

# EPU-EM1

LED Emergency Light



## INTRODUCTION

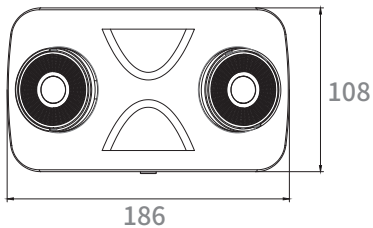
Adjustable lamp head Emergency Light is more suitable for areas with aesthetic concerns than conventional twin projector floodlights ,the Mini Range is ideal for a wide range of applications requiring open area and escape route.Ni-Cad battery with low maintenance and 2 high efficiency lumen output can be provided.

## FEATURES

- Two fully adjustable, glare-free square light heads for emergency light.
- Injection-molded thermoplastic housing.
- ETL Listed,CEC title 20 Compliance.
- High lumen output / remote capability for option.
- Round lens for open area,oval lens for escape route application.

## Dimensions

unit:mm



## Model List

Model	Input Voltage	Charge Duration	Discharge Duration	Battery	Lumen Output	Finishing Color	Test Mode
EPU-EM1-ST-MT/AT	120-277V	24H	90mins	Ni-Cd 3.6V900mAh	120lm	WH/BL	MT/AT
EPU-EM1-HO-MT/AT	120-277V	24H	90mins	Ni-Cd 3.6V900mAh*2	220lm	WH/BL	MT/AT
EPU-EM1-ST-RC-AT	120-277V	24H	90mins	Ni-Cd 3.6V900mAh*2	120lm	WH/BL	AT
EPU-EM1-ST-RC-MT	120-277V	24H	90mins	Ni-Cd 3.6V900mAh*2	120lm	WH/BL	MT

## Driver Datasheet

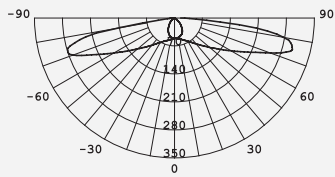
Model	EPU-EM1-ST	EPU-EM1-HO
Power Consumption	3W Max	3W Max
Frequency	50/60Hz	50/60Hz
Input Voltage	120-277V	120-277V
Discharge Efficiency	≥80%	≥80%
Output Power	1.2W±0.2W	2W±0.2 W
Power Factor	≥0.3	≥0.3
Rated Input Current	≤0.03A	≤0.04A
Full load output voltage	DC2.8-4.2V	DC2.8-4.2V
Output current range	360mA±10%	580mA±10%
Short circuit protection	PASS	PASS
Over voltage protection	PASS	PASS
Surge	0.5KV	0.5KV
Withstand voltage	AC3750V	AC3750V

## Technical Data Sheet

Model	EPU-EM1-ST	EPU-EM1-HO
Power Consumption	3W Max	3W Max
LED	SMD 2835	SMD 3030
CCT(K)±10%	5700K	5700K
"Luminous Flux(lm) ±10%"	120lm	220lm
CRI	>70	>70
LED Driver	Built-in	Built-in
Protection Class	Class II	Class II
IP Rating	IP20	IP20
Finishing color	White/Black	White/Black
Material	ABS	ABS
Operating Temp (°C)	10 C ~40 C	10 C ~40 C
Storage Temp (°C)	0 C ~50 C	0 C ~50 C

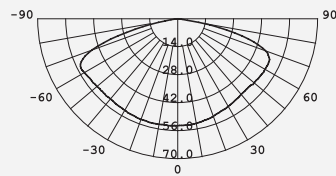
## Photometric Data

Oval lens for escape route application



Beam angle: C0°:165° C90°: 68°

Round lens for open area application



Beam angle: 148°

## 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 minutes duration test.
- Every year: Performs a 90 minutes duration test.

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

2. Dual Colour Indicator LED Status Mesnings

- Red Solid On Ready/Normal Operation
- Red Blinks 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 hold the test button for 2 seconds to reset the flashing indicator light to red.

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	90 minutes hours



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