

# EPU-EX1

LED Edge Lit Exit Sign



**RoHS**



## INTRODUCTION

EPU-EX1 is LED Exit Sign for USA market, Aluminum housing combines with acrylic panel making fixture look high profile, single or double face background optional; 6" EXIT lettering with 3/4" stroke, it can be surface and wall mounting, LED self-contained luminaire with manual test and auto test optional.

## FEATURES

- Compact, decorative design.
- ELT Listed,CEC title 20 Compliance.
- Suitable for single and double face applications.
- Attractive - glowing red/green high-grade acrylic exit panel.
- Canopy for wall/ceiling/side mounting included.

## Dimensions unit:mm

### Color / Background / Mounting Options



Mirror Background



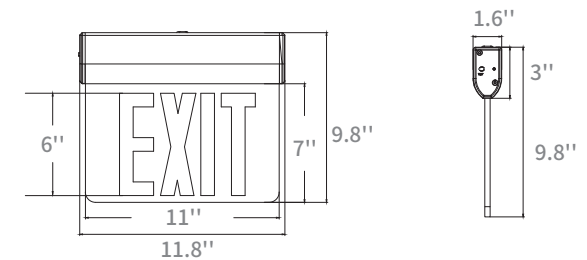
Clear Background



Ceiling/Wall Mounting



Side Mounting



## Color / Background Options

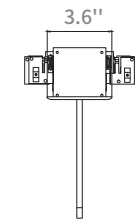
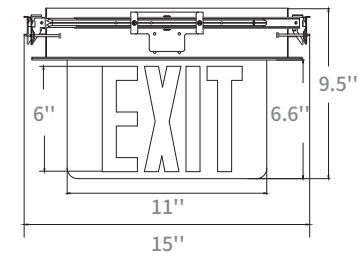


Mirror Background



Clear Background

## Dimensions unit:mm



## Model List

Model	Input Voltage	Charge Duration	DischargeDuration	Battery	Face	Letter Color	Finishing Color	Test Mode
EPU-EX1-S-SG/R	120-277V	24H	90mins	Ni-Cd 3.6V900mAh	Single / Double	Green/Red	AL / WH / BK	AT/MT
EPU-EX1-S-DG/R	120-277V	24H	90mins	Ni-Cd 3.6V900mAh	Single / Double	Green/Red	AL / WH / BK	AT/MT
EPU-EX1-R-SG/R	120-277V	24H	90mins	Ni-Cd 3.6V900mAh	Single / Double	Green/Red	AL / WH / BK	AT/MT
EPU-EX1-R-DG/R	120-277V	24H	90mins	Ni-Cd 3.6V900mAh	Single / Double	Green/Red	AL / WH / BK	AT/MT
EPU-EX1-S/R-SG/R	120-277V	/	/	AC Only	Single / Double	Green/Red	AL / WH / BK	/
EPU-EX1-S/R-DG/R	120-277V	/	/	AC Only	Single / Double	Green/Red	AL / WH / BK	/

\*Surface Model: EPU-EX1-S  
Recessed Model: EPU-EX1-R

## Driver Datasheet

Model	EPU-EX1-S	EPU-EX1-R
Input Voltage	120-277V	120-277V
Frequency	50/60Hz	50/60Hz
Discharge Efficiency	≥80%	≥80%
Total load wattage	2W±0.5W	2W±0.5W
Output Power	1W max	1W max
Power Factor	≥0.3	≥0.3
Rated Input Current	≤0.18A	≤0.18A
Full load output voltage	DC2.8-3.3V	DC2.8-3.3V
Output current range	280mA±10%	280mA±10%
Surge	0.5KV	0.5KV
Withstand voltage	AC3750V	AC3750V

## Technical Data Sheet

Model	EPU-EX1-S	EPU-EX1-R
CCT(K)±10%	5000K	5000K
CRI	>70	>70
Letter Size	6"height with 3/4" stroke	6"height with 3/4" stroke
LED Driver	Built-in	Built-in
Protection Class	Class I	Class I
IP Rating	IP20	IP20
Finishing color	White/Black	White/Black
Material	Aluminum +PMMA	Aluminum +PMMA
Operating Temp (°C)	0°C ~45°C	0°C ~45°C
Storage Temp (°C)	0°C ~65°C	0°C ~65°C

## 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 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 hole 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 duration test



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