

1. PRODUCT OVERVIEW

The LF-ESA1 is a high-performance, addressable monitoring type emergency exit sign designed for reliability and compliance. Featuring energy-efficient LED technology and long-life LiFePO4 battery storage, ensures clear guidance during power failures.



2. TECHNICAL SPECIFICATIONS

Feature	Specification
Product Model	LF-ESA1
Battery	LiFePO4 3.2V / 1200mAH
Emergency Duration	3 Hours
Charge Time	24 Hours
Input Voltage	DC 36V
Input Power	2.5W
Input Current	70mA
Operation Mode	Maintained / Non-Maintained
Emergency Power	0.95W

3. OPTICAL CHARACTERISTICS

Feature	Specification
LED Package Type	SMD 4014
LED Quantity	24 pcs
Luminance (DC 36V)	>= 8.71 cd/m ²
Emergency Luminance	>= 5.14 cd/m ²

4. STRUCTURAL & INSTALLATION

Construction

- Housing Material:** ABS (White)
- Cover Material:** PMMA
- Dimensions:** 348 x 264 x 42 mm
- PCB Type:** FR-4 / CEM-1

Protection & Classification

- Degree of Protection:** IP20 (Suitable for Dry Locations)
- Classification:** Class II
- Operation Temperature:** 0 to 40 Degrees Celsius

Mounting Options

- Ceiling Mounting
- Wall Mounting
- End Wall Mounting

- Note: Recessed Mounting kit purchased separately

5. CERTIFICATION & COMPLIANCE

- **Standard:** UL 924 Listed
- **ML File No:** E474559

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