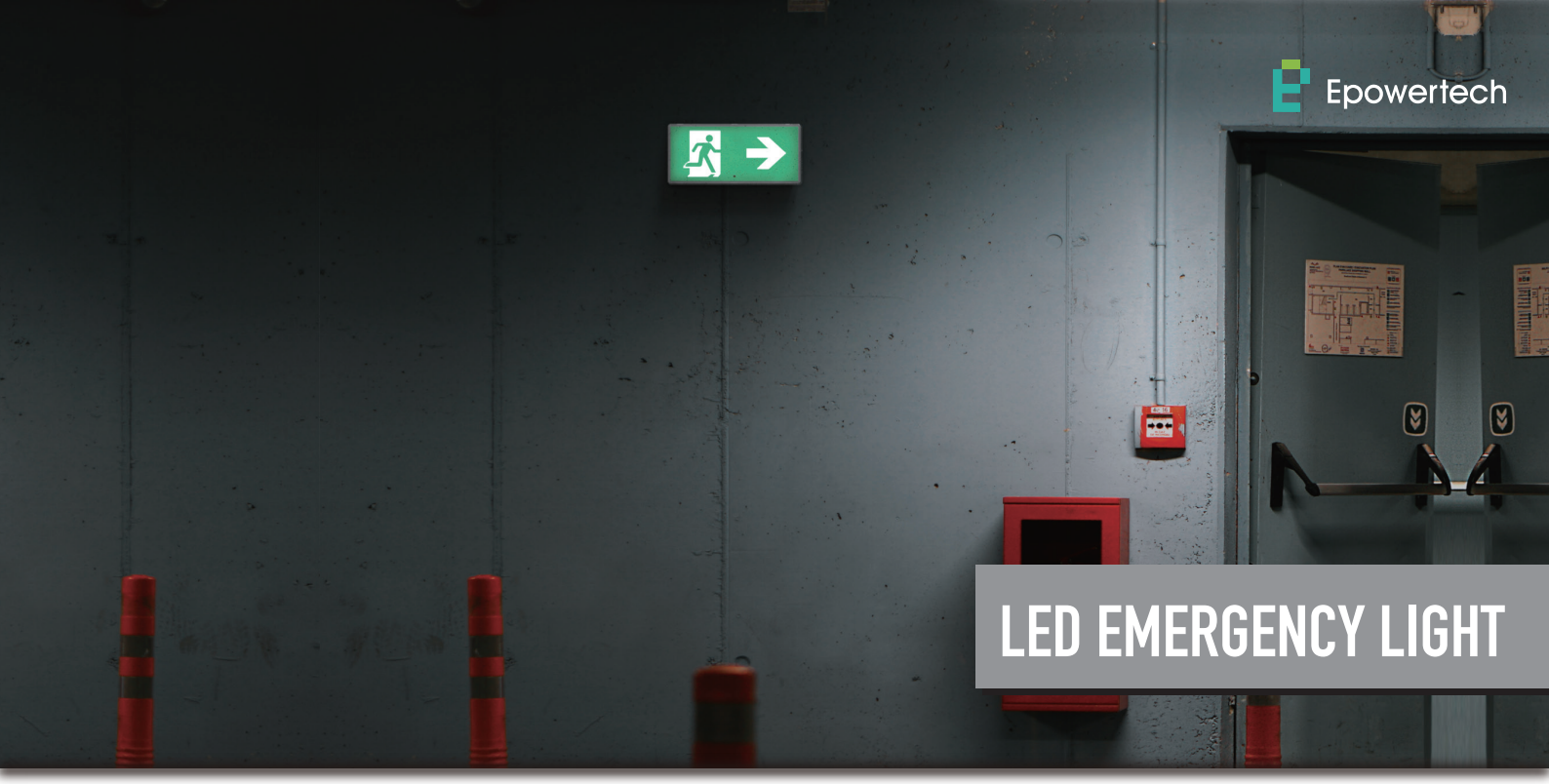
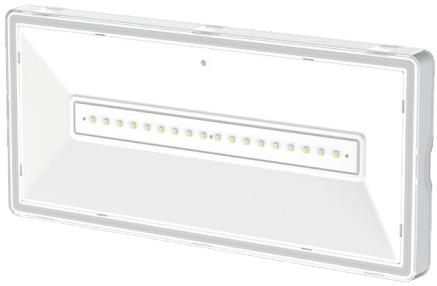


