

DESCRIPTION

The LPX Series Exits with Heads is an economical, yet attractive, alternative to metal exits. Its contemporary round corner styling, designer white finish, and consistent family appearance enables it to blend with any decor. The tough injection molded polycarbonate materials resist discoloration due to age and ultraviolet radiation. The structural components are made even stronger with reinforcing ribs throughout. All components, including canopy and chevron directional indicators, are of snap-fit construction to facilitate installation; reliable and labor-saving push-in AC connectors are standard to further improve the installation time. The under 5-minute installation time of the LPX Series Exits with Heads makes it the fastest installed exit on the market today. The space efficient housing internally houses the battery and electronics; it also incorporates molded internal wireways to route internal wiring and connections, thus avoiding undesirable shadowing of the exit legend. The LPX Series Exits with Heads is available in universal configurations (single and double face) and have universal mounting capability (ceiling, wall, or end).

SPECIFICATION FEATURES

Electrical

- Dual Voltage Input 120/277 VAC, 60Hz
- Line-latching
- Solid-state Voltage Limited Charger
- Solid-state Switching
- Brownout Circuit
- Low Voltage Disconnect
- Overload/Short Circuit Protection
- Test Switch / Power Indicator Light
- Push-in AC power connectors facilitate installation

Housing Construction

- All components are injection molded, color stable, high impact UL 94-5VA rated polycarbonate material
- Designer white textured finish standard
- Components are of snap-fit construction to facilitate under 5-minute installation
- Reinforcing ribs throughout to provide maximum strength
- Molded-in wireways facilitate internal wire routing and connections
- All components including battery and electronics are located inside the exit housing
- Snap-out or snap-in chevron directional indicators have full 3/4" stroke
- Knockout provided on housing for surface conduit attachment

- Universal exits can be field configured as single face or double face
- Snap-fit canopy with captive mounting screws included with all exits
- Exit can be ceiling, wall, or end mounted
- Universal J-box mounting pattern
- Battery**
- Sealed Lead Calcium
- Maintenance Free, Long Life
- Full Recharge Time, 24 hours (max.); 48 hours (max.) for LPXH units

Code Compliance

- UL 924
- UL 924, 4 hour rated (LPXH Units)
- UL Damp Location Listed
- Life Safety NFPA 101
- CSA Certified
- NEC/OSHA
- Most State and Local Codes

Warranty

- Exit - 1 Year
- Battery - 5 year pro-rata (Lead Calcium)

Lamp Data

- AC LED: Long life LED lamps provide uniform diffused illumination
- DC: LED DC lamps (Brighter in emergency mode)
- Heads DC: 6V, 5.4W incandescent wedge base lamps



LPX SERIES EXITS WITH HEADS

POLYCARBONATE EXIT SELF-POWERED EMERGENCY WITH DOUBLE HEADS LED LAMPS Exit Lighting



ENERGY DATA
Standby Mode (Fully charged Battery): Sealed Lead Calcium Battery

LED Exits - Red

Input Power:
120V = 4.9W
277V = 4.7W
Input Current (Max.):
120V = .07A
277V = .03A
Power Factor:
120V = >.59
277V = >.64
T.H.D.:
120V = <45%
277V = <44%

LED Exits - Premium Deep Green

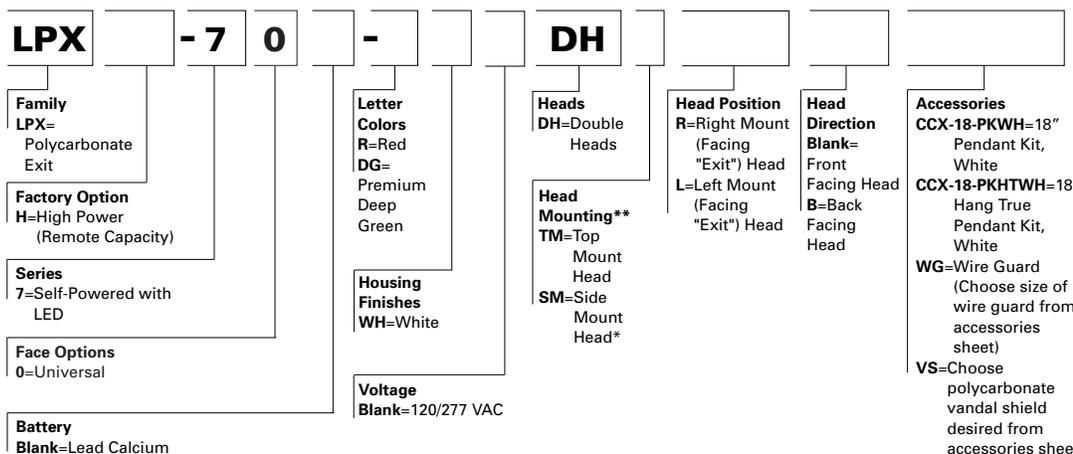
Input Power:
120V = 3.1W
277V = 2.9W
Input Current (Max.):
120V = .06A
277V = .02A
Power Factor:
120V = >.44
277V = >.44
T.H.D.:
120V = <49%
277V = <53%

Charge Mode (Discharged Battery): Sealed Lead Calcium Battery

Input Power consumption is increased by approximately 2.7 watts in the charge operating mode for red units and 3.4 watts for green units

ORDERING INFORMATION

SAMPLE NUMBER: LPX-70-RWHDH



Wattage Ratings

LPXH Lead Calcium=22 W for 1½ hours; 11W for 4 hours

NOTE: ** Any changes to mounting, all head positions must be defined. * Double Headed Side Mount, standard as shown. Does not need "SM".

