

EM-HBM

Highbay Emergency Driver



Applications: Round and linear suspended highbays

PERFORMANCE SUMMARY

LED Emergency Battery Backup for Sunled round or linear highbay lights. This emergency power supply provides up to 90 minutes of backup power in the case of power loss and emergency.

25 or 40W 120-347VAC input emergency battery backup inverter with 170VDC output. This compact design is a contractor favorite featuring a quick and easy installation with a single junction both for mains and backup power

Features

- Single input mains services both normal and emergency output
- Constant power output in emergency mode.
- One piece design with IP65 steel housing
- 2 in 1 waterproof LED test switch and indicator light included, 2.4G wireless mode as optional
- Evaluated to UL 924 requirements

Operation

Normal Supply

During normal AC supply conditions the LED driver load will operate as usual and emergency driver remains in charging mode

Emergency Mode

When AC power fails the driver automatically switches to emergency mode, keeping the LED load illuminated at a reduced lumen output for a minimum of 90 minutes. During this time, the indicator will flash slowly (light on for 2 seconds, off for 2 seconds). When AC power is restored, it will return to charging mode and the indicator light remains on

Emergency Indicator

Status and the indicator light remain on when supply is healthy. When test button is pressed, the driver will switch into emergency mode at a reduced lumen output for 30 seconds. During this time the indicator will flash slowly and recover into normal AC operation after 30 seconds

Self Diagnostic

The contain a control/monitor circuit which will perform a 30-second discharge test once a month and a full 90-minute discharge test once a year. At this time, the unit simulate an AC power failure and automatically switch to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage, and emergency duration, if the unit detect any problems, the indicator will flash quickly

Specification

Input Voltage: 120-347VAC 50/60Hz

Input Power: 10W Max

Output Voltage: 170VDC

Output Current: 0.1A

Power Factor: 0.85

EMI (Radiated and Conducted): FCC Class A Charge and EM Modes

Surge protection: Meets ANSI/IEEE C62.41.2-2002

Approval: cUL Listed for Factory and Field Installation

Emergency Operation: 90min

Operating Temp: 23° to 131°F

Battery: Li ION



ORDERING CODE

EM-HBM cat. 25 WW

EM-HBM Emergency Series

EM-HBM Highbay Emergency

25 Output

25 25W/170VDC

0-150W Driver

40 40W/170VDC

150-300W Driver

WW Test Switch

WW Wired

WL 2.4GHz Remote

Compliance

UL 924 Damp Location Listed

NFPA 101 Life Safety Code

NFPA 70 National Electrical Code

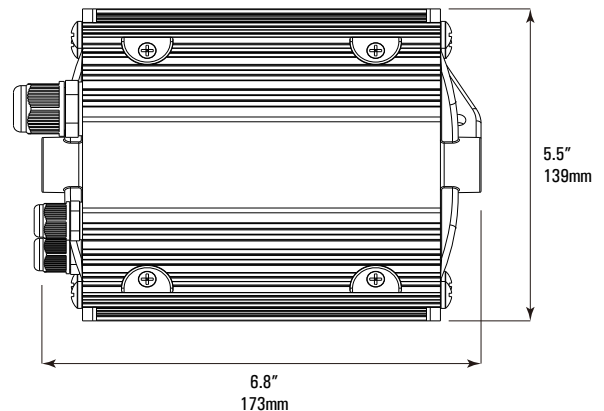
Illumination

EM-HBM provides 25W or 40W lumen output during emergency illumination for a minimum of 90 minutes.

DIMENSIONS

Weight: (May vary with accessories)

5.5lbs (2.5kg)

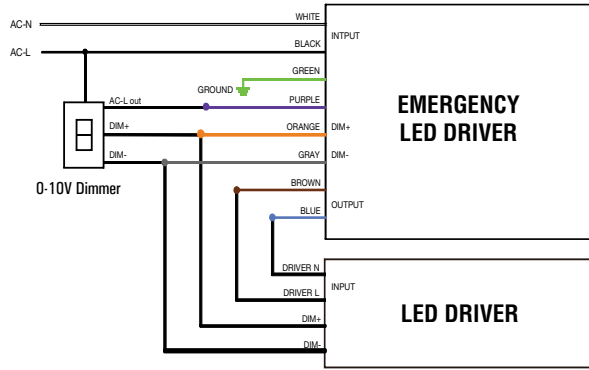


EM-HBM

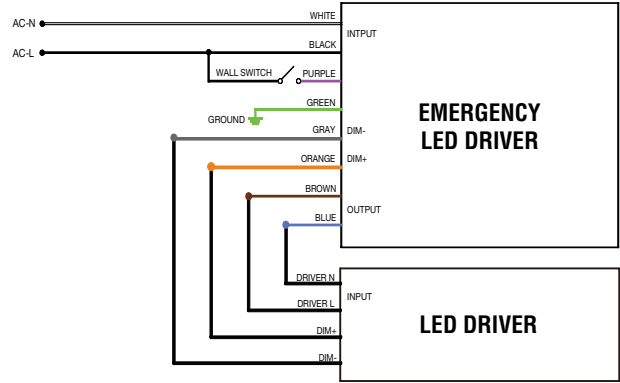
Highbay Emergency Driver

WIRING DIAGRAM

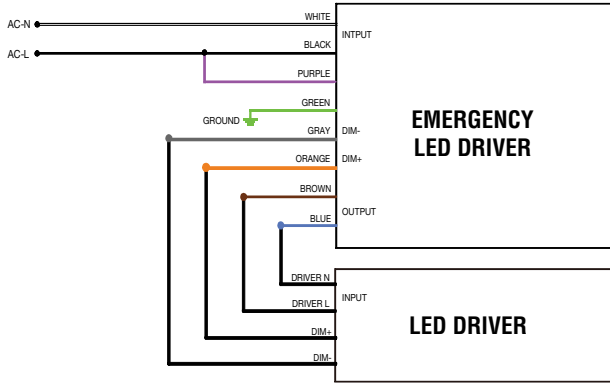
With Dimmer



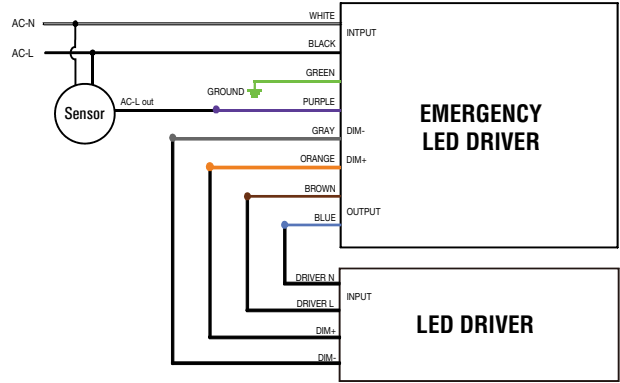
Without Dimmer



Without Switch & Dimmer



With Sensor



INSTALLATION