Epowertech

LED EMERGENCY LIGHT

EPE-EM26



INTRODUCTION

This emergency light accommodates a wide range of applications—from emergency light to signage, signage comes either with inserted pictogram or suspended pictogram. It offers convenient DIP-switch control for battery on/off, selectable maintained/ non-maintained modes and AT/MT modes. The LED board's angle is physically adjustable, could tilt up to 45° for optimal aiming.

FEATURES

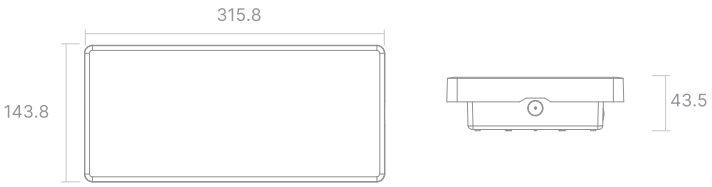
- Emergency light or exit sign application
- Exit sign with inserted pictogram or suspended pictogram
- LED board angle adjustable
- Maintained/ non-maintained mode selectable
- Auto test/ manual test selectable
- Robust PC housing, IP65, IK10

RoHS IP65

Technical Data

Code	EPE-EM26-ST-MT-3H	EPE-EM26-ST-AT-3H	EPE-EM26-ST-DA-3H	EPE-EM26-HO-MT-3H	EPE-EM26-HO-AT-3H	EPE-EM26-HO-DA-3H
Input Voltage/Frequency	AC220-240V 50/60Hz					
Mains	6W Max			10W Max		
Emergency Power	3.5W Max			6W Max		
CCT / CRI	5000K / CRI 80					
Lumen	450lm			830lm		
Charge Duration	≥24H					
Discharge Duration	≥3H					
Battery	LiFePO4 18650 6.4V 2000mAh			LiFePO4 18650 6.4V 4000mAh		
Cycle Life	≥ 2000 cycles					
Charge Temperature	0-60°C					
Test Function	Manual Test Auto Test DALI					
Viewing Distance	30m					
Operation Mode	Maintained Mode/ Non-Maintained Mode					
Emergency Classification	C0 D40 C90 D40			C0 D80 C90 D63		
IP Rating	IP65					
IK Rating	IK10					
Protection Class	Class II					
Installations	Ceiling Mount/ Back Mount/ Recessed Mount					
Dimension	315.8*143.8*43.5mm					
Weight(N.W/G.W)	0.77kg/0.89kg					
Ambient Temperature	0-45°C					
Materials	PC					
Colour	White/Black					

Dimension [unit: mm]

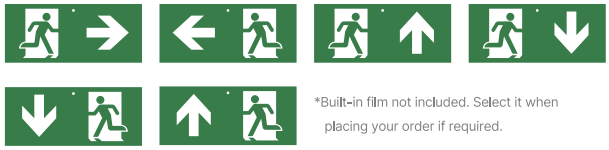


Accessories



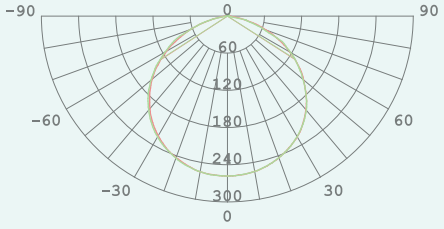
Signage

Stickers



*Built-in film not included. Select it when placing your order if required.

Photometric Curve



Beam angle:120°

Spacing table

ST: 450 LM

Height / (m)				
2	5.1	8.1	5.5	11.2
3	6.5	9.8	6.8	14.1
4	7.3	11.4	7.7	16.4

*Minimum illuminance of 0.5 lux (anti-panic calculation).

