

Model Number:

Approvals:

Type:

Job:

STANDARD FEATURES

- Damp location rated
- Universal J-box mounting with quick-connect adapters for fast, simple installation
- Compact, low profile design
- Unique, fully adjustable square lamp heads
- Completely self-contained
- Fully automatic operation
- 6-volt premium grade, lead-acid, maintenance-free battery with 10 year expected life
- Environmentally coated, solid state charger
- Low voltage disconnect, protects battery from deep discharge
- 120/277 VAC operation
- Fully adjustable 5.4 watt tungsten (LL90) or 5 watt halogen (LL90H) glare-free lighting heads (optional Krypton lamps available)
- Injection-molded, V-0 flame retardant, high impact, thermoplastic housing
- Low-profile test switch and LED charge rate indicator light
- Regulated charge voltage
- AC lockout
- Overload/short circuit protection
- Brown-out protection
- ETL listed



The LL90, LL90R, and LL90H combine a low-profile, contemporary appearance with economy and dependability. Both incorporate fully adjustable designer heads to compliment any environment.

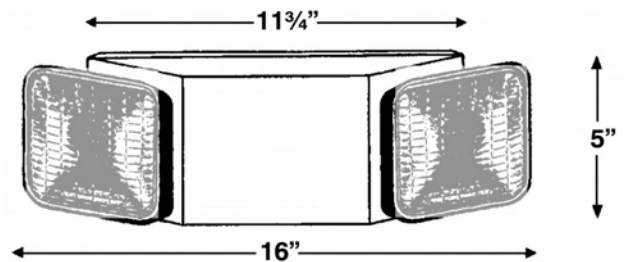
AVAILABLE REMOTE HEADS



LL90R REMOTE CAPACITY FEATURES

- Remote capabilities with a total of 11 watts
- 6 volt, 7ah lead-acid battery
- Same low-profile design as LL90

DIMENSIONS



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



CONSTRUCTION

Unit & Lamp Housing: Precision molded housings constructed of flame retardant, corrosion proof thermoplastic. Units resist denting, peeling, scratching and corrosion. Not recommended for outdoor use.

Finish: Textured white or black.

INSTALLATION

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

ELECTRONICS

120/277 VAC dual voltage input with surge protected, solid state circuitry.

EMERGENCY OPERATION

Charging circuit is solid state type with constant current charge and transfer design. Circuit is brown-out protected and provides a minimum of 90 minutes of emergency run time and recharge time of 12 hours. Push to test switch and an LED AC indicator provides simple means for manual test.

BATTERY

Maintenance-free, sealed Lead Acid Battery provides an estimated service life of 10 years with an operating temperature range of 65°F (19°C) to 85°F (30°C).

SELF-TESTING /

SELF-DIAGNOSTIC OPERATION (Option: G2)

The circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

If a failure is detected, visual status will occur immediately via the multi-colored LEDs. LED indicator(s) will illuminate until fault has been corrected.

The G2 also monitors the transfer circuit as well as performing automatic code compliant testing. The self-test will operate the equipment in emergency mode five minutes every 28 days. Also, a 90 minute full-function test is performed every six months.

CONFORMANCE TO CODES & STANDARDS

ETL listed. Meets UL 924, NFPA 101 (Life Safety Code) NEC, OSHA and Energy Star illumination standards. Meets state of Minnesota energy-efficient legislation requiring less than 20 watts of power consumption.

WARRANTY

Any component that fails due to manufacturer's defect is guaranteed for 5 years 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.

Catalog Model#	Emergency Operation	Voltage Input	Lamp Wattage	Total Connected Heads/Fixtures		
				4-Hrs	2-Hrs	1/2 Hrs
LL90	90 min	120/277V	2X5.4W	N/A	N/A	2
LL90R	90 min	120/277V	2X4.6W	N/A	1	2
LL90H	90 min	120/277V	2X5.0W	N/A	N/A	2
LL90HR	90 min	120/277V	2X5.0W	N/A	1	2

ORDERING INFORMATION:

LL90

MODEL

LL90 = Standard Unit
LL90R = Remote Capacity (11 Watts)
LL90H = 5 Watt Halogen
LL90HR = 5 Watt Halogen w/Remote Capacity (11 Watts)

BL

COLOR

Blank = White
BL = Black

C

OPTIONS

G2 = Self Test / Self Diagnostics
KRP = Krypton Lamps
LC = 3' Line Cord

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