

## LL90HW HIGH WATTAGE EMERGENCY LIGHTING UNIT

Model Number: Approvals:

### STANDARD FEATURES

• Steel or plastic construction

Job:

- Dual voltage input 120/277 VAC, 60 Hz
- Maintenance free, sealed lead calcium battery, 24 hour recharge time
- Low voltage disconnect prevents deep discharge
- Brownout protection
- Fully automatic, solid state charger
- Test switch with LED charge indicator / AC voltage indicator
- Line latching feature prevents the unit from turning on during installation to a non-energized AC circuit
- Fully adjustable 9 watt, glare-free heads
- Optional G2 Self-Test/Self-Diagnostics available
- Low profile test switch and LED indicator light
- UL Listed for damp location use
- UV stable thermosplastic

#### WARRANTY

Any component that fails due to manufacturer's defect is guaranteed for 1 year from time of shipment. Battery is prorated for 5 years. Warranty does not apply to damages caused by improper installation, abuse, fire or acts of God.

#### CONFORMANCE TO CODES & STANDARDS

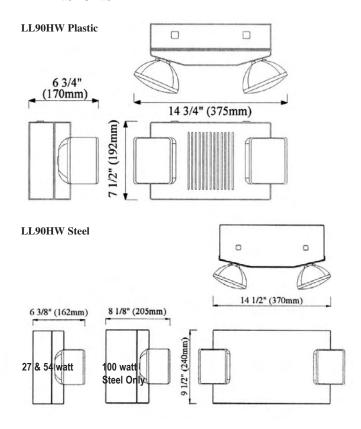
Exitronix products are electrically safe and meet or exceed the following: UL 924, N.E.C., OSHA, and N.F.P.A. Life Safety Code 101.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



The LL-90HW combines either 6 or 12 volts with wattage capabilities of 27, 54, or 100 into a low-profile, contemporary housing design. Built for dependability, this economical unit offers solid-state electronics and fully adjustable designer heads to compliment any environment.

#### **DIMENSIONS**



#### CONSTRUCTION

<u>Plastic:</u> Precision molded housings constructed of UV stable UL 924 V-0 flame retardant thermoplastic. Units resist denting, peeling, scratching, and corrosion. Tool-less access provided for easy maintenance, universal J-box mounting pattern and key hole slots provided for simple installation. Knockouts are provided on the top, back, and sides for easy wire entry. Standard finish is textured white, also available in black.

**Steel:** Die formed 20 gauge steel housing with epoxy powder coat finish. White finish is standard. Universal J-box mounting patter and key hole slots provided for simple installation. Knockouts are provided on top, back, and sides for easy wire entry.

#### **ILLUMINATION**

Two fully adjustable, attractive, square shaped lamp heads with rounded corners and vacuum metallized reflectors allow for maximum light to be delivered to the path of egress. Units supplied with (2) 9 watt wedge based tungsten lamps as standard.

#### **ELECTRONICS**

120/277 VAC dual voltage input with surge protected, solidstate regulated charging circuitry. The system is provided with low voltage disconnect, line-latch, brownout protection, AC indictator LED lamp and test switch. Steel units also feature a high-charge indicator LED. Regulated charge voltage prevents over/under charging that shortens battery life and reduces capacity. The brownout protection circuitry will automatically switch the unit into emergency mode if the utility voltage sags below 20% of nominal. Line-latch circuitry prevents the unit from turning on during installation to a non-energized AC circuit, saving time in reconnection of battery terminals.

#### **BATTERY**

Maintenance-free, sealed lead acid battery provides 90 minutes of illumination at full light output. Low-voltage disconnect prevents deep discharge and maintains battery life. The suggested operating temperature range is 65°F (19°C) to 85°F (30°C).

#### **SELF-TESTING/**

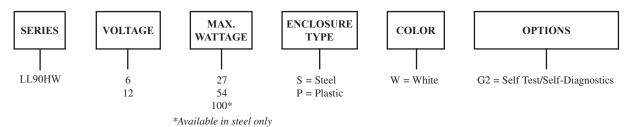
#### **SELF-DIAGNOSTIC OPERATION** (Option: G2)

Circuitry continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity, transfer circuit, and charging circuit. Circuit also provides a self-testing automatic code compliant feature. The self-test feature will perform a full function test of the equipment in emergency mode for five minutes every month, and a 90 minute test twice a year. If a failure is detected, visual status will occure through a series of blinkds on the LED indicator. LED will blink until fault has been corrected.

#### **OPERATION**

Туре	AC Volts	Input Amp	Max Volts	Output Volts	Watts Output (hour)			
					1½	2	4	
LL90HW-6-27	120	.10	5.2	- 6	27	20	10	
	277	.04	5.6					
LL90HW-6-54	120	.25	7.4	- 6	54	40.5	20	
	277	.108	7.4					
LL90HW-12-54	120	.25	11	- 12	54	40.5	20	
	277	.108	11.1					
LL90HW-12-100	120	.3	33	- 12	100	77	47	
	277	.108	34					

#### **ORDERING INFORMATION:**



NOTE:

LL90HW is shipped standard with (2) 9 watt heads

# YOUR LOCAL REPRESENTATIVE IS:



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