Epowertech

40m

EPA-EX4A

LED Jumbo Exit Sign

SAA APPROVALS®   32M   40M   48M   60M   RoHS

INTRODUCTION

This self-contained LED Exit Sign is larger than the normal one with a 32/40/48/60m viewing distance. High-efficiency LED chips are evenly laid out at the upper and bottom of the sheet steel, to ensure nice and even light distribution (without any shadow) for such a large exit sign.
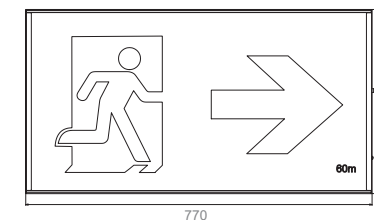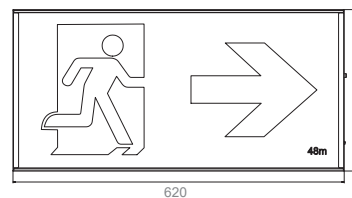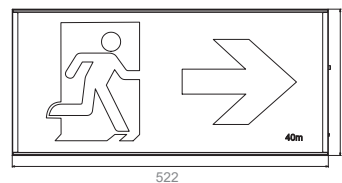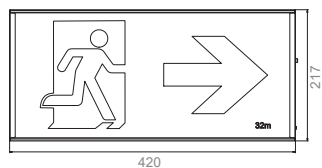
ON/OFF button at the same side as manual test button and LED indicator is set for easy battery connection and disconnection. Convenient installation is suitable for the back mount, ceiling mount, or pendant mount. Single-sided pictograms or double-sided pictograms are optional.

FEATURES

• 1 X LED strips for single-sided pictogram.

• 2 X LED strips for double-sided pictograms.

• Anodized sheet steel housing with black or white colour.

• Lamp colour: 6000K.

• Maintained mode.

• Auto/ Manual/ DALI test.

• 32/40/48/60m viewing distance. IP20 as standard.

Dimension   Unit:mm

217 / 420 / 75

267 / 522 / 75

317 / 620 / 75

392 / 770 / 75

32m / 40m / 48m / 60m

Model List

Model	Input Voltage	Input Current	Mains Power	Output Charge Current	Charge / Discharge	Battery	Test Mode
EPA-EX4A-AT-2H-32M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	AT
EPA-EX4A-AT-2H-40M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	AT
EPA-EX4A-AT-2H-48M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	AT
EPA-EX4A-AT-2H-60M	220-240VAC	70mA Max	9W	300mA	16H / 2H	LiFePO4 26650 6.4V 3200mAh	AT
EPA-EX4A-MT-2H-32M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	MT
EPA-EX4A-MT-2H-40M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	MT
EPA-EX4A-MT-2H-48M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	MT
EPA-EX4A-MT-2H-60M	220-240VAC	70mA Max	9W	300mA	16H / 2H	LiFePO4 26650 6.4V 3200mAh	MT
EPA-EX4A-DA-2H-32M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	DA
EPA-EX4A-DA-2H-40M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	DA
EPA-EX4A-DA-2H-48M	220-240VAC	40mA Max	5W	150mA	16H / 2H	LiFePO4 18650 6.4V 1500mAh	DA
EPA-EX4A-DA-2H-60M	220-240VAC	70mA Max	9W	300mA	16H / 2H	LiFePO4 26650 6.4V 3200mAh	DA

Driver Datasheet

Model	Frequency	Efficiency	Mains wattage	Power Factor	Input Current	Emergency Power	Full load output voltage	Output current	Surge	Withstand voltage	Short circuit protection	Over voltage protection
EPA-EX4A-AT-2H-32M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-AT-2H-40M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-AT-2H-48M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-AT-2H-60M	50/60Hz	≥60%	9W Max	≥0.9	70mA Max	4.5W Max	DC24V	200mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-MT-2H-32M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-MT-2H-40M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-MT-2H-48M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-MT-2H-60M	50/60Hz	≥60%	9W Max	≥0.9	70mA Max	4.5W Max	DC24V	200mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-DA-2H-32M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-DA-2H-40M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-DA-2H-48M	50/60Hz	≥60%	5W Max	≥0.9	40mA Max	2W Max	DC24V	85mA±15%	0.5KV	AC3750	PASS	PASS
EPA-EX4A-DA-2H-60M	50/60Hz	≥60%	9W Max	≥0.9	70mA Max	4.5W Max	DC24V	200mA±15%	0.5KV	AC3750	PASS	PASS

Technical Data Sheet

Model	EPA-EX4-2H
Input Voltage(V)	AC220-240V
LED	SMD 2835
CCT(K)	6000K
CRI	>80
LED Driver	Built-in
Protection Class	Class Ⅰ
IP Rating	IP20
Finishing color	White RAL 9016/Black RAL9005
Material	Aluminum+PMMA
Glow wire test (°C)	LENS:650 ℃
Operating Temp (°C)	0℃ ~45℃

Instructions for automatic test option

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 2H duration test every six month.
• Run 2H duration test every year.

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

2. Dual Colour LED Status Indicator Meaning
• Green indicator on: Ready/ Normal Operation
• Yellow indicator flashes: Require service

Fast Yellow Flash: 0.5s ON and 0.5s OFF	Errors
Slow Yellow Flash: 1s ON and 1s OFF	Under Test
Slow Yellow Flash: 4s ON and 1s OFF (The indication remains for 5 days and reverts to normal Green)	Work Normally

3. Button Test

Press test button once with 0.2s to 1s	Run a 5s duration test
Fast Yellow Flash: 0.5s ON and 0.5s OFF	Errors
Press test button more than 2s	Clean Errors

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

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