LIGHTING Elements

PROJECT NAME	
CATALOG NUMBER	
NOTES	
FIXTURE TYPE	

Product Ordering Guide

Sample

EM - H 08 170-LBF
1 2 3 4

EM	-				-	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 Information

Indicator

☐ Standard

☐ Recessed

Install Kit

☐ T-Grid Hanger

Operation

When AC power fails, Lighting Elements' 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.

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.

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.

- Single Flex (Optional)

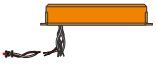
  Mounts to the junction box and provides flexible conduit for remote mounting of the test accessories.

- 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.

- Top-Mount Non-Flex (Optional)

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



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California Energy Commission
Title 20 efficiency standards

Emergency LED Driver

Pack - High Voltage - UL & CEC Listed / Factory or Field Installation

Specification

Note:

- Unrivaled emergency solution for most 1~60W LED luminaire which has 0-10V dimming.
- Minimum dim-down power≤ EM power
- It must connect 0-10V dimming wires if power of luminaire > power of 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℃ to 50℃

Battery
Lithium

Recharge
24 Hrs

Luminaire Load Power
60W (Max) *Minimum dim-down power≤ EM power*

Dimensions
12.76"×2.13"×1.57"

Certificate
UL , CEC

Note:

- Unrivaled emergency solution for most 1~200W LED luminaire which has 0-10V dimming.
- Minimum dim-down power≤ EM power
- It must connect 0-10V dimming wires if power of luminaire > power of 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℃ to 50℃

Battery
Lithium

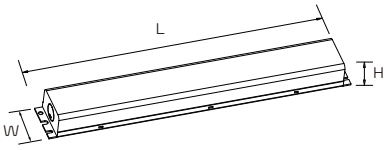
Recharge
36 Hrs

Luminaire Load Power
200W (Max) *Minimum dim-down power≤EM power*

Dimensions
15.4"×2.13"×1.57"

Certificate
UL , CEC

Dimensions



Model	L	W	H
EM-H08170-LBF	12.76"	2.13"	1.57"
EM-H25170-LBF	15.4"	2.13"	1.57"

