

The LL90 Series combines a low-profile, contemporary appearance with economy and dependability. Both incorporate fully adjustable designer heads to complement any environment.

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accessories: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Type: \_\_\_\_\_

**FEATURES**

- Completely self-contained, compact, low-profile design
- Rugged, injection-molded UL94 5VA flame retardant, high-temperature thermoplastic housing
- Remote capabilities (6 volt) - up to 8 watts
- AC lockout for ease of installation and installer protection
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Charge rate/power "ON" LED indicator light with test button
- UL recognized maintenance-free lead acid battery
- UL listed 90 minute emergency run time, 24 hour recharge time
- Universal J-Box mounting system
- Standard finishes: Black or White
- 120/277V dual primary, 60Hz input
- Suitable for damp location

While Supplies Last  
(Limited Configurations)



**WARRANTY**

Any component that fails due to manufacturer's 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 Exitronix full warranty document for detailed information.

**ORDERING INFORMATION**

SKU	Description	Stock
LL90	Thermoplastic Emergency Light, (2) 6V 5.4W Tungsten Wedge Base Lamps, Lead Acid Battery, Damp Rated, White Finish	✓
LL90-G2	Thermoplastic Emergency Light, (2) 6V 5.4W Tungsten Wedge Base Lamps, Lead Acid Battery, Damp Rated, White Finish, Self Test/Self Diagnostic	✓
LL90-R	Thermoplastic Emergency Light, (2) 6V 5.4W Tungsten Wedge Base Lamps, Lead Acid Battery, Damp Rated, White Finish, Remote Capable (11w total)	✓
LL90H-R	Thermoplastic Emergency Light, (2) 6V 5.0W Tungsten Halogen Bi-Pin Lamps, Lead Acid Battery, Damp Rated, White Finish, Remote Capabe (Total of 11W)	✓

## CONSTRUCTION

The LL90 is a precision molded unit with lamp housings constructed of UV stable UL 924 5VA flame retardant, corrosion proof thermoplastic. Units resist denting, peeling, scratching and corrosion. Not recommended for outdoor use. Tool-less access provided for easy maintenance, universal J-box mounting pattern and keyhole slots provided for simple installation.

## ILLUMINATION

Two fully adjustable, attractive, square shaped lamp heads with rounded corners and vacuum metalized reflectors allow for maximum light to be delivered to the path of egress.

Emergency lights consist of two 6 volt, 5.4 watt high intensity incandescent lamp heads. Units with remote capability utilize two 6v, 4.6 watt high intensity incandescent lamp heads.

## ELECTRICAL

### Input

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

### Sealed Lead Acid Battery - SLA

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 perform optimally in temperatures ranging from 59°F - 104°F (15°C - 40°C).

### Brownout Circuit

Brownout circuit monitors the line voltage, as the line voltage sags and can no longer provide adequate voltage the emergency lighting circuit will turn on to supply power to the emergency lamps for 90 minutes until line voltage is restored.

### Low Voltage Disconnect

Low Voltage Disconnect (LVD) measures the battery terminal voltage. The LVD continuously monitors the battery terminal voltage and if it should fall below a preset voltage threshold, the LVD will disconnect the load. When the battery is recharging and voltage is raised above another preset voltage threshold, the load is automatically reconnected.

### Solid-State Transfer

The circuit features solid-state switching for emergency lamps, eliminating concerns of damaged contact or mechanical failures associated with relays. The switching circuit detects a loss of line voltage and automatically switches to emergency mode.

### Overload and Short-Circuit Protection

The overload monitoring system is a solid state circuit which monitors the lamp load and disconnects from the battery shall an overload or short circuit occur. The overload current protection eliminates the need for fuses or circuit breakers for the DC load.

### Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

## INSTALLATION

Units are mountable in any orientation, on wall or ceilings. A universal mounting pattern and rear keyhole slots are provided.

### 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.

### Remote Capable (Option: R)

The R option provides this unit with an additional 8 watts of remote for use with any remote traditional lamps. The LL90-R series is also RENEGADE compatible – 3.6W LED per head.

## CONFORMANCE TO CODES & STANDARDS

The LL90 Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

## DIMENSIONS

