



HL-High Capacity Series

Commercial Emergency Unit

Description

Economical emergency lighting unit features low profile silhouette, high wattage output and fully adjustable, glare-free lighting heads. Unique entry design requires no tools.

Features

- Attractive contemporary styling
- UV stable, UL94-5V rated thermoplastic housing in neutral cream finish
- Entry design requires no tools
- Fully adjustable, rectangular glare-free lighting heads standard
- Maintenance-free lead calcium battery
- 90 Minutes of emergency illumination
- Universal 120/277VAC input
- Fully automatic, temperature compensating, variable rate float charger standard
- Automatic low voltage battery disconnect protects battery from deep discharge
- Automatic brownout protection
- AC lockout feature reduces installation time
- Momentary test switch and AC ready indicator
- Meets NFPA Life Safety Code 101, NEC, OSHA, State and local Codes
- UL924 listed
- UL Damp Location listed



Ordering Guide

Model No.	Volts	Watts For 1 1/2 Hrs.	Watts For 2 Hrs.	Watts For 3 Hrs.	Watts For 4 Hrs.	Standard Lamp	Weight (Lbs.)
HL-627	6	27	21	15	11	9W (-04)	8
HL-654	6	54	42	30	23	9W (-04)	12
HL-1254	12	54	42	30	23	9W (-51)	12

NOTE: All product specifications shown are subject to change without notice.

Specifier Reference

Project: _____
 Fixture Type: _____
 Model No.: _____
 Comments: _____

Accessories

Order Model	Description
PG-5	Wire Guard
VERS	Vandal/Environmental Shield
VERS-4X	Vandal/Environmental Shield with Gasket
902-W-04	Rectangular Remote Head-Single (6V, 9W)
903-W-04	Rectangular Remote Head-Double (6V, 9W)
902-W-51	Rectangular Remote Head-Single (12V, 9W)
903-W-51	Rectangular Remote Head-Double (12V, 9W)
900-W-04	Round Remote Head-Single (6V, 9W)
901-W-04	Round Remote Head-Double (6V, 9W)
900-W-51	Round Remote Head-Single (12V, 9W)
901-W-51	Round Remote Head-Double (12V, 9W)

Construction

Housings: Housings are constructed of impact resistant, UV stable, UL 94-5V flame-rated thermoplastic in neutral cream finish.

Lighting Head Assemblies: Lighting heads are fully adjustable and constructed of impact resistant, UV stable, UL 94-5V flame-rated thermoplastic in matching neutral cream finish.

Installation

Mounting: Units may be mounted to wall surfaces by means of keyhole knockouts. Universal mounting knockouts in the housing back allow attachment to standard 3 1/2" and 4" electrical boxes.

Illumination

High output incandescent lamps and a specially designed refractory lens assembly provides glare-free light distribution.

Lamp Type: Incandescent - wedge base

Lamp Rating: 6 or 12 volts, 9 watts

(depending on model) Other lamps available, consult factory for details.

Lamp Life: 100 hours (expected average)

Code Information

All models are UL924 and Damp Location Listed and meet NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes

Charger and Electronics

Charger Type: Fully automatic, temperature compensating, variable rate float charger

Utility Input: 120/277VAC, 60 Hz.

Power Consumption: 15 watts (maximum)

Temperature Range: 32°F to 104°F (0°C to 40°C)

Recharge Duty Cycle: 24 hours

Load Transfer: A solid state transfer circuit provides load connection.

Controls: Momentary test switch and LED AC-On indicator light

Safety Circuitry:

AC Lockout: Prevents battery discharge prior to initial unit power-up saving installation time.

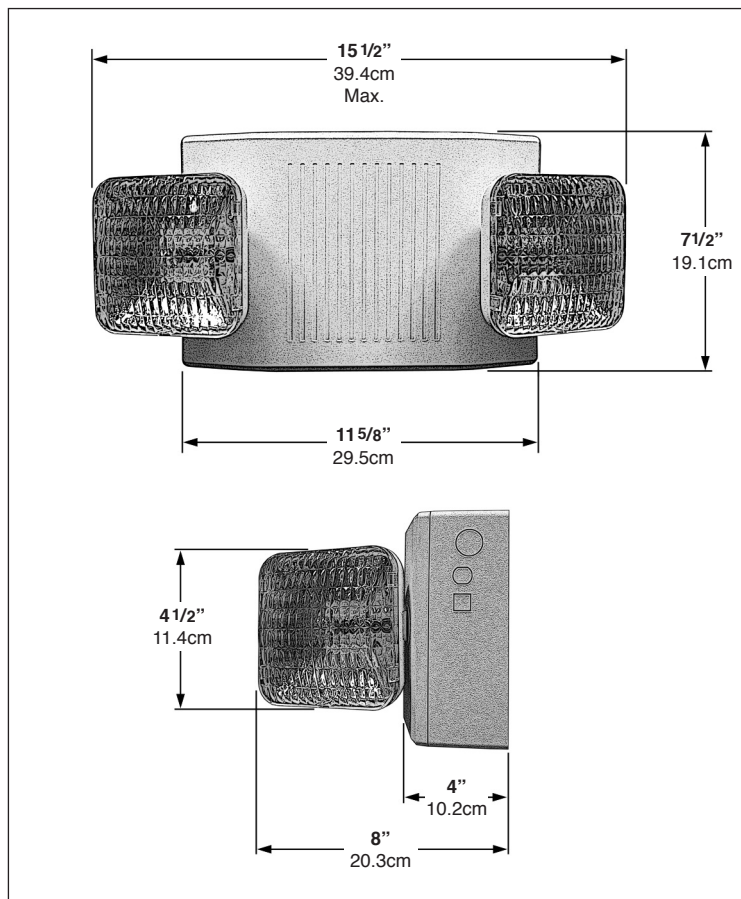
Low Voltage Battery Disconnect: Protects the battery from being severely damaged by deep discharge during prolonged power failures.

Brownout Protection: Automatically switches the unit to emergency mode when utility voltage is reduced to the point at which most fluorescent light fixtures would extinguish.

Emergency Operation

Upon failure of the normal utility power, a solid-state transfer switch automatically connects the unit's battery to the emergency lamps. Emergency illumination will be supplied for a minimum of 90 minutes. During emergency operation, the unit battery is protected from severe discharge damage by an automatic low voltage disconnect that discontinues unit operation when battery voltage reaches 87.5% of nominal. When normal utility power is restored, the battery is automatically disconnected from the load and a recharging cycle begins that will return the battery to full capacity within 24 hours.

Dimensions



Optional Self-Diagnostic Circuit

The optional SX7 self-diagnostics circuit automatically performs a monthly one minute confidence test and a semi-annual 90 minute full discharge test. A tricolor panel mounted LED provides the unit's operating status at a glance.

The SX7 circuitry is capable of detecting a defective or disconnected battery, a non-operational lamp or a defective load transfer circuit. Any or all of these conditions is communicated visually by the tricolor LED indicating the need for prompt service. A momentary test switch is provided that allows a user initiated 15 or 90 minute test cycle at any time. SX7 circuitry provides full code compliance as a self-testing unit.

Battery

Standard Battery: Sealed lead calcium maintenance free battery designed to provide many years of dependable service.

Warranty

Unit: (excluding lamps) 3-years full coverage against defects in materials and workmanship from date of shipment

Battery: 3 years full warranty plus an additional 7 years of pro-rata coverage