



LED Full-Cutoff Wall Pack - WP28

3-IN-1, Photocell ON/OFF, Wattage Adjustable & CCT selectable

W Emergency Battery for Cold Temperature



Description

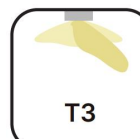
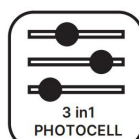
E2's new LED full-cutoff wall packs are your first choice for wall-mounted lighting projects. 3 IN 1 switch is selectable for CCT, wattage, and photocell ON/OFF control. D2D photocell can automatically turn off at sunrise or during the day, and automatically light up at sunset or night. It is a highly efficient lighting solution that provides long-lasting and energy-saving.

Application

- Factory
- Warehouse
- Walkways
- Hallways
- Outdoor Commercial
- Outdoor Residential

Certificate

- UL
- DLC



Key Features

- High efficacy up to 170 lm/W.
- 3CCT(3000/4000/5000K) and 4 Wattages Selectable offer SKU reduction.
- AC120-277V & AC120-347V for options.
- Professional optical design meets the DLC full cut-off wall pack standard.
- ADC12 Aluminum die-casting housing provides excellent heat dissipation.
- Automated Dusk to Dawn photocell functionality.
- Microwave motion sensor and emergency driver available.
- Waterproof rated IP65.

Die-cast aluminum housing

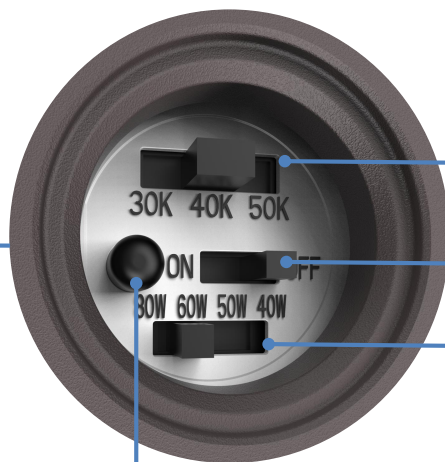
Durable housing provides good heat dissipation.

1/2" Knockouts

Optical polycarbonate lens

DLC Standard Full cut-off wall pack.

Microwave motion sensor (Zhaga receptacle)



Field-adjustable CCT

3CCT Selectable: 3000K/4000K/5000K.

Photocell ON/OFF

Field-adjustable wattage

4 Wattage selectable.

Built-in photocell

Performance Summary

Model NO. #	Size	Watts	3 CCT	LPW	Lumens(±10%)	Voltage	Dim	CRI	Beam Angle
WP28-14-80L-S2D4C3-EM	14"	40/50/60/80W Selectable	3CCT Selectable 3000K 4000K 5000K	170lm/W	13600LM @80W	AC120-277V	0-10V driver	>80	Type III
WP28-14-80L-S2D4C3	14"	40/50/60/80W Selectable			13600LM @80W				

Remarks: 1. All above efficacy and lumens are subject to CRI>80 @4000K, please check IES files for accurate data.

2. WP28-X-XXZ-AD4C3, X denotes size; Z denotes voltage, L=AC120-277V, M=AC120-347V; A denotes function, S2 = photocell, M2 = photocell and emergency driver, S = microwave motion sensor, M = microwave motion sensor and emergency driver; D4C3 denotes 0-10 V dimming driver, 4 wattage, and 3 CCT selectable.

3. CCT & Power Selectable models ship preset at the highest CCT and the highest wattage. Factory default settings for Photocell is ON.

