

The Exitronix RSL Series combines LED performance and dependability with a compact, rugged 20 gauge steel enclosure. The corrosion resistant units feature fully adjustable LED lamp heads and easy installation. Most models have additional battery capacity for extended run time or powering remote lamps.

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

FEATURES & BENEFITS

- PAR18 thermoplastic LED lamp heads
- Enclosure constructed of rugged 20 gauge steel
- Available in 6V or 12V with capacities up to 90 watts
- Knockouts for side mounted heads
- Extended run time or remote capable
- Optional Guardian Self-test/Self-diagnostics (G2) available
- Buy American Act (BAA) compliant
- Compatible with [MIST](#), [RL1-WP](#) and [RSMR](#) LED remote lamp heads
- Meets City of New York Emergency Code requirements



SPECIFICATIONS

Illumination: Two top (standard) or side mounted, long-life, high intensity PAR18 5W or 7W LED lamp heads

Housing: Rugged 20 gauge steel with powder coated finish

Input: 120/277VAC Dual primary, 60Hz

Battery: Maintenance-free sealed lead calcium or NiCad battery available

Operating Temp: 10°C to 40°C (50°F to 104°F)

Run Time: CSA Listed 90 minute emergency run time, 24 hour recharge time

Electrical: Low voltage disconnect eliminates deep discharge, brownout, short circuit and voltage surge protection

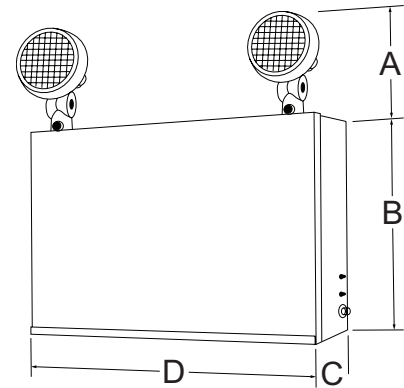
Mounting: Shelf mount or universal mounting pattern with keyhole slots provided for wall mount

Finishes: Black or White

Options: G2 - Self-test/Self-diagnostics

Certifications: Conforms to UL 924 standards, Meets NFPA 101 Life Safety Code, NEC, OSHA. Meets City of New York Emergency Code requirements

Warranty: Any component that fails due to a manufacturing defect is guaranteed for three years with a separate three year prorated 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 and product registration instructions. (Terms and Conditions apply)



	12-60W	90W
A	5.9"	5.9"
B	4.0"	9.0"
C	2.0"	3.0"
D	12.0"	10.0"

ORDERING INFORMATION Example: RSL-6-18-0605-W-G2

Series	Battery	Wattage ¹		Lamp Heads	Finish	Options (Factory Installed)
RSL	6 = 6 Volt Lead Calcium	6 Volt, Lead Calcium	6 Volt, NiCad	0 = No Lamp Heads	B = Black	G2 = Self-test/Self-diagnostics
	12 = 12 Volt Lead Calcium	18 = 18 Watts	22 = 22 Watts	6 Volt PAR18 LED	W = White	
6N = 6 Volt NiCad		27 = 27 Watts	42 = 42 Watts	0605 = (2) 5W Heads		
	12N = 12 Volt NiCad	36 = 36 Watts	54 = 54 Watts	12 Volt PAR18 LED	Accessories² (Field Installed)	
		60 = 60 Watts	90 = 90 Watts	1205 = (2) 5W Heads	WG-A = Wire Guard (Back Mount)	
		12 Volt, Lead Calcium	12 Volt, NiCad	1207 = (2) 7W Heads	XG-PS = Poly Guard (Back Mount)	
		36 = 36 Watts	42 = 42 Watts			
		60 = 60 Watts	90 = 90 Watts			
					Notes	
					¹ Compatible with the MIST , RL1-WP & RSMR LED remote lamp heads	
					² Order as separate line item	

CONSTRUCTION

The RSL series is die-formed 20 gauge steel housing with epoxy powder coat finish. White finish is standard. Black finish is optional. Universal J-box mounting pattern and keyhole slots provided for simple installation. Knockouts are provided on top, back, and sides for easy wire entry. Can also be shelf mounted – ordered separately. Lamp heads are constructed of high impact thermoplastic in a color matching the finish of the enclosure. Lamp heads feature a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

ILLUMINATION

Fully adjustable, attractive PAR 18 5W or 7W LED lamp heads allow for maximum light to be delivered to the path of egress. Up to 4 lamp heads (limited by unit's total capacity) may be installed on each emergency unit. Compatible with the [MIST](#), [RL1-WP](#) and [RSMR](#) LED remote lamp heads.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz. The RSL is configured with a high-efficiency two-stage charger providing precise float voltage control. All components used in the circuitry are temperature compensated. Charger status is easily determined via a dual diagnostic LED display.

Sealed Lead Calcium Battery

Exitronix sealed lead calcium batteries are maintenance-free.

Sealed Nickel Cadmium Battery – NiCad

Exitronix sealed nickel cadmium batteries are maintenance-free.

Emergency

The RSL Series exit 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 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, a 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.

Test Button

The test button is easy to locate and provides manual verification of the transfer circuit and emergency lamps.

INSTALLATION

A universal mounting pattern and rear keyhole slots are provided for wall mounting. Stamped conduit knockouts are supplied standard. Terminal connectors allow for larger gauge wires to be connected for remote loads.

Assembled in the USA

Complies with Buy American provisions.

OPTIONS

Guardian Self-test/Self-diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault at the Emergency Unit and/or battery charger. The Guardian Self-Test/Self-Diagnostics system performs one 5 minute discharge test monthly. Every 6 months, two 90 minute discharge tests are performed. This tests both full battery capacity and recharge capability, as required by the Life Safety Code. The information is communicated simply and intuitively to maintenance personnel via a single multi-color LED.

CONFORMANCE TO CODES & STANDARDS

The RSL Series conforms to UL 924 Standards and meets or exceeds the following: OSHA, NEC requirements and NFPA 101. Meets City of New York Emergency Code requirements.

ON-CENTER SPACING (Multiple units mounted at a typical 7.5 foot height)

Model	# of LED Lamps	3' Path, 6' Corridor	6' Path, 6' Corridor
RSL 6V, 5W	2	53'	50'
RSL 12V, 5W	2	101'	96'
RSL 12V, 7W	2	104'	99'

Barron assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as a guarantee of any code compliance.

