



## EMB WALL Constant Output Emergency Battery

Client:  
Project:  
Type:  
Quantity:

### CONSTRUCTION

Red Metal Casing with separate external battery with quick connector.

### ELECTRICAL

**Universal Input:** 100 ~ 347V AC, 50/60Hz

Input Current: 150mA

Recharge Power: 10W

Output Voltage: 170V DC

Surge Protection: Line-Neutral 3KV

Emergency Power: 8W / 18W



Self Diagnostic Li-ion Battery

Standard Operating Temperature: 5°C ~ 50°C (41°F ~ 122°F)

Cold Weather Option: -20°C ~ 50°C (-4°F ~ 122°F)

Recharge Time: 24 Hours

Discharge Time: 90 Mins

Optional Discharge Time: 120 Mins Extended Capacity Battery

Smart battery built-in over temperature, over charge, over discharge protections.

### SELF-TESTING

The integrated Self-Diagnostic circuitry will automatically conduct monthly 30s and annual 90mins tests to verify proper emergency capability per Life Safety Code requirements.

NFPA 101, Life Safety Code Outlines the following schedule:

**Monthly** - During AC mode, the system conducts a 30s self-discharge test of the emergency led driver every 30 days and automatically restore to normal charging after 30s discharged.

**Annually** - During AC mode, the system conducts a 90mins self-discharge test of the emergency led driver every 365 days and automatically restore to normal charging after fully discharged.

### WARRANTY

5 year warranty, see Limited Warranty for additional information.



**EMB WALL Constant Output Emergency Battery**

**ORDER INFORMATION** **EXAMPLE: EMB-8W-B**

Part	Series	Power	Discharge Time
	<b>EMB</b>		

**A SERIES**

<b>EMB</b>	High Voltage Output Smart Emergency Battery
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**B POWER**

Code	Power	Input Voltage	Output	Operating Temperature
<b>8W-B</b>	8W	100 ~ 347V AC	170V DC	5°C ~ 50°C (41°F ~ 122°F)
<b>18W-B</b>	18W	100 ~ 347V AC	170V DC	5°C ~ 50°C (41°F ~ 122°F).
<b>18W-C-B</b>	18W	100 ~ 347V AC	170V DC	-20°C ~ 50°C (-4°F ~ 122°F)

**C EMERGENCY BATTERY DISCHARGE TIME**

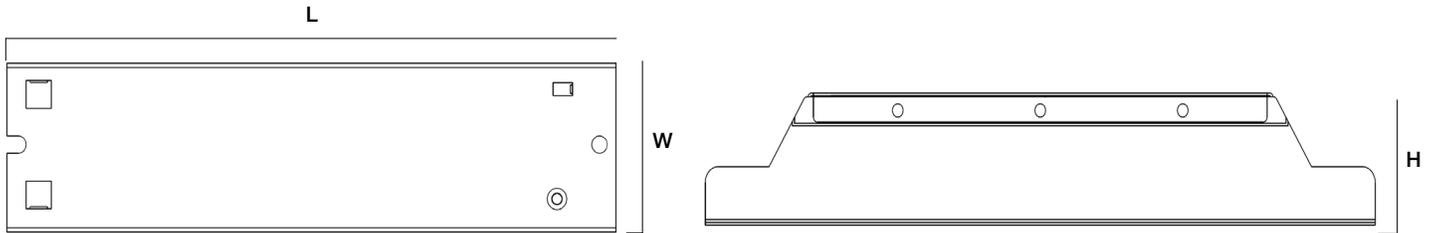
<b>blank</b>	90-Minute Battery (default battery)
<b>E</b>	120-Minute Extended Capacity Battery

