

1. PRODUCT OVERVIEW

The **LF-ELDR2** 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-ELDR2 |
| 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) 3 parts: enclosure 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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