



LED Emergency Downlight

EPE-EM2

Introduction



◀ EPE-EM2 LED emergency down light is controlled by smart IC, with self-test function. 3W for standard and 6W for high output model. It is All In One type including open area and corridor lens, recessed and surface(option) mounting way. Using the simple line and elegant element, EPE-EM2 has the ability to transcend ordinary design, as well as product quality.

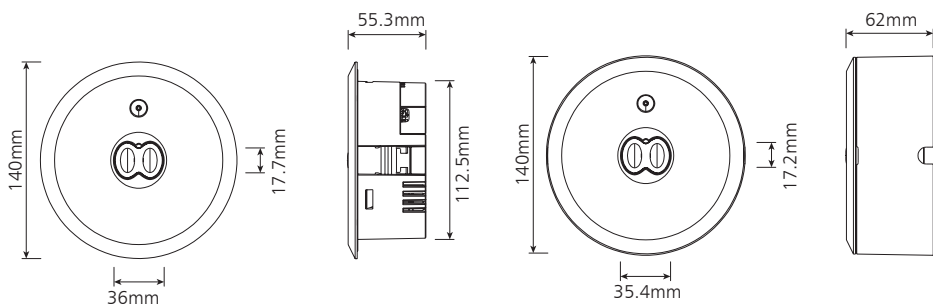
Features

1. Oval lens for pathway application.
2. Round lens for open area application.
3. Smart IC control.
4. Li battery, long life time.
5. High power & efficiency LED.

Application Areas

It is designed for emergency lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.





Measurement

Model	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
EPE-EM2-3W	0.5	0.57	15	17	45*34*31.5	30pcs	17670	40440
EPE-EM2-6W	0.6	0.67	18	20	45*34*31.5	30pcs	17670	40440

Technical Data Sheet

Model No.		EPE-EM2	
Watt(W)		3W	
Rated Input Voltage(V)		AC230V	
Input Voltage(V)		AC220-240V	
LED		SAMSUNG 3535	
CCT(K)		5000K	
"Luminous Flux (lm) ±10%"	Non-DIM	250	400
CRI		>70	
LED Driver		Built-in	
Protection Class		Class II	
IP Rating		IP20	
IK Rating		-	
Finishing color		White / Black	
Material		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	

Model List

Type	Input Voltage	Power Consumption	Charge Duration	Discharge Duration	Battery	Test Mode
EPE-EM2-3W-AT-1H	220-240V	3W Max.	24H	1H	LiFePO4 6.4V600mAh	Auto Test
EPE-EM2-3W-AT-2H	220-240V	3W Max.	24H	2H	LiFePO4 6.4V1500mAh	Auto Test
EPE-EM2-3W-AT-3H	220-240V	3W Max.	24H	3H	LiFePO4 6.4V1500mAh	Auto Test
EPE-EM2-3W-MT-1H	220-240V	3W Max.	24H	1H	LiFePO4 6.4V600mAh	Manual Test
EPE-EM2-3W-MT-2H	220-240V	3W Max.	24H	2H	LiFePO4 6.4V1500mAh	Manual Test
EPE-EM2-3W-MT-3H	220-240V	3W Max.	24H	3H	LiFePO4 6.4V1500mAh	Manual Test
EPE-EM2-6W-AT-1H	220-240V	6W Max.	24H	1H	LiFePO4 9.6V600mAh	Auto Test
EPE-EM2-6W-AT-2H	220-240V	6W Max.	24H	2H	LiFePO4 9.6V1500mAh	Auto Test
EPE-EM2-6W-AT-3H	220-240V	6W Max.	24H	3H	LiFePO4 9.6V1500mAh	Auto Test
EPE-EM2-6W-MT-1H	220-240V	6W Max.	24H	1H	LiFePO4 9.6V600mAh	Manual Test
EPE-EM2-6W-MT-2H	220-240V	6W Max.	24H	2H	LiFePO4 9.6V1500mAh	Manual Test
EPE-EM2-6W-MT-3H	220-240V	6W Max.	24H	3H	LiFePO4 9.6V1500mAh	Manual Test

Driver Datasheet

Power	3W	6W
Rated Input Voltage(V)	AC230V	
Frequency	50/60Hz	
Input Voltage	AC220-240V	
Efficiency	≥80%	
Total load wattage	3W±0.5W	6W±0.5W
Power Factor	≥0.5	
Rated Input Current	≤0.08A	
Full load output voltage	DC2.8-3.2V	DC5.6-6.4V
Rated output current	600mA	500mA
Output current range	600mA±5%	500mA±5%
Power tolerance	5%	
Current output tolerance	5%	
Short circuit protection	PASS	
Over voltage protection	PASS	
Over temperature protection	PASS	
THD	-	
Surge	0.5KV	
Withstand voltage	AC3750V	

Instructions for automatic test option

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

- Every 4 seconds: Checks for battery disconnection, charger board fault, lamp fault and transfer fault.
- Every month: Performs a 3 minute 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 Meanings

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

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

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

3. Manual Testing

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