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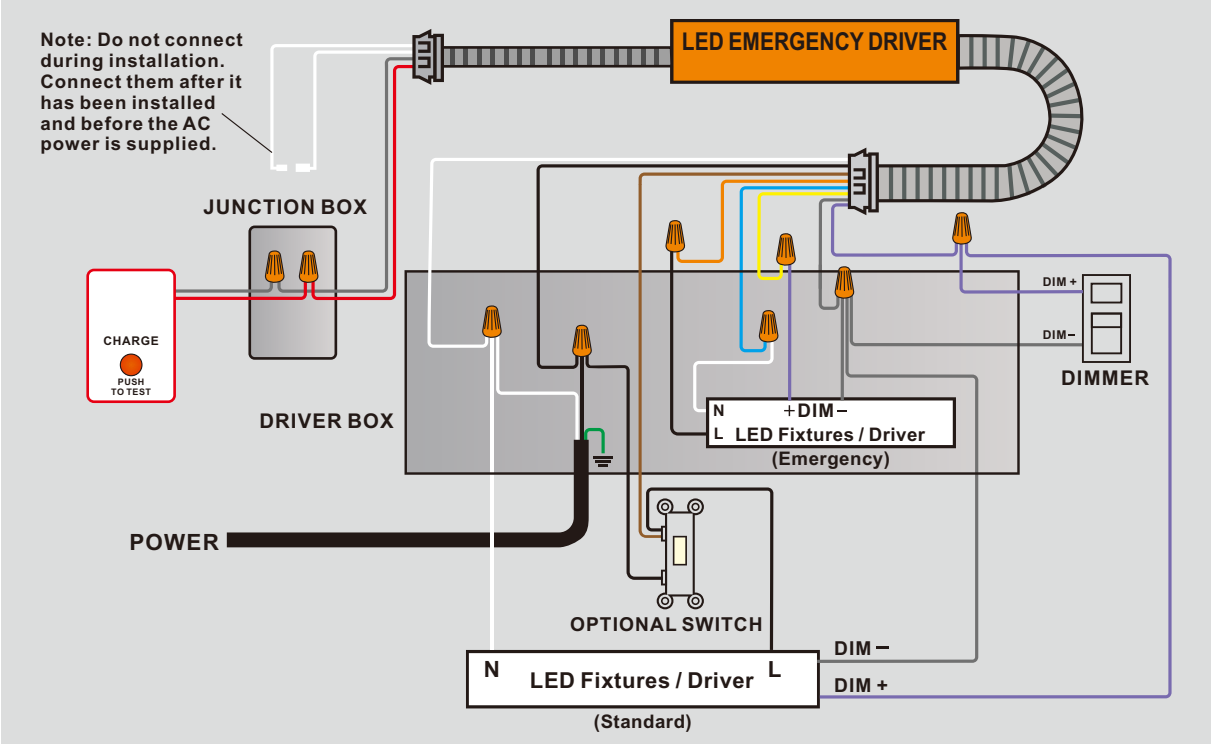
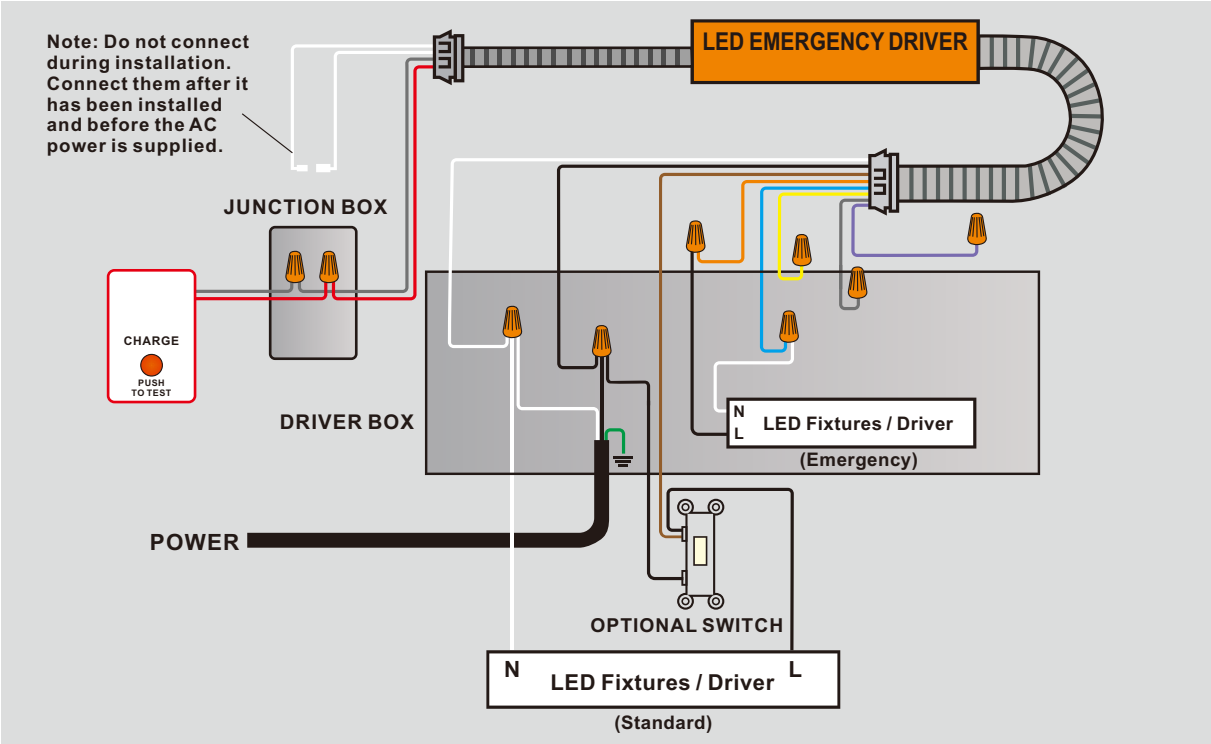
Wiring Diagram



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



Power of luminaire ≤ Power of emergency driver.

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