



EPE-3W-EM

LED Emergency Downlight

CE CB  RoHS



INTRODUCTION

EPE-3W-EM Emergency down light is controlled by smart IC, with self-test function. Two optional lens (oval&round shape) for different applications. It has removable front cover design, adapter ring available. With external driver and external battery in separated, convenient for maintenance.

FEATURES

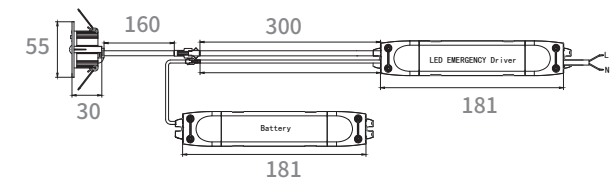
- Oval lens for escape route application.
- Round lens for open area application.
- LiFePO4 battery, long life time.
- High power & efficiency LED.
- 80mm adapter ring for bigger cuthole included.

Black / White

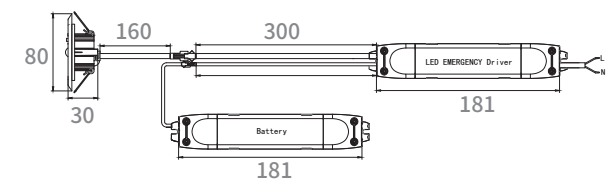


Dimensions unit:mm

55mm trim plate



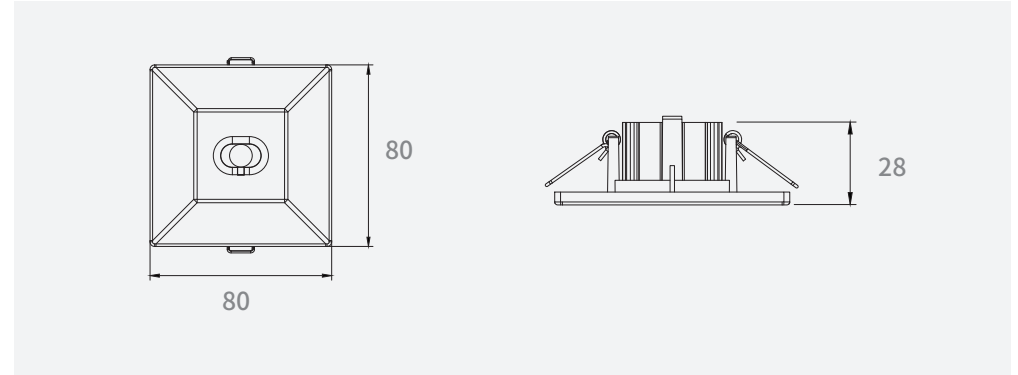
80mm trim plate



Square Trim Plate



Dimensions unit:mm



Model List

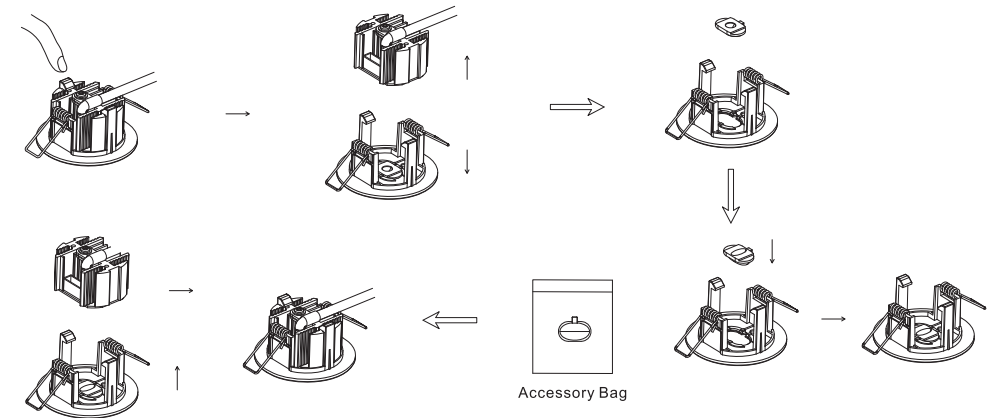
Model	Input Voltage	Power Consumption	Output Power	Charge Duration	Discharge Duration	Battery	Test Mode
EPE-3W-EM-MT-1H	200-240VAC 50/60Hz	3W Max	2W Max	24H	1H	LiFePO4 6.4V600mAh	Manual Test
EPE-3W-EM-MT-3H	200-240VAC 50/60Hz	3W Max	2W Max	24H	3H	LiFePO4 6.4V1500mAh	Manual Test
EPE-3W-EM-AT-1H	200-240VAC 50/60Hz	3W Max	2W Max	24H	1H	LiFePO4 6.4V600mAh	Auto Test
EPE-3W-EM-AT-3H	200-240VAC 50/60Hz	3W Max	2W Max	24H	3H	LiFePO4 6.4V1500mAh	Auto Test