Spacing table

ST: 450 LM

Height / (m)				
2	4.4	8.3	4.6	8.4
3	5.4	9.5	5.6	10.9
4	5.9	10.9	6.2	12.6

*Minimum illuminance of 1 lux over a 2 m wide evacuation path.

HO: 830 LM

Height / (m)				
2	6	9.3	6.3	13
3	7.4	11.2	7.7	16.6
4	8.7	12.9	9.1	19.4

*Minimum illuminance of 0.5 lux (anti-panic calculation).

HO: 830 LM

Height / (m)				
2	5.1	9.3	5.3	9.9
3	6.4	11.1	6.4	13.1
4	7.3	12.5	7.4	14.6

*Minimum illuminance of 1 lux over a 2 m wide evacuation path.

Measurement

Model	Box Size L*W*H (mm)	Qty/CTN	Package Weight (Kg)		Carton Size L*W*H (mm)
			N.W/CTN	G.W/CTN	
EPE-EM26-ST-MT-3H	330 * 150 * 50	20	17.80	18.50	530 * 345 * 325
EPE-EM26-ST-AT-3H					
EPE-EM26-ST-DA-3H					
EPE-EM26-HO-MT-3H					
EPE-EM26-HO-AT-3H					
EPE-EM26-HO-DA-3H					

Test Function

MT Manual Test

- The emergency lighting fixture is non-auto test and only with basic illuminate function.
- Under normal AC power (Solid Green indicator ON), press and hold the test switch to force the unit into emergency (battery-operated) mode.
- Release the test switch to restore normal AC power operation. The green indicator will illuminate again.

LED Status Indicator

Solid Green	Normal Operation at mains	On
	Fault / Battery Disconnect	Off
0.5s ON 0.5s OFF	Emergency Simulation Active	

The green indicator light turns off when enter into emergency mode.

AT Automatic Test

1. Instruction for Automatic test function

Once the unit is powered up, a self-diagnostics test will be automatically initiated: Check battery, lamp, charge board and transfer fault all the time.

- Run 3mins duration test every month, Run 3H duration test every year.

Note: All test functions are preset and no need field adjustment.

2. Dual Colour LED Status Indicator

- Green indicator solid on: Ready/ Normal
- Red indicator flashes: Require service

•	One flash, 4s pause	Battery disconnected
••	Two flashes, 4s pause	Low battery voltage
•••	Three flashes, 4s pause	Charge board fault
••••	Four flashes, 4s pause	AC/DC transfer fault
•••••	Five flashes, 4s pause	LED lamp fault

Note: When the fault is recovered, press the test button for 2s, the red flashing indicator will turn green. The fault is cleared, and the unit is back to normal.

3. Button Test

Press test button once	run a 30s duration test
Press test button twice within 2s	run a 3mins duration test
Press test button 3 times within 2s	run a 30mins duration test
Press test button 4 times within 2s	run a 1H or 3H duration test

DALI

1. Instruction for DALI test function

Once the unit is powered up, a self-diagnostics test will be automatically initiated:

- Function test: Run a 5s function test each week.
- Duration test: Run a 3H self-discharge each 52 weeks.

After the first power on and charging for 20 hours, it will perform a 3H self-discharge.

Note: All test functions are preset and no need field adjustment.

3. Button Test

Press the test button once	Run a 5s function test
Press and hold the test button	Enter emergency mode
Release the test button	Exit emergency mode

2. System status is indicated by a dual colour LED and by a DALI status flag

LED indication	Status	Commentary
Permanent green	System OK	
Fast flashing green (0.1 sec. on - 0.1 sec. off)	Function test	
Slow flashing green (1 sec. on – 1 sec. off)	Duration test	
Red LED on	Load failure	Open circuit / Short circuit / LED failure
Slow flashing red (1 sec. on - 1 sec. off)	Battery failure	Battery failed the duration test or function test/ Battery is defect / Incorrect battery voltage
Fast flashing red (0.1 sec. on - 0.1 sec. off)	Charging failure	Incorrect charging current
Double pulsing green	Inhibit mode	Switching into inhibit mode via controller
Binary transmission of address via green/red LED	Address identification	During address identification mode
Green and red off	Emergency mode	Battery operation (Emergency mode)