter | Connector Diameter | Length of the wire |
| <p>The diagram shows a rectangular device with a coiled wire on the left side. Dimensions are labeled: L1 is the total length, L2 is the length of the main body, W1 is the height of the coil, W2 is the height of the main body, R1 and R2 are the radii of the coil turns.</p> | L1 | L2 | W1 | W2 | / | R1 | R2 | / | / | / | / |
| | 12.32" | 11.73" | 2.32" | 1.65" | 1.48" | 0.14" | 0.08" | 13" | 0.75" | 0.79" | 5.51" |

Package



Package information are as following forms

| Power | Length(inch) | Width(inch) | Height(inch) | G.W(kg) | N.W(kg) | QTY(pcs) |
|-------|--------------|-------------|--------------|---------|---------|----------|
| 15W | 16.57" | 11.26" | 10.24" | 11.5 | 9.5 | 10 |
| 25W | 16.57" | 11.26" | 10.24" | 13 | 11 | 10 |
| 40W | 16.57" | 11.26" | 10.24" | 14 | 12 | 10 |