

## EMB LINEAR HV Constant Output Emergency Battery

Client:  
Project:  
Type:  
Quantity:

### CONSTRUCTION

Red Metal Casing with 13" Metal Flex (1/2" NPSM connector included)

### ELECTRICAL

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

Input Current: 200mA

Recharge Power: 12W

Output Voltage: 170V DC

AUX Output: 12V DC = 0.2A

Surge Protection: Line-Neutral 3KV

Emergency Power: 8W / 18W / 25W / 40W

**High Voltage Input:** 277 ~ 480V AC, 50/60Hz

Input Current: 200mA

Recharge Power: 12W

Output Voltage: 310 ~ 500V DC

AUX Output: 12V DC = 0.2A

Surge Protection: Line-Neutral 3KV

Emergency Power: 20W / 40W

Self Diagnostic Li-ion Battery

Operating Temperature: 0°C ~ 50°C (32°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.



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### ORDER INFORMATION

EXAMPLE: EMB-H08170

| Part | Series | Device Part | Discharge Time |
|------|--------|-------------|----------------|
|------|--------|-------------|----------------|

EMB-H

### A SERIES

|       |                                             |
|-------|---------------------------------------------|
| EMB-H | High Voltage Output Smart Emergency Battery |
|-------|---------------------------------------------|

### B POWER

| Code  | Power | Input Voltage | Output        |
|-------|-------|---------------|---------------|
| 08170 | 8W    | 100 ~ 347V AC | 170V DC       |
| 18170 | 18W   | 100 ~ 347V AC | 170V DC       |
| 40170 | 40W   | 100 ~ 347V AC | 170V DC       |
| 40500 | 40W   | 277 ~ 480V AC | 310 ~ 500V DC |

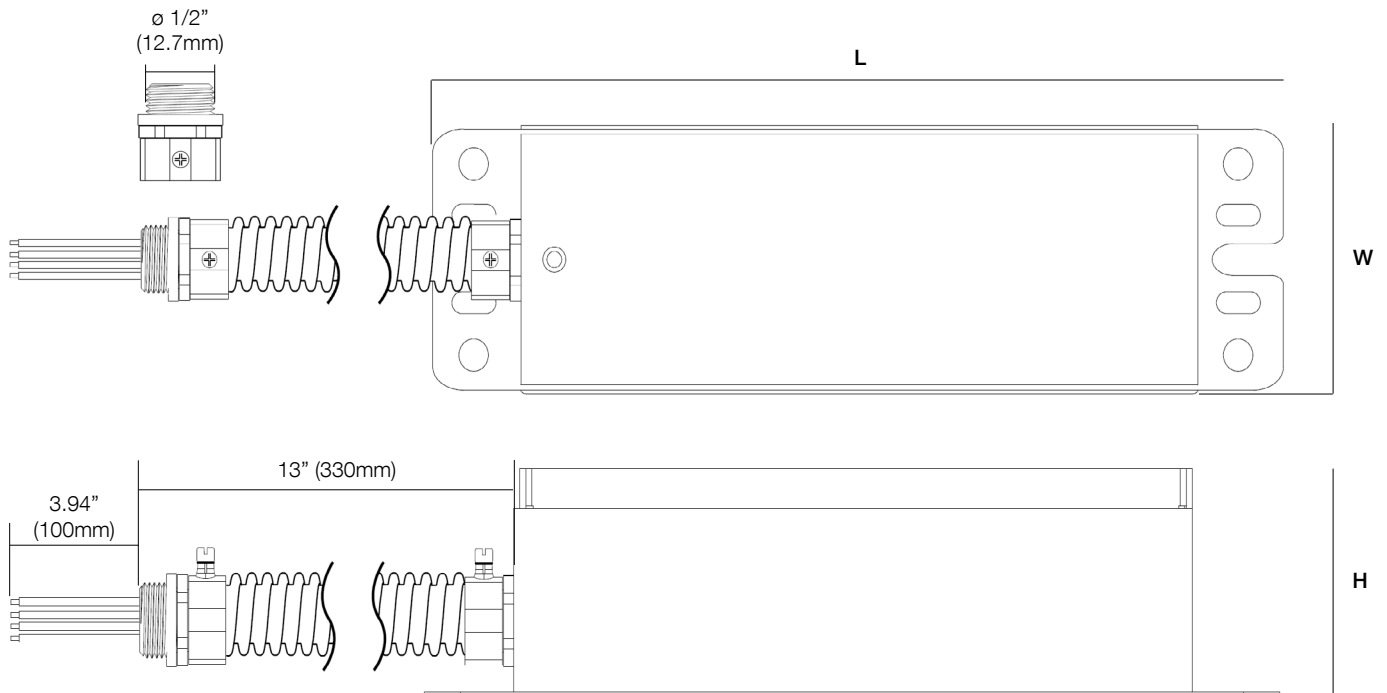
### C EMERGENCY BATTERY DISCHARGE TIME

|       |                                      |
|-------|--------------------------------------|
| blank | 90-Minute Battery (default battery)  |
| E     | 120-Minute Extended Capacity Battery |

