

The LL90HW-6NM-8 combines 60' on-center spacing 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.

FEATURES

- Completely self-contained
- Enclosure constructed of rugged 20 gauge steel
- Fully adjustable LED lamp heads offer 60' on-center spacing
- 6 Volt with a power rating of 8.4 Watts
- AC lockout for ease of installation and installer protection
- Low voltage disconnect eliminates deep discharge
- Brownout, short circuit and voltage surge protection
- Charge rate/power "ON" LED indicator light with test button
- Maintenance-free NiMH battery
- Universal J-box mounting system
- Standard with Guardian Self-test/Self-diagnostics (G2)
- Standard finish: White
- 120/277VAC dual primary, 60Hz input
- Assembled in the U.S.A. with global components

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.

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



ORDERING INFORMATION Example: LL90HW-6NM-8-S-W-G2-REN1

Model	Description
LL90HW-6NM-8-S-W-G2-REN1	Emergency Light, 6V/8W, NiMH Battery, (2) 3.6W LED, PAR18 Lamps, Steel Enclosure, White Finish, Self-test/Self-diagnostics
Notes	
¹ Order as separate line item	Accessories¹ (Field Installed) WG-A = Wire Guard (Back Mount) XG-PS = Poly Guard (Back Mount)

CONSTRUCTION

Die-formed 20 gauge steel housing with epoxy powder coat finish. White finish is standard. 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.

ILLUMINATION

Two fully adjustable, attractive, round 3.6W PAR18 LED (REN1) lamp heads deliver 60° on-center path of egress.

ELECTRICAL

Input

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

Sealed Nickel Metal Hydride – NiMH

Exitronix nickel metal hydride batteries are maintenance-free and perform optimally in temperatures ranging from 0°C to 40°C (32°F to 104°F).

Emergency

The LL90HW-6NM-8 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 the 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, the 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.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short Circuit Protection

The Solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short circuit is removed. This overload current protective characteristic 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

A universal mounting pattern and rear keyhole slots are provided for wall mounting.

ARRA (STANDARD)

Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 1 compliance when the option is requested – please call factory for details with questions.

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 EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

CONFORMANCE TO CODES & STANDARDS

The LL90HW-6NM-8 Series meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

DIMENSIONS

