Sure-Lites

DESCRIPTION

The Sure-Lites CHX Series Exits are the ideal exits for general purpose applications. An extensive range of field installed accessories, choice of faces and the variety of possible mounting configurations permit the tailoring of the basic exit for almost any application. Durable steel construction, attractive styling and high efficiency illumination make this series compatible in commercial, institutional and multi-housing applications. LED technology makes this series both energy friendly and EPACT compliant.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Electrical
- Dual 120/277 VAC Input Voltage
- 3 Watt power consumption

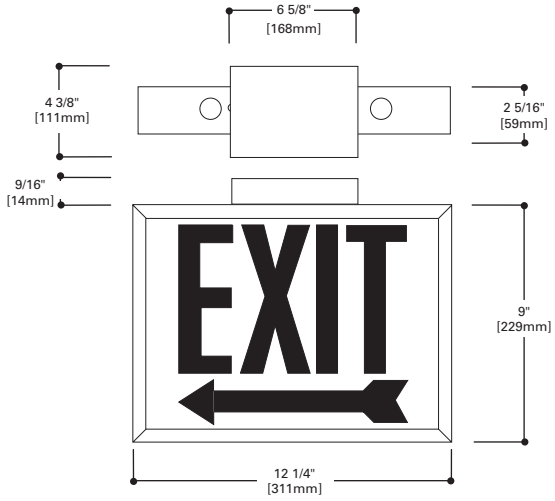
AC Only
- Long life low maintenance low energy consumption LEDs

Self Powered
- Sure-Lites EZ Key patented external battery disconnect feature – prevents unnecessary battery drainage, saves on installation time
- Solid-state Voltage Limited Charger
- Brownout Circuit
- Low-Voltage Disconnect
- Test Switch / Power Indicator Light
- Standard 24 hour recharge time (max)

Housing Construction
- 20-gauge steel housing
- White finish
- Universal pattern knockouts on rear for direct mounting to junction box
- Steel canopy allows ceiling or end mounting
- Red silk-screened lettering on white translucent, heat tempered, impact resistant glass lens
- Other open face lenses available - consult Cooper Lighting representative
- Lens installs from side of fixture for more convenient, safe maintenance

Code Compliance
- Damp Location Listed (-20 to 40 C, -4 to 105 F)
- UL 924 Listed
- Life Safety NFPA 101
- NEC/OSHA
- City of Chicago Fire Code
- EPACT compliant

Warranty
- Exit: 5-Year
- Battery: 15-year pro-rata





CHX SERIES

STEEL EXIT
AC ONLY
SELF POWERED
LED
CHICAGO EXIT LIGHTING

TOTALLY PREDICTABLE RELIABILITY

ORDERING INFORMATION

SAMPLE NUMBER: CHX61

Family	Series	Face Options	Arrow Options	Head Options	Stair Options
CHX=Steel Exit, LED	**6**=AC Only **7**=Self Powered	**1**=Single Face **2**=Double Face	**[Blank]**=No Arrow **AR**=Arrow Right **AL**=Arrow Left **DA**=Double Arrow **ARL**=Arrow Right/Left (double face only)	**[Blank]**=Exit Sign **DH**=Double Head Combo (CHX7 only)	**[Blank]**=Exit Sign **Stair**=Stair (STAIR sign, include dash)

ENERGY DATA
Maximum power consumption under all charge conditions:

LED Exits
Input Power:
120V= 3W
277V= 3W

TECHNICAL DATA

Lamps
CHX Series Exits use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. These white LEDs require no maintenance and consume less than one watt, on average.

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.

Lens
The lens provided is made of impact resistant, heat tempered glass. Red lettering is silkscreened on a white translucent background. Full stroke arrows are provided as specified. Optional photo-luminescent Lens available.

Sure-Lites EZ key External Battery Disconnect (Self Powered Only)
Patented technology that allows installers to externally control the battery connection. Better than line latching, allows installers to choose when the battery is connected so that it stays fresh longer. Allows battery to be disconnected after installation but before building is occupied, enabling emergency circuit to be shut down for power savings.

Brownout Circuit (Self Powered Only)
The brownout circuit on Sure-Lites' exitis monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Solid State Transfer (Self Powered Only)
The LPX Series Exit incorporates 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 energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

Low Voltage Disconnect (Self Powered Only)
When the battery's terminal voltage falls, the low-voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

Test Switch / Power Indicator Light (Self Powered Only)
A test switch located on the side of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

Sealed Nickel Cadmium Battery (Self Powered Only)
Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures, from -20 to 40 C. The specially designed re-sealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

Warranty
The CHX series has a five-year warranty against defects in material and workmanship. Maintenance-free, long-life, sealed nickel cadmium batteries carry a fifteen-year pro-rata warranty.

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Specifications and dimensions subject to change without notice.