EPE-EM8

LED Emergency Light
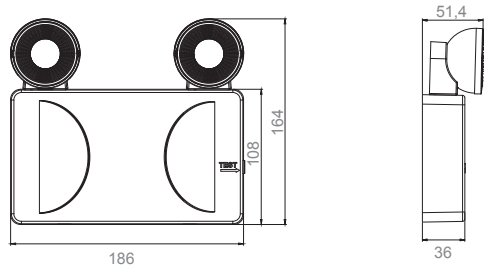
CE DALI RoHS

INTRODUCTION

EPE-EM8 LED Emergency light is controlled by smart IC, with self-test function Twin spot design with remote capability. It is All In One type including open area and corridor lens, wall and ceiling mounting way. Using the simple line and elegant element EPE-EM8 has the ability to transcend ordinary design, as well as product quality.

FEATURES

• Two adjustable LED lamp heads.

• Round lens and oval Lens optional.

• Self-contained for 1 or 3 hours emergency backup.

• LED indicator light and test switch.

Dimensions unit:mm

51,4

164

108

186

36

Model List

Model	EPE-EM8-ST	EPE-EM8-HO
Input Voltage	220-240V	220-240V
Lumen Output	200lm	400lm
Charge Duration	24H	24H
Discharge Duration	1/2/3H	1/2/3H
Battery	Li-ion 3.7 V / 1.2Ah (1H) Li-ion 3.7 V / 2.2Ah (2、3H)	Li-ion 3.7 V / 2.2Ah (1H) Li-ion 3.7 V / 4.4Ah (2、3H)
Test Mode	Manual Test / Auto Test	Manual Test / Auto Test

Driver Datasheet

Model	EPE-EM8-ST	EPE-EM8-HO
Power Consumption	1.5W Max(1H) 2.5W Max(2、3H)	2.5W Max(1H) 4W Max(2、3H)
Frequency	50/60Hz	50/60Hz
Input Voltage	220-240V	220-240V
Discharge Efficiency	≥80%	≥80%
Output Power	2W±0.3W	4W±0.3W
Power Factor	≥0.3	≥0.3
Rated Input Current	≤0.07A	≤0.07A
Full load output voltage	DC2.8-3.2V	DC2.8-3.2V
Output current range	490mA±10%	980mA±10%
Short circuit protection	PASS	PASS
Over voltage protection	PASS	PASS
Surge	0.5KV	0.5KV
Withstand voltage	AC3750V	AC3750V

Technical Data Sheet

Model	EPE-EM8-ST	EPE-EM8-HO
Power Consumption	1.5W Max(1H) 2.5W Max(2、3H)	2.5W Max(1H) 4W Max(2、3H)
LED	SMD 3030	SAMSUNG 3535
CCT(K)±10%	5000K	5000K
"Luminous Flux(lm) ±10%"	200lm	400lm
CRI	>70	>70
LED Driver	Built-in	Built-in
Protection Class	ClassⅡ	ClassⅡ
IP Rating	IP20	IP20
Finishing color	White/Black	White/Black
Material	PC	PC
Operating Temp (°C)	0℃~45℃	0℃~45℃
Storage Temp (°C)	0℃~65℃	0℃~65℃

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

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