

The LED90 Series combines a low-profile, contemporary appearance with LED economy and dependability. Fully adjustable heads complement any application.

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

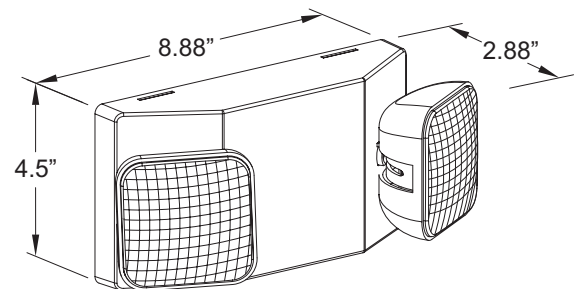
**FEATURES & BENEFIT**

- Two (2) fully adjustable, 1W LED lamps
- Low-profile, streamlined, thermoplastic housing
- Remote capable (Option R: 1.5W) or (Options G2-R: 2W), compatible with [JLED](#), [RL1-WP](#) and [RL52](#) remote lamps
- cULus 924 Listed for Damp Locations
- California Energy Commission (CEC) Compliant



**SPECIFICATIONS**

- Illumination:** Two (2) 1W LED lamps, 210 lumens total
- Housing:** UL 94 5VA flame-retardant, high-temperature thermoplastic housing
- Input:** 120/277VAC Dual primary, 60Hz
- Battery:** Maintenance-free NiCad battery (standard) or LiFePO4 battery (G2 and G2-R only)
- Operating Temp:** 10°C to 40°C (50°F to 104°F)
- Run Time:** cULus Listed 90 minute emergency run time, 24 hour recharge time
- Mounting:** Ceiling or wall mount with universal J-box mounting pattern
- Finishes:** Black or White
- Options:** G2 - Self-test/Self-diagnostics  
R - 1.5W Remote Capable (Units with G2-R have 2W Remote Capacity)
- Certifications:** cULus 924 Listed for Damp Locations and CEC compliant, meets or exceeds NEC requirements and NFPA 101
- Warranty:** Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five 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. (Terms and Conditions apply)



**ORDERING INFORMATION Example: LED90-WH-G2**

Series	Finish	Options (Factory Installed)	Accessories <sup>5</sup> (Field installed, order as separate line item)
LED90	[BLANK] = White	G2 = Self-test/Self-diagnostics	WG-S = Wire Guard (Back Mount)
	BL = Black	R <sup>1,2</sup> = 1.5W Remote Capacity	WPV-2 = Wet Location/Vandal Guard (Back Mount)
<b>Notes</b>			XG-90 = Poly Guard (Back Mount)

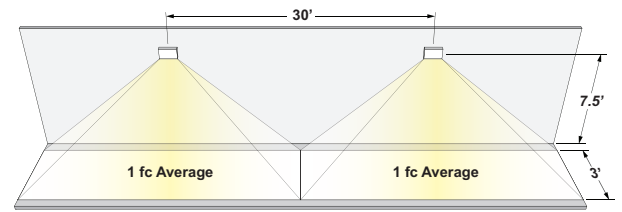
<sup>1</sup> Compatible with [JLED](#), [RL1-WP](#) and [RL52](#) remote lamps

<sup>2</sup> Units with G2-R have 2W remote capacity (not a UL Listed option)

<sup>3</sup> Order as separate line item

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

Model	# of LED Lamps	3' Path, 6' Corridor
LED90	2	30'



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.

**ELECTRICAL RATINGS**

Model	Battery	Brownout	Low Voltage Disconnect	Overload Disconnect	Short Circuit Disconnect	Solid State Transfer	Input				Output		
							VAC	Hz	mA	W	Lamp Heads	Lumen Output	Remote Capability
LED90-XX	NiCad 3.6V 1000mA	No	Yes	No	No	Yes	120/277	50/60	85	0.8	2 x 1W	240 lm	N/A
LED90-XX-R	NiCad 3.6V 1000mA	No	Yes	No	No	Yes	120/277	50/60	110	1.0	2 x 1W	240 lm	3.6V 1.5W
LED90-XX-G2	LiFePO4 3.2V 1500mA	Yes	Yes	Yes	Yes	Yes	120/277	50/60	40	3.3	2 x 1W	210 lm	N/A
LED90-XX-G2-R	LiFePO4 6.4V 2000mA	Yes	Yes	Yes	Yes	Yes	120/277	50/60	58	3.6	2 x 1.5W	460 lm	6V 2W

**CONSTRUCTION**

The LED90 is a precision-molded unit with lamp housings constructed of UV-stable, 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**

Illumination is accomplished utilizing high-intensity, long-life LEDs. LED90 comes standard with two (2) fully adjustable 1W lamps. LEDs provide excellent illumination while maximizing energy efficiency and are a maintenance-free solution.

**ELECTRICAL**

**Input**

Dual-voltage input 120/277VAC @ 50/60Hz

**Nickel Cadmium Battery – NiCad**

Exitronix nickel cadmium batteries are maintenance-free.

**LiFePO4 Battery (G2 and G2-R Only)**

Exitronix LiFePO4 batteries are maintenance-free.

**Emergency**

The LED90 will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

**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 for ease of installation.

**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.

**OPTIONS**

**Guardian G2 Self-test/Self-diagnostics**

The Guardian bi-color circuit is factory preset; without any field adjustments needed. It continuously monitors the performance condition of the AC power, battery supply, and charging circuitry.

The intent of this option is to provide visual signaling to identify fault at the Exit. Fault indicators are as follow:

1. Green: On/Ready  
Blinking: Testing
2. Red: Service Alert
3. Service Alert LED Code (Red LED Lamp Indicator)

•	One blink ON/pause (4 second)	Battery not connected
• •	Two blinks ON/pause (4 second)	Battery voltage too low
• • •	Three blinks ON/pause (4 second)	Charging circuit fault
• • • •	Four blinks ON/pause (4 second)	Transfer function failure
• • • • •	Five blinks ON/pause (4 second)	Integral lamp fault

**NOTE:** After solving the fault of the emergency equipment, press the test button for two seconds without releasing to reset. LED indicator will show green.

Self-testing/Self-diagnostics also has a manual test function, press test button as follows:

Press test button once	30 Second discharge test
Press test button twice within two seconds	3 Minute discharge test
Press test button three times within two seconds	30 Minute discharge test
Press test button four times within two seconds	90 Minute discharge test

**Remote Capable (Option: R)**

The R option provides this unit with an additional 1.5W of remote power (units with G2-R have 2W of remote power), compatible with [JLED](#), [RL1-WP](#) and [RL52](#) remote lamps.

**CONFORMANCE TO CODES & STANDARDS**

The LED90 Series is cULus Listed for Damp Locations and CEC compliant, meets or exceeds the following: UL 924, NEC requirements and NFPA 101.