TECHNICAL DATA

Lamps

The LPX Series Exits with Heads use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. The low operating costs and zero maintenance requirement makes LED lamps the wisest choice for exit signs today. Emergency exit illumination is provided by LED lamps and the heads employ 6V, 5.4W DC incandescent wedge base lamps.

Housing Construction

Rugged, durable, injection molded polycarbonate materials are used throughout the LPX Series Exits with Heads. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity. These materials are impact and scratch resistant, and they have been UV stabilized to resist discoloration due to age and ultraviolet radiation. All components are designed to be of snap-fit construction - no mechanical fasteners - to facilitate installation in under 5-minutes. Any components required for installation (wirenuts, wire leads, universal metal J-box bracket, etc.) are all included with each exit. The universal design of the LPX Series Exits with Heads enables universal exits to be configured as single face or double face in the field. The LPX Series Exits with Heads can be wall, ceiling,

or end mounted; a rugged, snap-fit, low profile canopy with captive screws is included with every exit for ceiling and end mounting applications.

Lens

Lenses for the LPX Series Exits with Heads are made from durable impact resistant polycarbonate. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes.

Line-Latched

Sure Lites' line-latched electronic circuitry makes installation easy and economical. A labor efficient AC activated load switch prevents the lamps from turning on during installation to a non-energized AC circuit. Line-latching eliminates the need for a contractor's return to a job site to connect the batteries when the building's main power is turned on.

Solid-State Charger

Supplied with a 120/277 VAC, 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 regulates the charging process 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.

Brownout Circuit

The brownout circuit on Sure-Lites' exits 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

The LPX Series Exits with Heads 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

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

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.

Overload and Short Circuit Protection

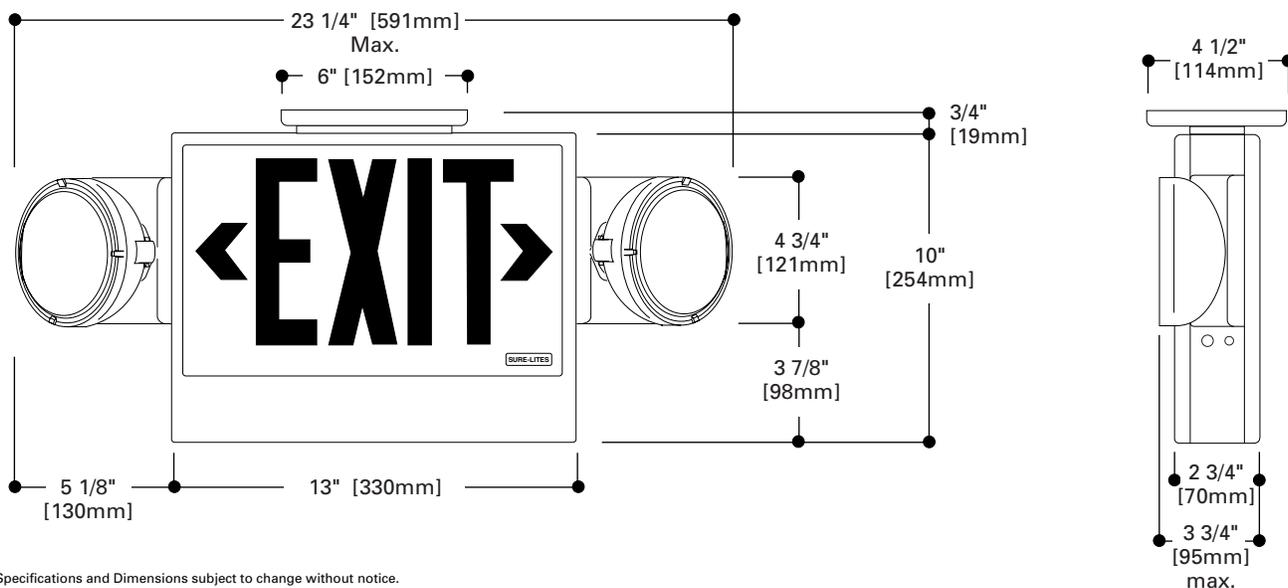
The solid-state overload monitoring device in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short circuit is removed. This overload current protective feature eliminates the need for fuses or circuit breakers for the DC load.

Sealed Lead Calcium Battery

The fully sealed, long-life, maintenance free lead calcium battery is ideal for emergency lighting applications. These recombinant cycle batteries typically provide 8 to 10 years of life and may be operated in any position.

Warranty

All Sure-Lites' products are backed by a firm one year warranty against defects in material and workmanship. Maintenance free, long life, sealed lead calcium batteries carry a five-year pro-rata warranty.



NOTES: Specifications and Dimensions subject to change without notice.