

DESCRIPTION

The SureLites LED combo series is a Chicago approved and UL924 code compliant solution for Exit and Emergency needs. The Exit consists of a steel housing with a glass lens and long life white LED's. The fixture can be end or back mounted to a junction box, mounted to a pendant or to conduit. Two 300 lumen LED emergency lights powered by a nickel cadmium battery for 90 minutes of run time are mounted to the top of the fixture. The fully adjustable LED heads provide up to 60 feet of emergency egress coverage.

SPECIFICATION FEATURES

Electronic

- Universal Voltage Input 120-277 VAC, 50-60 Hz
- EZ Key External Battery Disconnect
- Field selectable voltage for brownout circuit
- Solid-state Voltage Limited Charger
- Low-Voltage Disconnect-Overload/Short Circuit Protection
- Test Switch/Power Indicator Light

Battery

- Sealed Nickel Cadmium for Exit and Emergency
- Full Recharge Time, 24 hrs. (max.)
- Single Battery powers both Exit Sign and Emergency Heads

Housing Construction

- 20-gauge steel housing
- White Finish
- Universal pattern knockouts on rear for direct mounting to junction box
- Knockouts for conduit, pendant, top mount and end mount are standard
- Red silk-screened lettering on white, heat tempered, impact resistant glass lens
- Other open face lenses available- consult Eaton Lighting representative
- Lens installs from side of fixture for more convenient, safe maintenance

Code Compliance

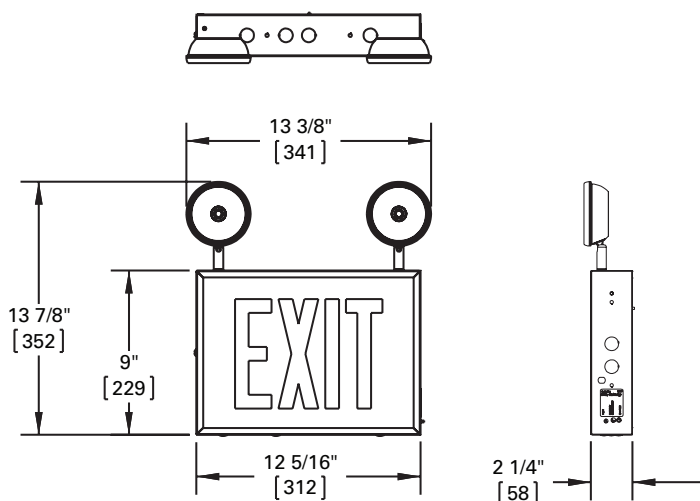
- UL 924 Listed
- Life Safety NFPA 101
- NEC/OSHA
- City of Chicago Fire Code

Warranty

- Unit: 5-year
- Nickel Cadmium Battery: 7-year pro-rata

Lamp Data

- Two fully adjustable 300 Lumen Heads
- Sign Face – High Brightness White LEDs



CATALOG LOGIC

Series	Battery	Face Options	Arrow Options	Stair Options
CHXC	7 = Self-powered	1 = Single face 2 = Double face	_ = No arrow AR = Arrow Right AL = Arrow Left DA = Double Arrow ARL = Arrow Right/Left (Double face only)	Blank= Exit sign -Stair = Stair

Catalog #	Type
Project	
Comments	Date
Prepared by	



CHXC SERIES

CHX COMBO SERIES

STEEL EXIT

SELF POWERED

LED EMERGENCY

LED EXIT

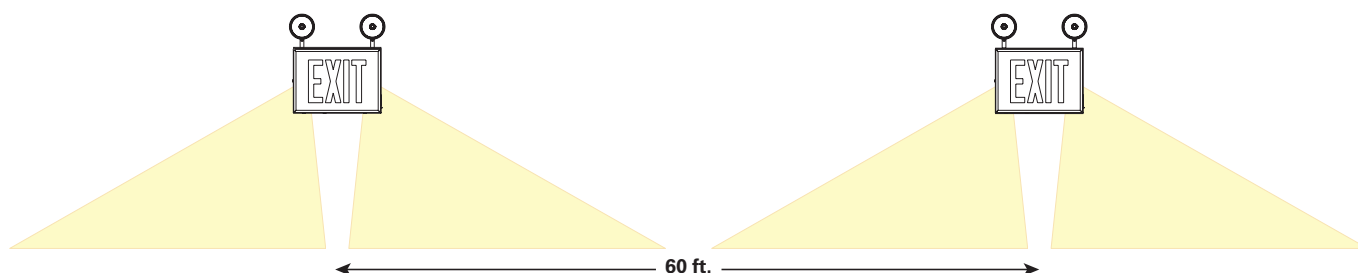
CHICAGO EXIT LIGHTING

ENERGY DATA

Maximum power consumption under all charge conditions:

Total Fixture:
Input Power: 3.6W

PHOTOMETRICS



TECHNICAL DATA

Lamps

CHXC Series Exits use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. Two 300 Lumen output LED heads provide 90 minutes of illumination during a power outage.

Housing Construction

Exit housing is constructed of durable 20-gauge cold rolled steel with corrosion resistant polyester powder coat paint finish. All exits can be mounted and wired through knockouts located on the top and side. Surface mount back panel has knockouts for direct mounting to junction box. The mounting canopy is made of cold rolled steel in matching finish. Impact resistant, heat tempered glass lens and back plate install in channels in the exit housing to eliminate light leaks.

Heads

All metal formed aluminum lampheads. The diecast metal three dimensional swivel assembly permits approximate aiming adjustment from 80° vertical and 358° rotation.

Lens

The lens provided is made of impact resistant, heat tempered glass. Red lettering is silk-screened on a white background. Full stroke arrows are provided as specified.

Solid-State Charger

Supplied with a 120 through 277 V universal input, voltage regulated solid-state charger. Immediately upon restoration of AC current after a power failure, the charger provides a high charge rate. The charge circuit reacts to the condition of the battery and alters the rate of charge in order to maintain peak battery capacity and maximize battery life. Solid-state construction recharges the battery following a power failure in accordance with UL 924.

Overload and Short Circuit Protection

The solid-state overload monitoring device 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 feature eliminates the need for fuses or circuit breakers for the DC load.

Solid-State Transfer

These exits incorporate solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energize the lamps. Upon restoration of AC power, the emergency lamps will switch off and the charger will automatically recharge the battery.

Sealed Nickel Cadmium Battery

Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 10 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures.

EZ Key-External Battery Disconnect

This patented feature prevents the battery from cycling during the construction phase and ensures the battery isn't drained from power cycling.

Warranty

All Sure-Lites products are backed by a firm five year warranty against defects in material and workmanship (excluding lamps). Sealed nickel cadmium batteries carry a 7 year pro-rata warranty.



EZ Key