

The Exitronix RDG Series emergency luminaire has been designed to be fully recessed and blend in with the surrounding environment. The gimbal assembly is constructed of corrosion- and flame-resistant lightweight aluminum. All RDG electronics are fully self-contained within the housing; this allows for easy handling and effortless installation. The standard trim plate comes in a powder coat white finish.

FEATURES

- Compact, flush-mount, recessed emergency unit designed to blend in a variety of applications
- Completely self-contained
- Adjustable aiming angle
- Includes 8W bi-pin Halogen or 1.5W LED lamp
- Suitable for Damp Location
- Charge rate/power "ON" LED indicator light with test button
- Low voltage disconnect eliminates deep discharge
- UL recognized maintenance-free lead calcium battery
- UL Listed 90 minute emergency run time, 24 hour recharge time
- LED option will do an extended runtime of more four hours
- Standard finish: White
- 120/277VAC dual primary, 60Hz input

WARRANTY

Any component that fails due to a manufacturing defect is guaranteed for five years with a separate two year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



Available While Supplies Last



ORDERING INFORMATION Example: RDG-6-8-WH

Series	Voltage	Lamp	Finish
RDG	6 = 6 Volt	8 = 8 Watt Halogen	WH = White
		LED = 1.5 Watt LED	

CONSTRUCTION

The RDG downlight offer an impact resistant 6" gimbal trim ring with steel recessed can and back plate includes integral hanger bars. The PAR 36 type gimbal ring houses a chrome-plated metalized reflector and a plastic 7.1" lens offering optimal light distribution. Non-IC Rated.

ILLUMINATION

The unit either contains a 8W bi-pin Halogen or a 1.5W LED lamp head.

ELECTRICAL

Input

Dual-voltage input 120/277VAC @ 60Hz.

Sealed Lead Calcium Battery (With Battery Only)

Exitronix sealed lead calcium batteries are maintenance-free with a life expectancy of five years. Sealed lead calcium batteries provide a relatively large power-to-weight ratio making them ideal for emergency applications. Lead calcium batteries are constructed of a series of plates stacked with separators designed to optimize the efficiency and prolong the life of the battery. Lead calcium batteries perform optimally in temperatures ranging from 59°F to 104°F (15°C to 40°C).

Emergency

The RDG Series will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a Solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The Solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

INSTALLATION

The RDG recessed gimbal is designed for indoor applications in recessed ceilings. Integral bar hangers are included.

Damp Location Rated

Damp Location Rated fixture that is normally or periodically subject to condensation of moisture in, on or adjacent to, and includes partially protected locations.

CONFORMANCE TO CODES & STANDARDS

The RDG downlight Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

DIMENSIONS

