

Emergency LED Driver

High Voltage | Gen 3



OPERATION

When AC power fails, EM series emergency LED driver immediately switches to the emergency mode, operating for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

APPLICATION

Used on any 1~200W LED luminaire with 0-10V dimming.

MOUNTING CONFIGURATIONS:

Each unit is available in 4 different mounting configurations to accommodate various performance requirement and fixtures types.

- **Dual Flex (Standard)**

Provides dual flex for wiring to both the fixture or driver compartment and test accessories.



- **Integral Non-Flex (Optional)**

Allows for integral installation within the driver compartment. May also be mounted atop the fixture when used with a TMK cover accessory.



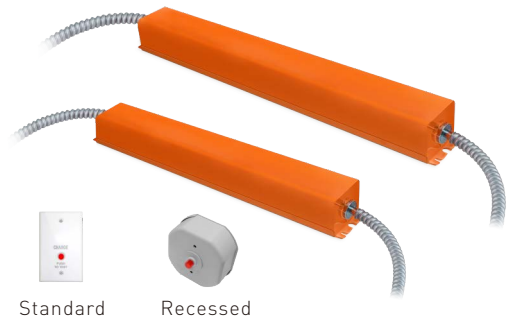
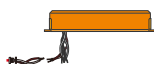
- **Single Flex (Optional)**

Mounts to the junction box and provides flexible conduit for remote mounting of the test accessories.



- **Top-Mount Non-Flex (Optional)**

Top-mounting option for running wires directly into the driver compartment. Test accessories are then installed within the fixture.



CODE-REQUIRED TESTING

More secure, more rigorous than the standard requirements.

- **Initial Self-test after installation**

It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker in case of a failure or an error.

- **Second Self-Test In 120 Minutes**

It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.

- **Monthly Self-Test**

It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.

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SPECIFICATION



Situation 1) Without 0-10V dimming function
 - Compatible for $\leq 8W$ LED luminaire with internal driver.

Situation 2) With 0-10V dimming function
 - Minimum Dim-down Power \leq Output Power of LED emergency driver.
 - Recommended Compatibility: Up to 60w LED luminaire with 0-10v dimming.

[e.g: 60W LED panel, 10%-100% dimming range, and the minimum dim-down power is 6W. It can work since it is less than 8W LED emergency driver].

EM-H08170-LBF

Output Power
8 Watts

Output Voltage
170V DC

Input Current
70 mA (Max)

Input Power
3.2 Watts (Max)

Input Voltage
100-277VAC, 50-60Hz

Emergency Operation
 ≥ 90 Minutes

Standby Power
 $< 0.4W$

Operating Temp
0°C to 50°C

Battery
Lithium

Recharge
24 Hrs

Luminaire Load Power
60W (Max)
Minimum dim-down power \leq EM power

Certificate
UL, CEC

Dimensions
L12.76" x W2.13" x H1.57"



Situation 1) Without 0-10V dimming function
 - Compatible for $\leq 25W$ LED luminaire with internal driver.

Situation 2) with 0-10V dimming function
 - Minimum Dim-down Power \leq Output Power of LED emergency Driver.
 - Recommended Compatibility: Up to 200w LED luminaire with 0-10v dimming.

[e.g: 200W LED highbay, 10%-100% dimming range, and the minimum dim-down power is 20W. It can work since it is less than 25W LED emergency driver].

EM-H25170-LBF

Output Power
25 Watts

Output Voltage
170V DC

Input Current
110 mA (Max)

Input Power
6 Watts (Max)

Input Voltage
100-277VAC, 50-60Hz

Emergency Operation
 ≥ 90 Minutes

Standby Power
 $< 0.4W$

Operating Temp
0°C to 50°C

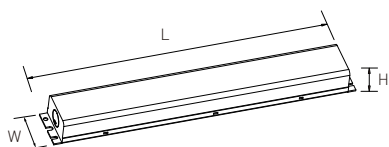
Battery
Lithium

Recharge
36 Hrs

Luminaire Load Power
200W (Max)
Minimum dim-down power \leq EM power

Certificate
UL, CEC

Dimensions
L15.4" x W2.13" x H1.57"



PRODUCT ORDERING GUIDE

Sample

EM - H 08 170 - LBF
1 2 3 4

EM - H [] 170 - LBF
1 2 3 4

1. Base Model

EM Emergency LED Driver

2. Type

- L Pack - Low Voltage Version
- H Pack - High Voltage Version
- S Split - Low Voltage Version

