



SERIES RD

TYPE: _____
CATALOGUE #: _____
NOTES: _____



CEILING MOUNTED WITH ELF2 DECORATIVE HEADS.



6 and 12 Volt Decorator Recessed

Ceiling mounted with ELF645 PAR36 SIZE LAMP HEADS

Decorative Style Equipment 6 and 12 Volt Maintenance-Free Lead Calcium, Long-Life Lead or Nickel Cadmium Batteries Listed to UL924 Standard

Features

- **CONSTRUCTION:**
Construction of 20 gauge steel with an off-white baked enamel finish. Furnished with ELF645 or ELF2 heads or DR1130 with 6 or 12 volt lamps as specified.
- **MOUNTING:**
Easily recesses into wall or ceiling. Mounting brackets included for installation in grid type suspended ceilings. Adjustable bar hangers included.
- **ELECTRONICS:**
 - Automatic, temperature compensated, pulse type charger.
 - High capacity, automatic, dust tight instantaneous transfer relay.
 - Low voltage disconnect prevents over discharge of battery. Automatic brown out protection is provided.
 - Labor saving AC line latch prevents battery discharge during installation to a non-energized circuit.
 - Self-testing in accordance with NFPA 101, Life Safety Code. Unit tests itself every thirty days for one minute, thirty minutes on the sixth month and ninety minutes annually.

Self-Diagnostic Models

Improved Diagnostics (audible and non audible versions)
Our Improved Diagnostic circuitry is designed to continuously monitor every critical function of the unit, attached remote lighting heads and exit signs. Operational status is indicated by colored LED lamps. A high-pitch audible alarm and an LED status indicator alert maintenance personnel to a unit malfunction. This option saves the time spent on testing and trouble shooting by maintenance personnel. This new generation of Emergi-Lite diagnostics is perfect for any application. The self-testing software will perform automatic monthly testing in accordance with the requirements of NFPA 101, Life Safety Code and a full 90 minute test annually.
Self-testing in accordance with NFPA 101, Life Safety Code. Unit tests itself every thirty days for one minute, thirty minutes on the sixth month and ninety minutes annually.

Accessories

- (Order as a separate item)
Model
 Wire Guard (DR1130, ELF2 or ELF645 heads)WG6-L
 Remote Test SwitchPSW
Note: Certain option combinations may affect the listing. Please contact the factory for specifics.

Battery

6 or 12V maintenance-free, sealed Lead Calcium, Long-Life Lead or Nickel-Cadmium.

Lamp Heads

Furnished with one high intensity incandescent lamp heads.

Options

| Description (Add suffix to model number) | Suffix |
|--|------------|
| Ammeter OR Voltmeter (Choose only one) | -A* OR -V* |
| Improved Diagnostics | -ID |
| Improved Diagnostics (non-audible) | -IDNA |
| Time Delay (12 min.) | -TD** |
| ELF2 Lighting Heads | /ELF2 |
| DR1130 | /DR130 |
| Non-Standard Input Voltage | Specify |
| Black | -B |

*Not available with Diagnostics option
 **Comes as standard feature when ordering ID/IDNA option.