Performance

- LED Type: SMD2835
- THD: <20%
- Surge Protection: L/N 6KV, L/N-P 6KV
- Frequency: 50/60HZ
- IP Rating: IP65
- L-N/L&N-PE:4+6KV (120-277V, 40W)
- Power Factor: ≥0.90
- Life Time: L70 @ 50,000Hrs
- Operating Temp.: -40°F to 122°F (-40°C to +50°C) for Standard,
- Cold Temperature: 8W -22°F to 140°F (-30°C to +60°C) for EM version

Construction

- Lens: Polycarbonate
- Housing: Die-cast aluminum
- Finish: Bronze, Custom finishes available

Mounting

- Wall Mount
- Five 1/2" knockouts: one on each side for convenient installation

Accessories (Sold separately)

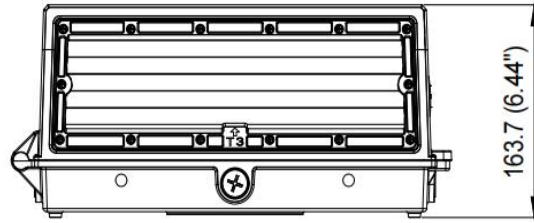
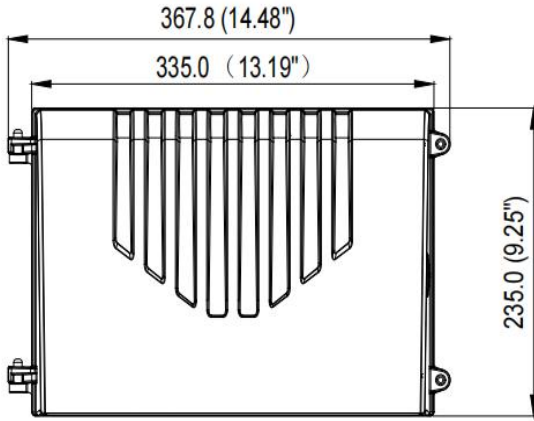
Picture	Item #	Description
	ANT-5-ZT	Sharkward Zhaga Microwave Motion Sensor
	ANT-5-ZT-BLE-GE	Sharkward Zhaga Bluetooth Microwave Motion Sensor
	RC-100	Sharkward Remote controller
	EMX-08058DO-HC 8W	Emergency driver, 14" 60W-120W fixture

Packing Info.

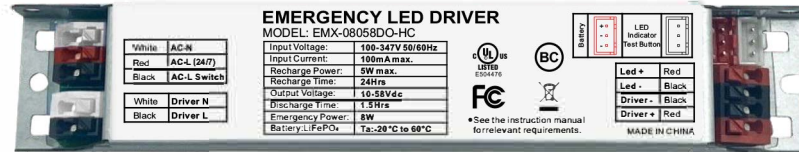
Product Size (inch&mm)	Product & Package Weight (KG)		Carton Size (inch&mm)	Q'ty/CTN (PCS)	20GP (PCS)	40HQ (PCS)
	N.W./PC	G.W./CTN				
14" 14.18*9.25*6.44" 367.8*235.0*163.7mm	2.7	3.5	16.73*11.42*8.54" 425*290*217mm	1	1030	2365

Product Dimension

(unit: mm & inch)



Low Temperature Emergency LED Driver



FEATURES

- UL Listed for US and CANADA
- Listed to UL924 and tested to CSA C22.2 NO.141 Field or factory installation
- Low energy consumption CEC Title20 compliance
- High output voltage
- Constant output power
- Self-testing
- Battery: Over Charge Protection
Over Discharge Protection
- Malfunction indicate function
- For wiring to the led driver's DC output

SPECIFICATIONS

- Input Voltage: 100-347Vac, 50/60Hz
- Input Current: 100mA max.
- Recharge Power: 5W max.
- Output Voltage: 10-58/50-300Vdc
- Emergency Power: 8W
- Recharge Time: 24Hrs
- Discharge Time: 1.5Hrs
- Warranty: 5 Years
- Battery: LiFePO₄
- Ambient Temp: -22 to 140°F (-30-60°C)
- Weight: 0.88 lbs (0.4kg) max.
- Surge Protection: Live-Neutral 3KV

SPECIFICATION CHART

Models	Emergency power	Output Voltage
EMX-08058DO-HC	8 Watts	10~58Vdc
EMX-08300DO-HC	8 Watts	50~300Vdc

NOTE-Power of the **EMX** selected must not exceed the power of A.C. driver from led fixture.