3. Output Power

- 08 8W
- 25 25W

4. Output Voltage

170 170V DC

OPTIONAL ORDERING GUIDE

Indicator

- Standard
- Recessed *



Install Kit

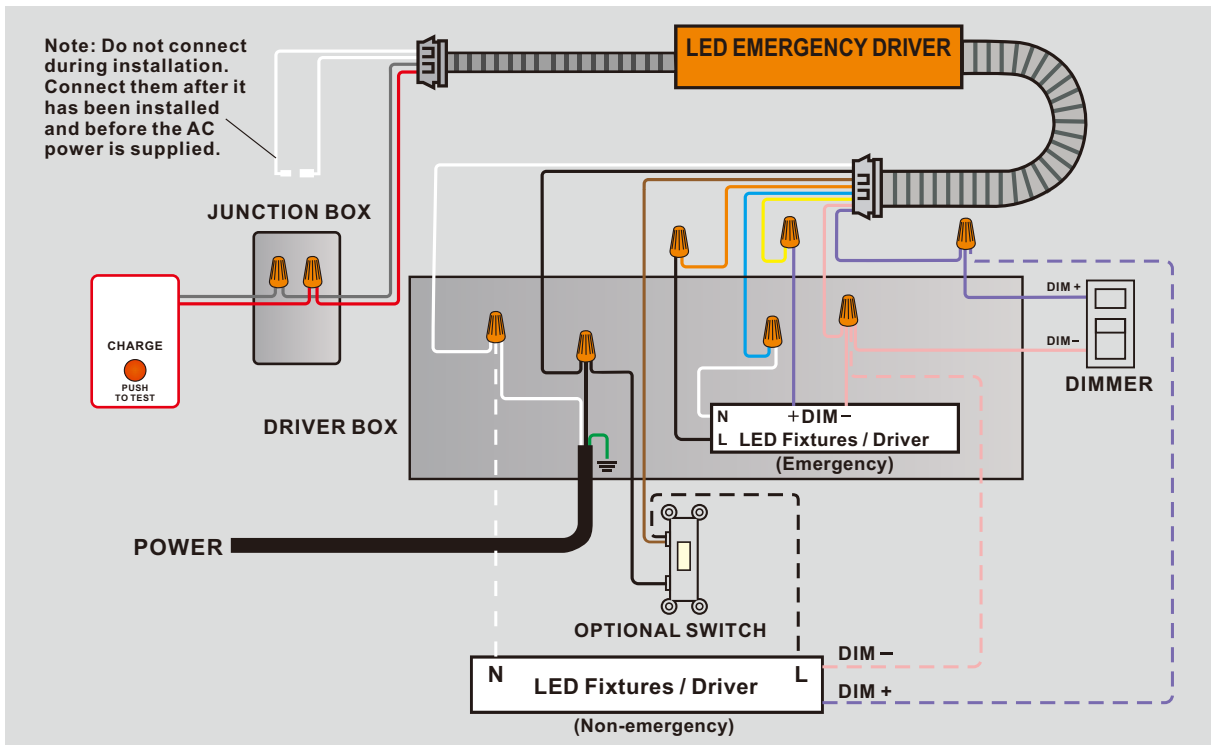
- T-Grid Hanger

*Additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

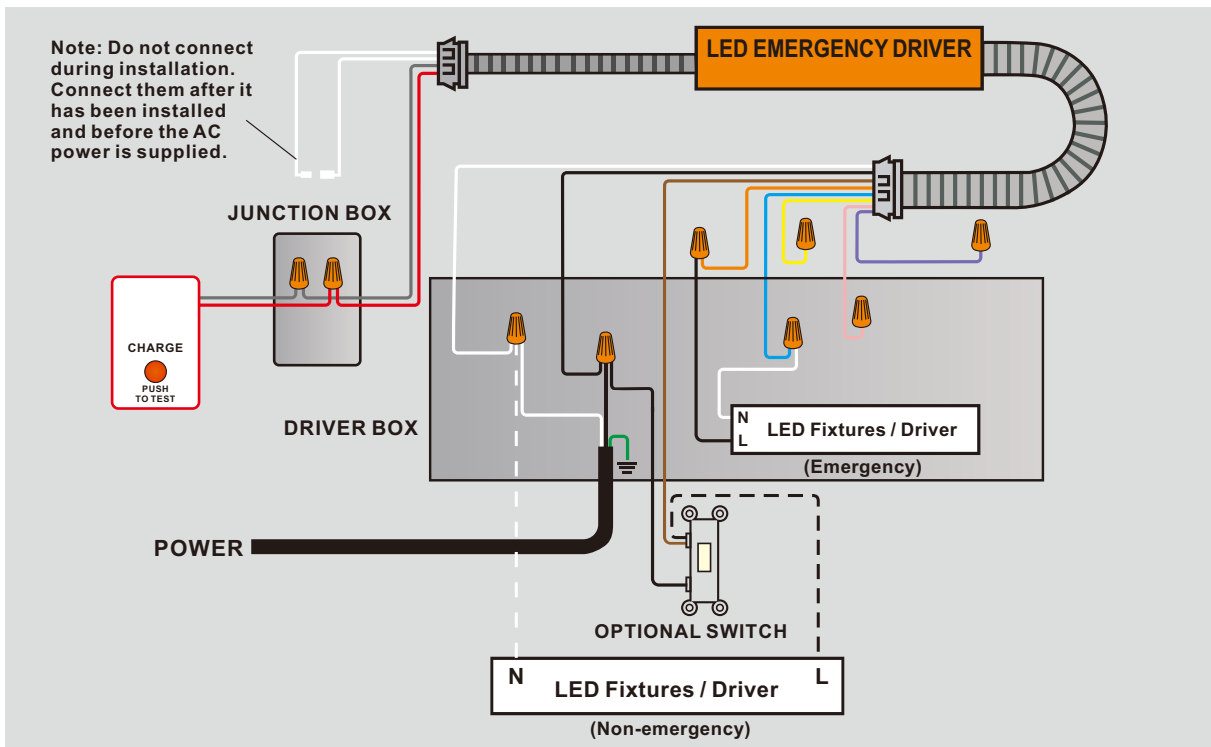
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WIRING DIAGRAM



Power of luminaire with 0-10V dimming > Power of emergency driver.



Power of luminaire \leq Power of emergency driver.