

1. PRODUCT OVERVIEW

The **LF-ELDR1** is a high-performance, addressable monitoring type emergency down light (Round) designed for discreet and effective safety lighting. Featuring high-output SMD LEDs and a reliable Lithium battery system, it provides high-intensity illumination during power outages. This surface-mounted unit is optimized for architectural integration and compliance.



2. TECHNICAL SPECIFICATIONS

Feature	Specification
Product Model	LF-ELDR1
Battery	Li 3.2V / 3000mAH
Emergency Duration	3 Hours
Charge Time	24 Hours
Input Voltage	DC 36V
Input Power	4.65W
Input Current	130mA
Operation Mode	Maintained / Non-Maintained
Emergency Power	2.5W

3. OPTICAL CHARACTERISTICS

Feature	Specification
LED Package Type	SMD 3535
LED Quantity	1 pc
Color Temperature (CCT)	5700K - 7200K
Luminous Flux (DC 36V)	>= 250 lm
Emergency Luminous Flux	>= 250 lm
Color Rendering Index (CRI)	>= 70

4. STRUCTURAL & INSTALLATION

Construction

- **Housing Material:** PBT 5VA + AL6063 (Aluminum). Consists of 4 parts, bottom, cover and two end covers
- **Cover Material:** PBT 5VA
- **Case Color:** White
- **Dimensions:** 80 mm Diameter x 50.5 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

- Recessed Mount

5. CERTIFICATION & COMPLIANCE

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

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