SELF-TESTING

The integrated Self- Diagnostic circuitry will automatically conduct monthly 30-second and annual long discharge test to verify proper emergency capability per Life Safety Code requirements.

- **Monthly**- During AC mode, the system conducts a (30)seconds self-discharge test of the emergency led driver every 30 days. And automatically restore to normal charging state after (30)seconds.
- **Annually**- During AC mode, the system conducts a (90)minutes self-discharge test of the emergency led driver every 365 days. And automatically restore to normal charging after fully dis-charged.

INSTALLATION MANUAL

!!! IMPORTANT SAFEGUARDS !!!

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTION SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING

READ AND FOLLOW ALL SAFETY INSTRUCTION

1. **CAUTION-** This emergency driver provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both normal and emergency source by turning off the A.C. branch circuit and by disconnecting the battery on/off connector.
2. **CAUTION-** Servicing of this equipment should be performed by qualified personnel only.
3. **CAUTION-** Do not attempt to service the battery. A sealed, no-maintenance battery is used that is not field replaceable. Replace the entire unit when necessary.
4. **CAUTION-** The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition, void warranty, and result in non-compliance with specifications.
5. **CAUTION-** The emergency driver requires an un-switched AC power source of **100-347Vac**, 50/60Hz. Verify the correspondent electrical rating at the **LED fixture before servicing**. Both of the electrical rating will supply power under an output voltage of 10-58/50-300VDC in emergency mode for at least 90 minutes.
6. **CAUTION-** Battery pack should be charged for 24 hours every 6 months during storage.
7. **CAUTION-** Disconnect the battery pack before shipping and storing.
8. Battery in this unit may not be fully charged. After electricity is connected to the unit for at least 24 hours, then normal operation of this unit should take effect.
9. For use in -20°C minimum, 60°C maximum ambient temperatures.
10. When use soft panel test button with glue on the backside, pls paste on the visible palce with smooth and clean surface.
11. The emergency driver should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
12. For led fixture power higher than or equal to rating of the emergency driver emergency batterypack .
13. Do not use this equipment for anything other than its intended use. Equipment only use for LED Lighting emergency backup.
14. Do not mount near gas or electric heaters. Do not let power supply cords touch hot surfaces.
15. Do not make or leave any other open holes in the wiring enclosure or electrical component enclosure during installation.
16. The equipment is intended for ordinary locations and for permanent installation into one or more Listed emergency luminaires.
17. Do not use outdoor.

**Caution: Before Installation, Make Certain The A.C. Power is Off !**

STEP 1: INSTALLING THE EMERGENCY LED DRIVER

- > Make certain the A.C. power is off.
- > Indicator light and test button should be mounted where can be seen by the maintenance personnel.
- > Determine appropriate location for emergency driver in the fixture. Install the emergency driver to the fixture using existing mounting holes in the fixture. The installation instruction of LED luminaire may provide guidance on mounting location.

STEP 2: WIRING

- > Select the appropriate wiring diagram as reference. For other diagrams, consult the manufacturer.
- > Make sure all connections are accordance with any local regulations.
- > Connect the mounting holes to the A.C. driver and LED load in accordance with manufacture's installation instructions.

STEP 3: TESTING

- > After wiring is completed, switch the A.C. power on. Then the charging indicator light should be illuminated, which indicate the battery is charging.
- > The battery in this unit may not be fully charged. A short-term discharge test may be conducted after the mounting holes has been charging for 1 hour. Charge for 24 hours before conducting a long-term discharge test.



THIS PRODUCT CONTAINS A RECHARGEABLE LITHIUM-ION BATTERY. THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY TO PREVENT FIRE.