

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 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 acid battery
- UL listed 90 minute emergency run time, 24 hour recharge time
- Standard finish: White
- 120/277V dual primary, 60Hz input

**WARRANTY**

Any component that fails due to manufacturers defect is guaranteed for 5 years with a separate 2 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. 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

## CONSTRUCTION

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

## ILLUMINATION

Units are lit with ultra-bright 8W bi-pin halogen lamps.

## ELECTRICAL

### Input

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

### Sealed Lead Acid Battery – SLA (With Battery Only)

Exitronix sealed lead acid batteries are maintenance-free with a life expectancy of 5 years. Sealed lead acid batteries provide a relatively large power-to-weight ratio making them ideal for emergency applications. Lead Acid batteries are constructed of a series of plates stacked with separators designed to optimize the efficiency and prolong the life of the battery. Lead Acid batteries perform optimally in temperatures ranging from 15-40 degrees 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 rating ensures the fixture is designed to operate safely in outdoor locations that are protected from the direct elements. Damp location rated fixtures may be installed indoors. Products with damp location ratings are not designed to withstand constant or significant moisture or direct contact with water or steam.

### CONFORMANCE TO CODES & STANDARDS

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

## DIMENSIONS

