



# 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 Switch .....PSW  
**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

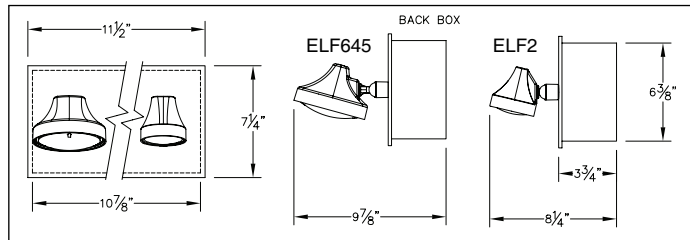
## Unit Selection Chart

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.** \_\_\_\_\_

