



## 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.



## 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 Mount

## 5. CERTIFICATION & COMPLIANCE

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

LICHFIELD FIRE & SAFETY EQUIPMENT CO LTD (LIFECO)

*LIFECO Emergency Systems - Product Code: LF-ELDS1 | Revision: 2026.01*