Driver Datasheet

Model	EPE-3W-EM
Power	3W
Rated Input Voltage(V)	AC230V
Frequency	50/60Hz
Input Voltage	AC200-240V
Efficiency	≥70%
Total load wattage	3W Max
Power Factor	≥0.5
Rated Input Current	≤0.02A
Full load output voltage	DC2.8-3.2V
Rated output current	600mA(1H/3H)
Output current range	600mA±10%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	—
Surge	0.5KV
Withstand voltage	AC3750V

Finishing color	White RAL 9016
Material	Aluminum+PC
Glow wire test (°C)	COVER:850°C / LENS:650°C
Operating Temp.(°C)	0°C ~45°C
Storage Temp.(°C)	0°C ~65°C

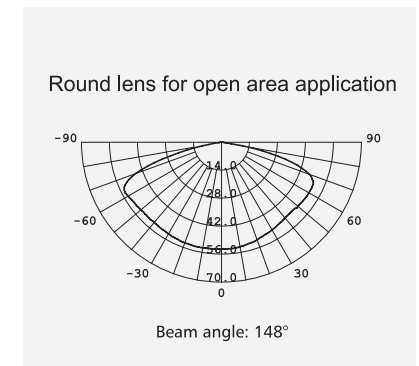
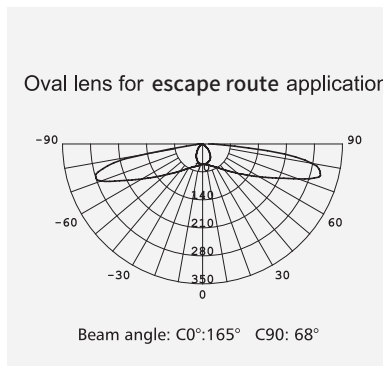
Change Lens (Optional)



Technical Datasheet

Model	EPE-3W-EM	
LED	SMD LED 3535	
CCT(K)	5000K	
"Luminous Flux(lm) ±10%"	Non-DIM	240lm(1H/3H)
CRI	>70	
LED Driver	Built-out	
Protection Class	Class II	
IP Rating	IP20	

Photometric Data



Instructions for automatic test option

1.Once the unit is powered up it will automatically initiate a self test and diagnostics as follows:

- Every 4seconds: Checks for battery disconnection,charger board fault,lamp fault and transfer fault.
- Every month: Performs a 3minutes duration test.
- Every year:Performs a 1 hour or 3 hours duration test.

All test functions are factory preset and do not need field adjustment.

2.Dual Colour Indicator LED Status Mesnings

- Green Solid On Ready/Normal Operation
- Red Requires Service

•	One flashes, 4 seconds pause	Battery not connected
••	Two flashes, 4 seconds pause	Low battery voltage
•••	Three flashes, 4 seconds pause	Charger board fault
••••	Four flashes, 4 seconds pause	AC/DC transfer fault
•••••	Five flashes, 4 seconds pause	LED lamp fault

NOTE:After repairing a service fault,press and hole the test button for 2 seconds to reset the flashing indicator light to green.

3.Manual Testing

Press test button once	30 seconds duration test
Press test button twice within 2 seconds	3 minutes duration test
Press test button 3 times within 2 seconds	30 minutes duration test
Press test button 4 times within 2 seconds	1 hour or 3 hours duration test



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