

EM-WPA

External Emergency Driver



Applications: Canopy fixtures, wallpacks, general external lighting, public spaces, high vandal areas

PERFORMANCE SUMMARY

The EM-WPA series emergency LED driver from is for field and factory installation that allows any Sunled 0-10V dimmable fixture to be used for both normal and emergency operation.

The unit contains a battery charger in IP67 sealed polycarbonate enclosure and inverter that operates a load of 8W, 18W or 30W with constant power at a rated output voltage of 170VDC. The patented constant power circuitry of the module maintains uninterrupted illumination levels during power failure

Features

- UL 924 Listed for U.S. and Canada
- Constant power output in emergency mode
- One piece design with IP67 vandal resistant polycarbonate housing
- Long-life, maintenance-free, high temperature recyclable Lithium Battery
- Rated for use in plenums, damp locations, enclosed and gasketed fixtures

Self Diagnostic

The integrated self-diagnostic circuitry will automatically conduct 1 monthly 30 second and annual 90 minute 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 restores to normal charging after full discharge

Annually

During AC mode, the system conducts a 90 minute self discharge test of the emergency led driver every 365 days and automatically restores to normal charging after 30 seconds discharge

Specification

Input Voltage: 120-347VAC 50/60Hz
 Input Power: 120-347VAC 7W Max
 Output Voltage: 170VDC
 Output Power: 8,18,30W
 Power Factor: 0.85
 EMI Radiated/Conducted: FCC Class A Charge and EM Modes
 Surge Protection: Line-Neutral 3kV
 Emergency Operation: 90 minutes
 Charge Time: 24hr Recharge
 Ambient Temperature: 0°C to +50°C (30°F to 122°F)
 Approval: cUL Listed for Factory and Field Installation



ORDERING CODE

EM-WPA cat. 18 WW

EM-WPA Emergency Series

EM-WPA External Emergency Driver

18 Output

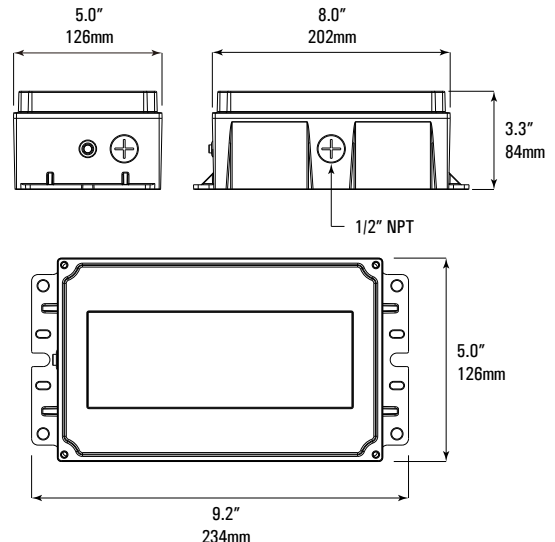
8 8W/170VDC
Up to 100W Driver
 18 18W/170VDC
Up to 200W Driver
 30 30W/170VDC
Up to 300W Driver

WW Test Switch

WW Wired
 WL 2.4GHz Remote

DIMENSIONS

Weight: (May vary with accessories)
 3.7lbs (1.7kg)



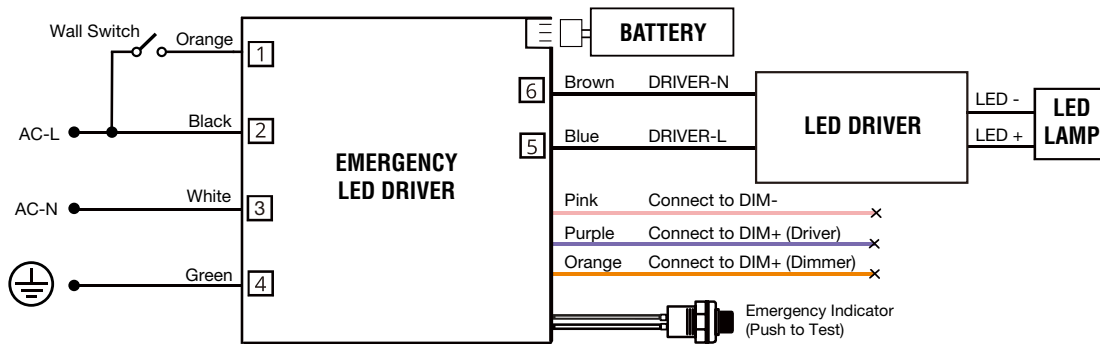
EM-WPA

External Emergency Driver

WIRING DIAGRAM

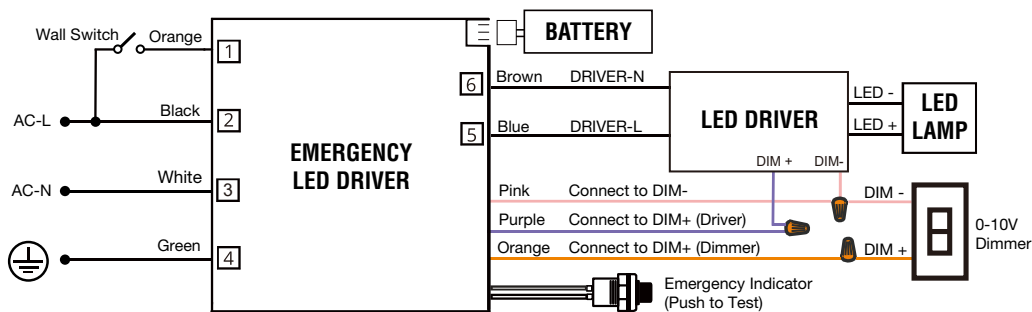
LED Fixture < Emergency Driver

Model No	Input Voltage	Input Power	Input Current	Output Voltage	Output Power	Application
EM-WPA-8W	100-347VAC	7W Max	< 100mA	170VDC	8W	< 8W Fixture With No Dimming
EM-WPA-18W	100-347VAC	7W Max	< 100mA	170VDC	18W	< 18W Fixture With No Dimming
EM-WPA-30W	100-347VAC	7W Max	< 100mA	170VDC	30W	< 30W Fixture With No Dimming



LED Fixture > Emergency Driver

Model No	Input Voltage	Input Power	Input Current	Output Voltage	Output Power	Application
EM-WPA-8W	100-347VAC	7W Max	< 100mA	170VDC	8W	< 100w Fixture 0-10V Dimming
EM-WPA-18W	100-347VAC	7W Max	< 100mA	170VDC	18W	< 200w Fixture 0-10V Dimming
EM-WPA-30W	100-347VAC	7W Max	< 100mA	170VDC	30W	< 300w Fixture 0-10V Dimming



INDICATOR OPERATION

Mode	Test Switch	Wireless Remote	Indicator Status	Solution
AC Mode 1	Not Pressed	Not Pressed	On Not Flashing	Driver Charging
AC Mode 2	Pressed Once	Pressed Button A Once	2s On 2s Off	30s Short Term Test
AC Mode 3	Pressed 2x In 2s Sequence	Pressed Button B Once	2s On 2s Off	Long Term Test To Discharge
Emergency Mode 1	Not Pressed	Not Pressed	2s On 2s Off	Emergency Mode To Discharge
Emergency Mode 2	Pressed Once	Pressed Button A Once	Off	Driver Is Off
Problem	When indicator flashes 0.2s on and 0.2s off or turns off the emergency backup is damaged and should be replaced			