

1. PRODUCT OVERVIEW

The **LF-ELB1** is a high-performance, addressable monitoring type emergency light designed for demanding environments. Featuring an IP65-rated housing for dust and water resistance, energy-efficient SMD LED technology, and a robust LiFePO4 battery system, it ensures reliable safety illumination in both indoor and outdoor applications. LF-ELB1 shall be marked "Max. mounting height: 11.8_ft (3.5 m)"



2. TECHNICAL SPECIFICATIONS

Feature	Specification
Product Model	LF-ELB1
Battery	LiFePO4 3.2V / 3000mAH
Emergency Duration	3 Hours
Charge Time	24 Hours
Input Voltage	DC 36V
Input Power	4.5W
Input Current	125mA
Operation Mode	Maintained / Non-Maintained
Emergency Power	2.5W

3. OPTICAL CHARACTERISTICS

Feature	Specification
LED Package Type	SMD 2835
LED Quantity	26 pcs
Color Temperature (CCT)	6000K - 7000K
Luminous Flux (Main Power)	>= 300 LM
Emergency Luminous Flux	>= 300 LM
Color Rendering Index (CRI)	>= 70

4. STRUCTURAL & INSTALLATION

Construction

- **Housing Material:** Polycarbonate (PC)
- **Cover Material:** Polycarbonate (PC)
- **Case Color:** White
- **Dimensions:** 352 mm x 110 mm x 68 mm
- **PCB Type:** FR-4 / 1.2mm and CEM-1 / 1.5mm

Protection & Classification

- **Degree of Protection:** IP65 (Weatherproof)
- **Classification:** Class 2
- **Operation Temperature:** 0 to 40 Degrees Celsius

Mounting Options

- Surface Mount

5. CERTIFICATION & COMPLIANCE

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

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