

IP65

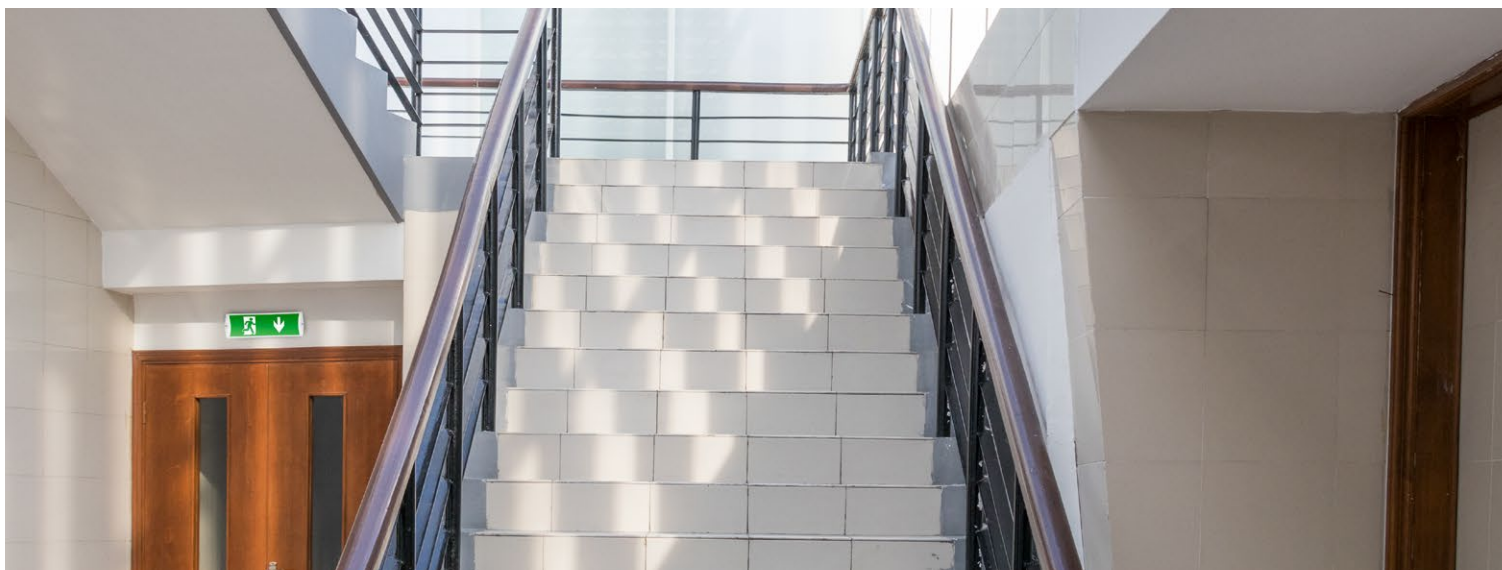
SMD  
LED



# EPE-EM3

## LED Emergency Bulkhead

- Optional interchangeable legends
- Efficient and reliable LED light source
- Suitable for ceiling or wall mount
- Various technology options available



# Introduction

EPE-EM3 LED emergency bulkhead is controlled by smart IC, with self-test function. It has two different output which is adjustable at field. Left, right, up, down direction arrow pictogram legend is optional. Using the simple line and elegant element,EPE-EM2 has the ability to transcend ordinary design,as well as product quality.

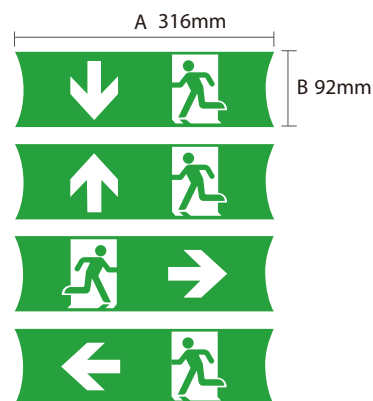
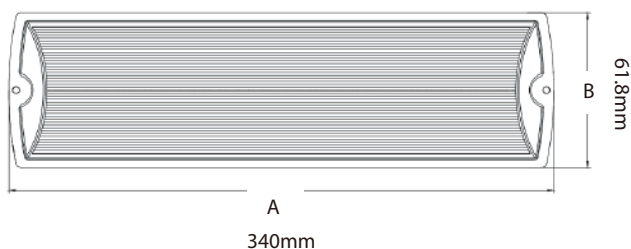
## Features

1. Optional interchangeable legends.
2. IP65 waterproof rated.
3. Suitable for wall & ceiling mount
4. LiFePO4 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.

## Product Dimension



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-EM3	0.6	0.7	7	9	36.5*35*24	10pcs	6750	14250

Model List

Type	Input Voltage	Power Consumption	Charge Duration	Discharge Duration	Battery	Test Mode
EPE-EM3-ST-MT-1H	200-240V	3W Max.	24H	1H	LiFePO4 6.4V600mAh	Manual Test
EPE-EM3-ST-MT-3H	200-240V	3W Max.	24H	3H	LiFePO4 6.4V1500mAh	Manual Test
EPE-EM3-ST-AT-1H	200-240V	3W Max.	24H	1H	LiFePO4 6.4V600mAh	Auto Test
EPE-EM3-ST-AT-3H	220-240V	3W Max.	24H	3H	LiFePO4 6.4V1500mAh	Auto Test

Technical Data Sheet

Model No.		EPE-EM3	
Power Consumption Watt		3W	
Rated Input Voltage(V)		AC230V	
Input Voltage(V)		AC200-240V	
LED		SMD 2835	
CCT(K)		5000K	
"Luminous Flux (lm) ±10%"	Non-DIM	200lm	
CRI		>70	
LED Driver		Built-in	
Protection Class		Class II	
IP Rating		IP65	
IK Rating		-	
Finishing color		White	
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	

# Driver Datasheet

Power Consumption	3W Max
Rated Input Voltage(V)	AC230V
Frequency	50/60Hz
Input Voltage	AC200-240V
Efficiency	≥65%
Total load wattage	2W Max
Power Factor	≥0.3
Rated Input Current	≤0.08A
Full load output voltage	DC12V
Rated output curent	300mA
Output current range	300mA±10%
Power tolerance	10%
Current output tolerance	10%
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 automaticlly 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