Specifications For Model RD

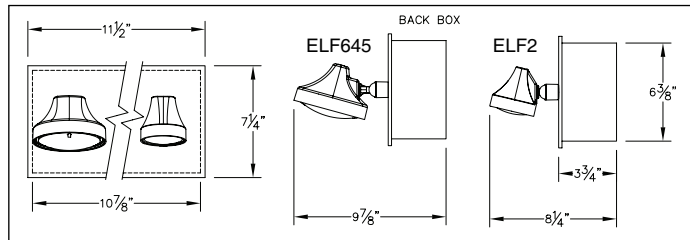
Unit Selection Chart

Standard lamp is 6 or 12 volt 9 watt wedge base

| UNIT EQUIPMENT - NO REMOTE CAPABILITY | | | | | | | |
|---|--------------|---------------------|------------------|--|--------|--------|--------|
| Sealed Maintenance-Free Battery Types | D.C. Voltage | Model Number | | *Watts to 87 1/2% of rated battery voltage | | | |
| | | ELF-645 Lamps Heads | ELF-2 Lamp Heads | 11/2 hrs. | 2 hrs. | 3 hrs. | 4 hrs. |
| Nickel Cadmium Δ | 6 | 2RD6C1 | 2RD6C1/ELF2 | 18 | 12 | 10 | - |
| Long Life Lead Δ | 6 | 2RD6E1 | 2RD6E1/ELF2 | 18 | 11 | 8 | - |
| Lead Calcium Δ | 6 | 2RD6M1 | 2RD6M1/ELF2 | 18 | 12 | 9 | - |
| UNIT EQUIPMENT - WITH REMOTE CAPABILITY | | | | | | | |
| Nickel Cadmium Δ | 6 | 2RD6C2 | 2RD6C2/ELF2 | 25 | 18 | 12 | 9 |
| | 12 | 2RD12C3 | 2RD12C3/ELF2 | 36 | 21 | 15 | 12 |
| Long Life Lead Δ | 6 | 2RD6E2 | 2RD6E2/ELF2 | 27 | 19 | 14 | 10 |
| | 6 | 2RD6E3 | 2RD6E3/ELF2 | 36 | 24 | 17 | 13 |
| Lead Calcium Δ | 12 | 2RD12E3 | 2RD12E3/ELF2 | 36 | 24 | 17 | 13 |
| | 6 | 2RD6M2 | 2RD6M2/ELF2 | 27 | 18 | 14 | 10 |
| Lead Calcium Δ | 6 | 2RD6M3 | 2RD6M3/ELF2 | 36 | 25 | 20 | 14 |
| | 12 | 2RD12M3 | 2RD12M3/ELF2 | 36 | 25 | 20 | 14 |

*National Electrical Code Specification Δ = Improved Diagnostics Available

Dimensions



*Unit Warranty

Entire unit (excluding lamps and fuses) carries a 3-year Full Warranty.

*Battery Warranty

Unit batteries are warranted as follows:

Sealed Nickel Cadmium: RD_C – 10-year life expectancy, 5-year Full Warranty, plus 5-year pro rata warranty.

Sealed Long Life Lead: RD_E – 12-year life expectancy, 5-year Full Warranty, plus 5-year pro rata warranty.

Sealed Lead Calcium: RD-M – 8-year life expectancy, 3-year Full Warranty, plus 3-year pro rata warranty.

*Subject to proper installation and maintenance.

Ordering Information

Example: 2RD12C3/L9-TD

| No. of Heads | Series | DC Battery Backup | Battery Type | Capacity Indicator | Lamp Suffix | Options |
|-------------------------|------------|-------------------|--------------|--------------------|---|-----------------|
| 2= 2 heads | RD= series | 12= | C= | 3= | /L9= 6V 9W Incandescent | -TD= time delay |
| *Includes standard lamp | | | | | *see lamp chart data sheet in lighting fixture section for other lamp wattages. | |

For standard units without options only order Series, Battery, Watts and Heads.

Options are added to units by listing suffix at end of model #

Suggested Specification

Supply and install **Lightalarms Series RD_M** _____ **RD_E** _____, or **RD_C** _____ in 6 or 12 volt, with electrically compatible remote fixtures or exit signs as indicated on the plans.

The emergency lighting unit shall be an architecturally designed, self-contained fixture including sealed, maintenance-free battery:

TYPE RD6M, RD12M to be supplied with Lead Calcium battery.

TYPE RD6E, RD12E to be supplied with long life pure Lead battery.

TYPE RD6C, RD12C to be supplied with long life Nickel-Cadmium battery.

The unit charger shall utilize an integrated circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit protected and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit which will connect the battery when the AC circuit is activated, and an electronic brownout circuit which will activate the unit when utility power dips below 80-85% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load and circuitry from the fused output circuit when battery reaches 87 1/2% of its nominal voltage.

The unit shall be capable of full recharge in compliance with UL924 specifications. The unit shall be furnished with a sealed, dust-tight relay, a test switch and dual diagnostic LED indicator lights (Hi-charge and AC pilot).

The unit shall be designed for fully recessed installation in walls or ceilings, including grid type suspended ceilings.

Unit shall be constructed of 20 gauge steel with a off-white baked enamel mounting plate. Unit will be furnished with two (2) lamp heads as follows:

TYPE ELF2 decorator heads; 6V, 12V: 9 watt lamp per head.
TYPE ELF645 PAR36, size heads; 6V, 12V: 9 watt lamp per head.

Fused output terminals shall be provided for ease of remote lamp connections.

Every 6 and 12 volt RD Series shall be fully warranted for three years, subject to proper installation and maintenance.

Unit shall be Lightalarms Catalog No. _____