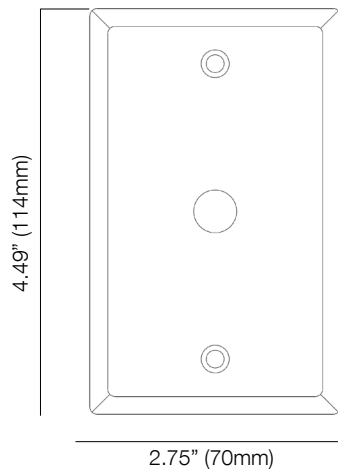
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### DIMENSIONS

| MODEL                    | L              | W            | H            |
|--------------------------|----------------|--------------|--------------|
| EMB-H08170<br>EMB-H18170 | 13.59" (345mm) | 1.54" (39mm) | .99" (25mm)  |
| EMB-H40170               | 12.33" (313mm) | 2.33" (59mm) | 1.82" (46mm) |
| EMB-H40500               | 12.33" (313mm) | 2.33" (59mm) | 1.82" (46mm) |

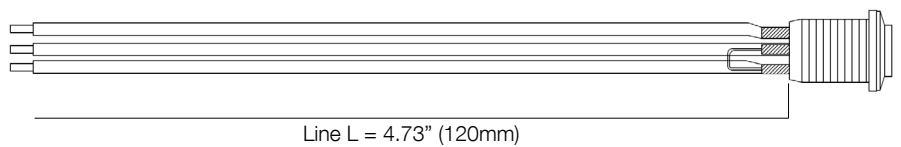


### FACE PLATE



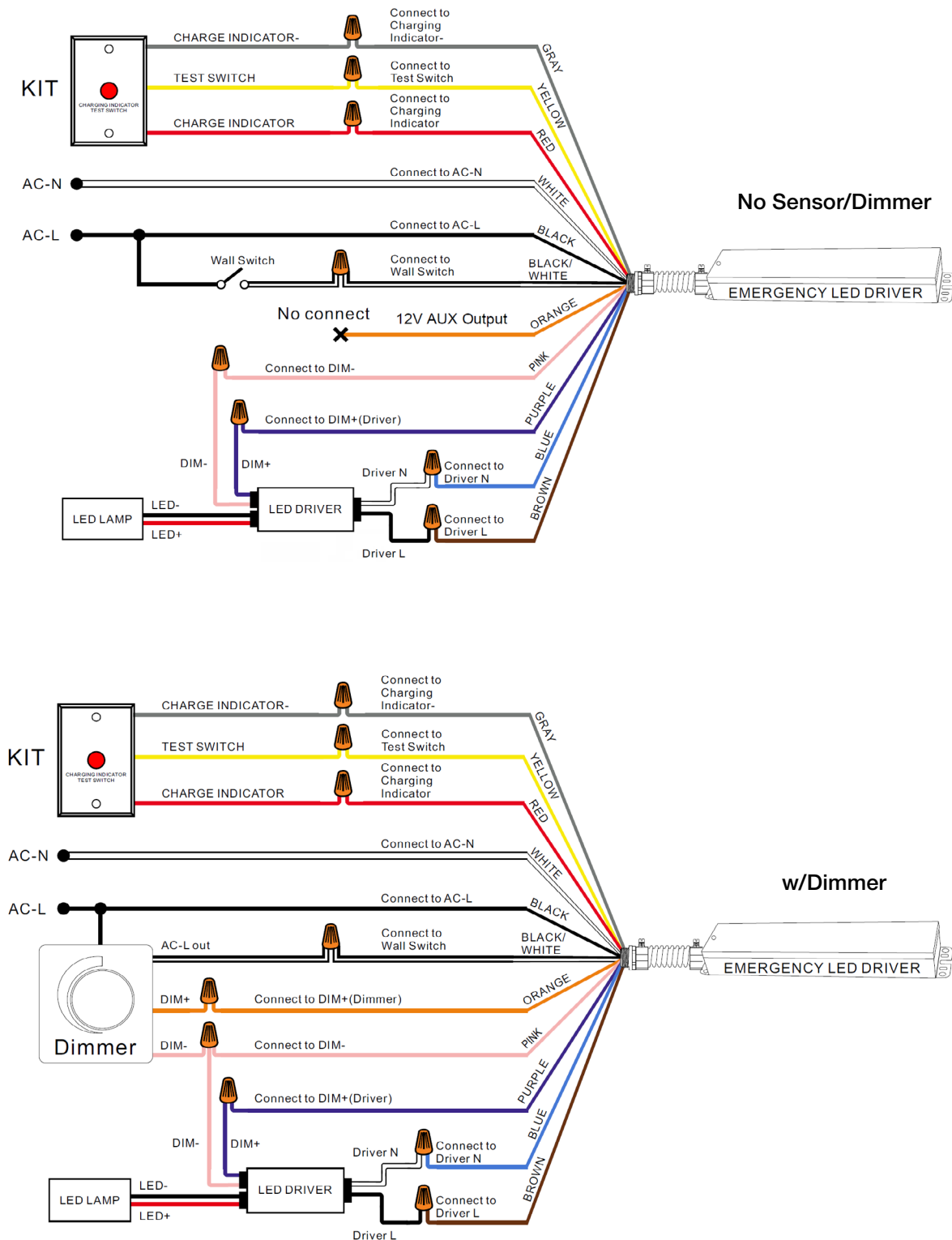
### TEST SWITCH Metal One-Piece Indicator Light

INSTALLATION HOLE SIZE:  
 $\phi .48"$  (12.2mm)  
 TEST SWITCH:  $\phi .47"$  (12mm)



## EMB LINEAR HV Constant Output Emergency Battery

### WIRING DIAGRAM



## EMB LINEAR HV Constant Output Emergency Battery

### WIRING DIAGRAM (CONTINUED)