**EMB WALL Constant Output Emergency Battery**

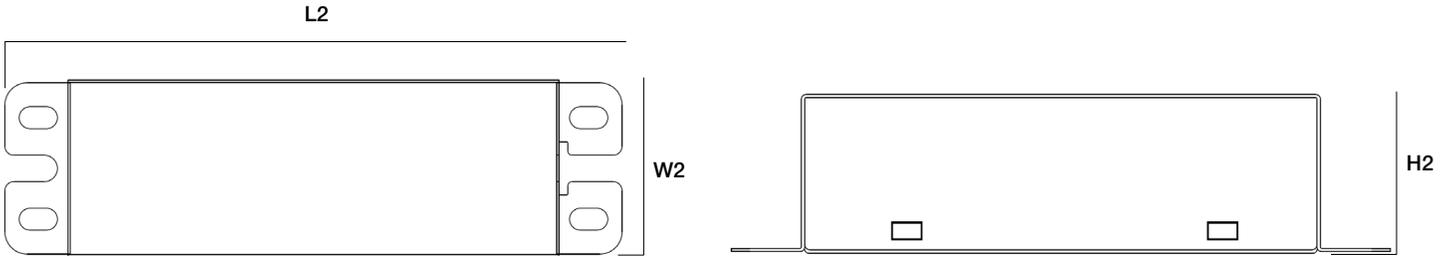
**DIMENSIONS**

MODEL	L	L2	W	W2	H	H2
EMB-8W-B	7.32" (186mm)	4.25" (108mm)	1.50" (38mm)	1.63" (42mm)	.99" (25mm)	.99" (25mm)
EMB-18W-B	7.32" (186mm)	7.07" (179mm)	1.50" (38mm)	1.63" (42mm)	.99" (25mm)	.99" (25mm)
EMB-18W-C-B	7.32" (186mm)	7.07" (179mm)	1.50" (38mm)	2.27" (58mm)	.99" (25mm)	1.29" (33mm)

**DRIVER**

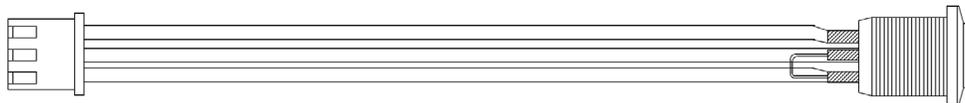


**BATTERY**



**INDICATOR LIGHT and TEST BUTTON**  
 Metal One-Piece Indicator Light

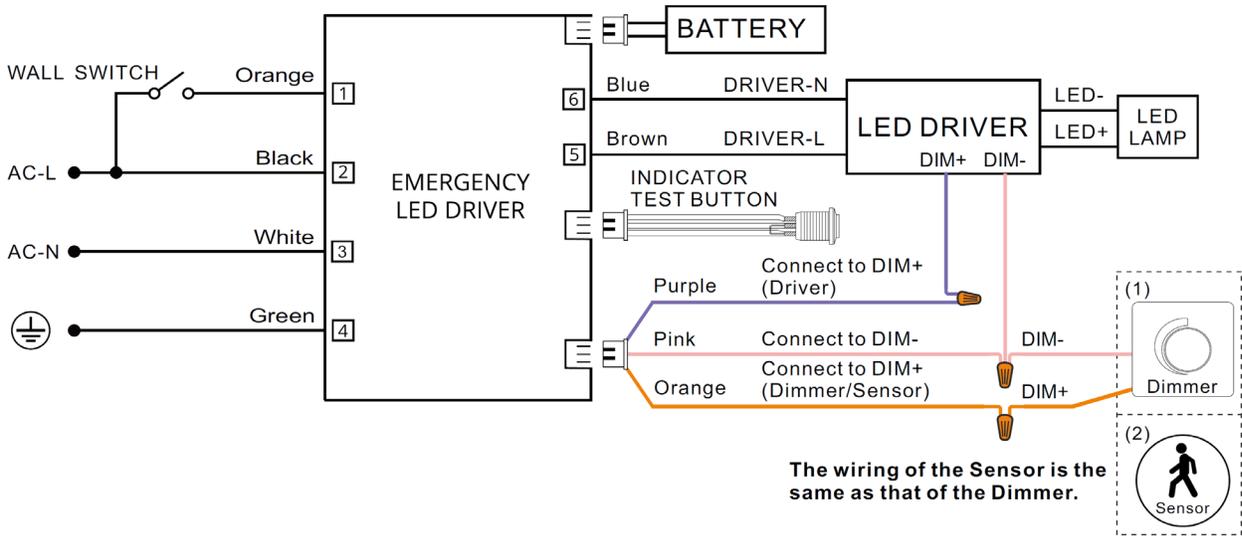
INSTALLATION HOLE SIZE:  
 12mm TEST BUTTON:  $\phi$  .48" (12.2mm)



**EMB WALL Constant Output Emergency Battery**

**WIRING DIAGRAM**

For LED fixture's power is higher than that of emergency LED drivers



For LED fixture's power is less than that of emergency LED drivers

