

Project		Date
Type		
Model		

EMBE3 LED Emergency Driver

PRODUCT DESCRIPTION

The Luminoso LED Emergency Back-up battery is UL recognized and allows LED fixtures to be used for both normal and emergency operation. In the event of a power failure, the LED Emergency battery back-up switches to the emergency mode and operates the existing fixture for minimum of 90 minutes, and up to 120 minutes. The unit contains a high-quality Lithium battery, charger, and converter circuit in a single can and is available in different mounting configurations for individual fixture requirements.

OPERATION

When AC power fails, the EMBE3 emergency LED driver switches to emergency mode, operating the LED fixture at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to charging mode.

SELF-TESTING

The EMBE3 is UL listed and are equipped with self-testing functionality.

- Initial Self-test after installation**

It will perform a functional test for 3 seconds after the driver is installed and then perform a second test in 120 minutes to check the wiring and battery output. The indicator will be off or flicker in case of a failure or an error.

- Monthly Self-Test**

EMBE3 will automatically perform a test every 30 days for 3 seconds, diagnosing wiring, and battery output. If the indicator LED is blinking or off, signifies there is a failure.

MOUNTING

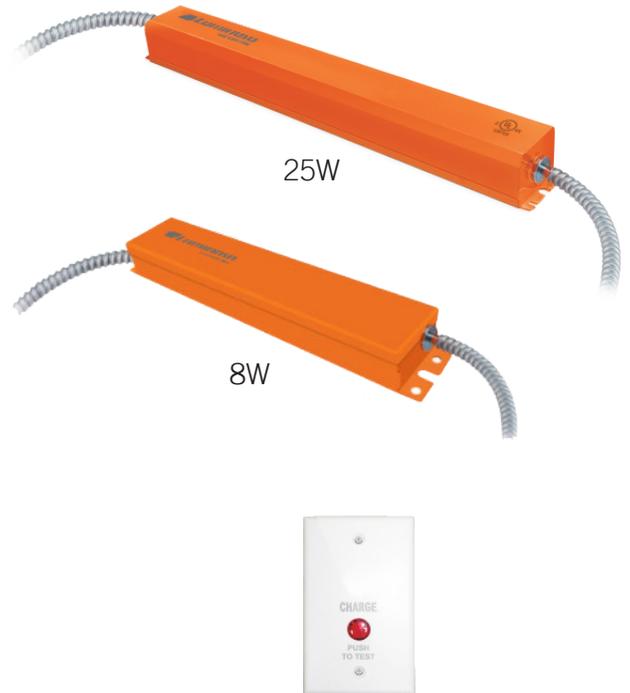
The EMBE3 is available in four different mounting configurations to accommodate various performance requirements and fixture types.

- Dual Flex (standard)**

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



Example: EMBE3-25W-Y



Series	Wattage	Voltage
EMBE3 UL listed LED Emergency Driver	8W: Input: 70mA, 3.2W Output: 15-54V DC, 8W	Y Y = 120-277V
	25W: Input: 110mA, 6W Output: 18-54V DC, 25W	

Enter configuration: _____

** Special Order

EMBE3-8W



Output Power
8 Watts

Output Voltage
15-54V DC

Input Current
70 mA (Max)

Input Power
3.2 Watts (Max)

Input Voltage
100-277VAC, 50-60Hz

Emergency Operation
>90 Minute

Operating Temp.
32°F to 122°F

Battery
Lithium

Recharge
24 Hrs.

Luminaire Load Power
100W (Max)

Dimension
L 10.64" x W 1.98" x H 1.32"

EMBE3-25W



Output Power
25 Watts

Output Voltage
18-54V DC

Input Current
110 mA (Max)

Input Power
6 Watts (Max)

Input Voltage
100-277VAC, 50-60Hz

Emergency Operation
>90 Minute

Operating Temp.
32°F to 122°F

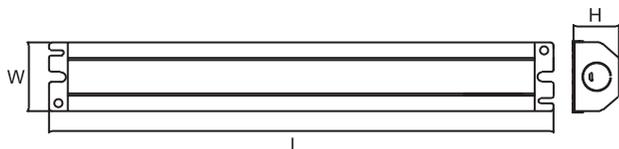
Battery
Lithium

Recharge
36 Hrs.

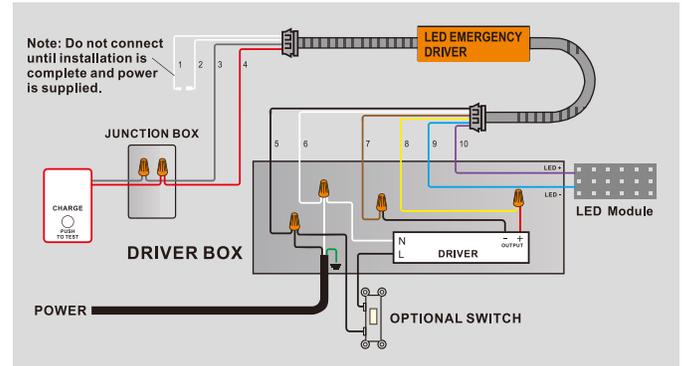
Luminaire Load Power
300W (Max)

Dimension
L 15.4" x W 2.13" x H 1.57"

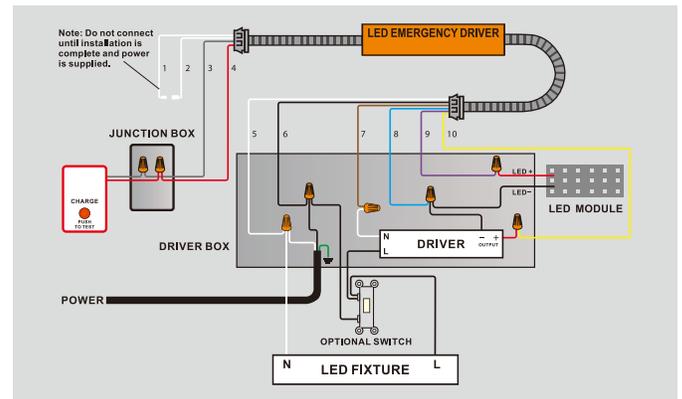
Model	L	W	H
EMBE3-8W	10.64"	1.98"	1.32"
EMBE3-25W	15.4"	2.13"	1.57"



8W / LED Luminaire less than 100W



25W / LED Luminaire less than 100W
Current of yellow wire: 4A (MAX)



25W / LED Luminaire over 100W

