

1. PRODUCT OVERVIEW

The LF-ELDS1 is a high-performance, square-profile addressable monitoring type emergency down light. Designed for architectural aesthetics and safety compliance, it utilizes high-output SMD LEDs and a reliable LiFePO4 battery system to provide critical illumination during power failures.

LF-ELDS1 shall be marked "Max. mounting height: 7.7ft (2.3 m)".



2. TECHNICAL SPECIFICATIONS

Feature	Specification
Product Model	LF-ELDS1
Battery	LiFePO4 3.2V / 3000mAh
Emergency Duration	3 Hours
Charge Time	24 Hours
Input Voltage	DC 36V
Input Power	4W
Input Current	110mA
Operation Mode	Maintained / Non-Maintained
Emergency Power	2.35W

3. OPTICAL CHARACTERISTICS

Feature	Specification
LED Package Type	SMD 3535
LED Quantity	2 pcs
Color Temperature (CCT)	5700K - 7200K
Luminous Flux (DC 36V)	>= 300 lm
Emergency Luminous Flux	>= 300 lm
Color Rendering Index (CRI)	>= 70

4. STRUCTURAL & INSTALLATION

Construction

- **Housing Material:** PBT 5VA + AL6063 (Aluminum)
- **Cover Material:** PBT 5VA
- **Case Color:** White
- **Dimensions:** 141.6 mm x 126.6 mm x 39 mm
- **PCB Type:** FR4 / 1.2mm & 2.0mm

Protection & Classification

- **Degree of Protection:** Dry Location
- **Classification:** Class II
- **Operation Temperature:** 0 to 40 Degrees Celsius

Mounting Options

- Surface Ceiling Mount

5. CERTIFICATION & COMPLIANCE

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

LICHFIELD FIRE & SAFETY EQUIPMENT CO LTD (LIFECO)

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