

# COMPACT DESIGN STEEL HOUSING LED EMERGENCY LIGHTS WITH OPTIONS

Code: EL-XLL



## FEATURES

- Meet UL 924 Standards, meets or exceeds NEC, OSHA and NFPA Life Safety Code 101 standards. CEC Title 20 Compliant
- Assembled in the USA
- Dual 120/277 VAC input
- Rugged 20 gauge steel housing in corrosion resistant epoxy powder coated finish
- Surge protected, solid state circuitry
- Time delay (optional) allows lamp heads to stay illuminated for 15 minutes following restoration of AC power
- Indoor use only; operating temperature: 50°F to 104°F
- Maintenance-free battery
- Battery lockout circuit allows battery connection even when AC power is not available
- Low voltage disconnect (LVD)
- Charge rate / power on indicator

Combines performance and dependability into a rugged 20 gauge enclosure. Available in a wide variety of battery wattages and lamp styles to compliment any application. When ordering, specify voltage, wattage, number and type of lamp heads, housing color and options (see below for options and catalog code).

## WARRANTY INFORMATION

Any component that fails due to manufacturer's defect is guaranteed for 1 year. The warranty only covers products installed and maintained in accordance with the instructions provided by their respective manufacturer and no warranty is made with respect to any of our products that are otherwise installed or maintained. For full warranty details, visit our Warranty Section.



## Conformance to Codes and Standards

ETL listed to meet UL 924 standards. Meets or exceeds N.E.C. OSHA, cULus, and N.F.P.A. Life Safety Code 101 standards.

## ORDERING INFORMATION

Series	Housing Color	Number of Lamps	Battery	Wattage	Lamp Head Type	Options
EL-XLL	W (White)	0L (No Lamps)	6V Lead Calcium	6V 12W Lead Calcium	NL (No Lamps)	TD (Time Delay)
	B (Black)	2L (2 Lamps)	6V NiCad	6V 18W Lead Calcium	2L6V5W (2 Lamps 6V 5W)	ST (Self-Testing)
			12V Lead Calcium	6V 27W Lead Calcium	2L12V5W (2 Lamps 12V 5W)	WG (Wire Guard)
			12V NiCad	6V 36W Lead Calcium	2L12V7W (2 Lamps 12V 7W)	PG (Poly Guard)
				6V 60W Lead Calcium		

				12V 27W Lead Calcium		
				12V 36W Lead Calcium		
				12V 60W Lead Calcium		
				6V 22W NiCad		
				6V 42W NiCad		
				6V 54W NiCad		
				6V 90W NiCad		
				12V 42W NiCad		
				12V 90W NiCad		

## CONSTRUCTION

The EL-XLL 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, lamp heads allow for maximum light to be delivered to the path of egress with attractive PAR 18 5W or 7W LEDs. Up to 4 lamp heads (limited by unit's total capacity) may be installed on each emergency light.

## ELECTRICAL COMPONENTS

Dual 120V or 277V voltage input at 60hz also 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.

## EMERGENCY OPERATION

Charging system includes low voltage disconnect (LVD), temperature compensation, AC lockout, brownout protection, AC indicator lamp, and test switch. High charge and AC ready.

## BATTERY - BATTERY BACKUP

Maintenance-free, sealed lead acid or NiCad battery provides 90 minute emergency run time. Features a brownout circuit that 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.

## SELF-TESTING OPTION

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.

## OPERATIONAL TEMPERATURE

Temperature Ratings	
Standard Option	50°F to 104°F

## REMOTE HEAD CAPABLE OPTION

The EL-XLL Emergency Light is remote head capable. The lamps would then operate on the same emergency mode as the standard units (see Emergency Operation Section).

The number of remote heads supported is determined by the light operation type. For example, if the operation selected is 6V 36W with (2) 9W Lamps, 2 additional 9W lamps can be supported.

**36W is the maximum wattage this operation type supports:**

**9W + 9W = 18W (Included Lamps)**

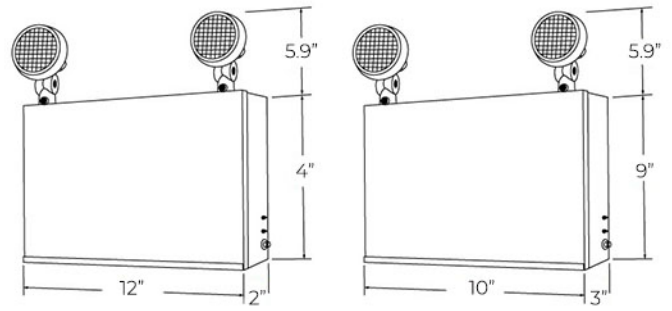
**36W – 18W = 18W (Wattage left to use)**

**36W ÷ 9W = 4 (Number of Lamps that be added)**

## INSTALLATION

The EL-XLL Emergency Light offer a universal mounting pattern for easy wall mount installation. Terminal connectors allow for larger gauge wires to be connected for remote loads.

## DIMENSIONS



12-60W Model

90W Model

Weight : 15.00 lb

## PHOTOMETRICS

6V5W Model: Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 53ft for a 3ft path of egress.**

6V5W Model: Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 50ft for a 6ft path of egress.**

12V5W Model: Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 101ft for a 3ft path of egress.**

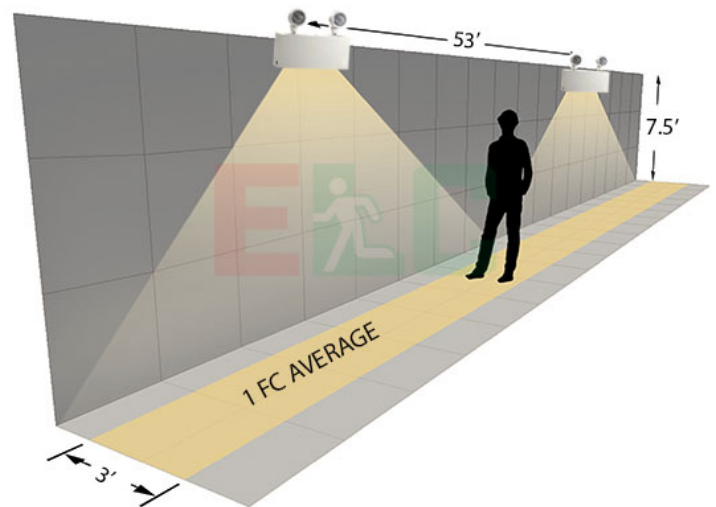
12V5W Model: Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 96ft for a 6ft path of egress.**

12V7W Model: Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 104ft for a 3ft path of egress.**

12V7W Model: Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 99ft for a 6ft path of egress.**

### Disclosure:

Spacing is measured in lab condition with an assumed open space, no obstruction and reflection rates of 80 (ceiling) / 50 (walls) / 20 (floor). Actual spacing may vary depending on what environment the fixture is installed in.



\*6V5W Model

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