

DESCRIPTION

The Sure-Lites Pinnacle Family of Die Cast Aluminum Exits is the definitive combination of strength, durability and good looks. The pleasing lines and the range of architecturally compatible finishes will add a new dimension to any design. The CAX Series Exits with LED Lite Stix™ screw-in LED lamps offers attractive diffused illumination while consuming only 2 watts of power, single or double face.

SPECIFICATION FEATURES

Electronic

- Dual Voltage Input 120/277 VAC, 60 Hz
- Long life LED lamps consume only 1 watt each
- Line-latching
- Solid-state Voltage Limited Charger
- Solid-state Switching
- Low Voltage Disconnect
- Brownout Circuit
- Overload/Short Circuit Protection
- Test Switch/Power Indicator Light

Housing Construction

- Die cast aluminum housing with hinged face plate
- Die cast canopy with electronics package
- Choice of four finishes
- NFPA 101 compliant knockout chevrons allow quick conversion to directional signs
- Downlight diffuser standard

Battery

- Sealed Lead Calcium or Sealed Nickel Cadmium
- Maintenance Free, Long Life Full Recharge Time, 24 hrs. (max.)
- Code Compliance UL 924
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes

Warranty

- Exit – 1 year
- Battery – 5 year pro-rated (Lead Calcium); 15 year pro-rated (Nickel Cadmium)

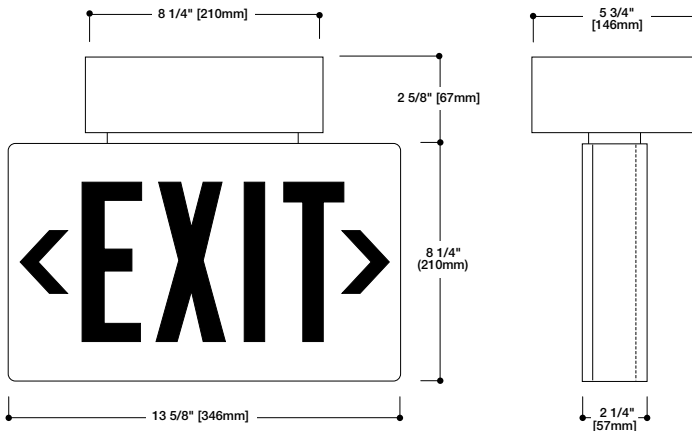
Lamp Data

- AC LED: Two 1W long life T6-1/2 intermediate base lamps
- DC LED: Two 6V, 3.6W T5 wedge base lamps



CAX SERIES

- CAST ALUMINUM EXITS
- SURFACE MOUNT
- SELF-POWERED
- EMERGENCY
- LED Lite Stix™
- Screw-in LED Lamps
- Exit Lighting



ENERGY DATA

Charge Mode (Fully Discharged Battery):
Sealed Lead Calcium Battery
LED Exits - Red Letters

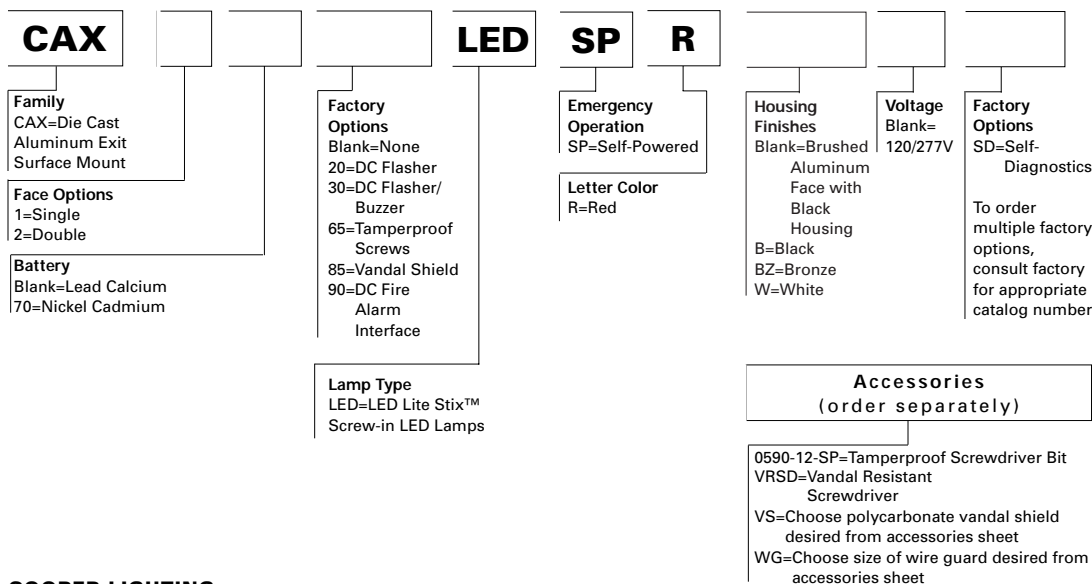
Input Power:
120V = 16.6W
277V = 17.5W
Input Current (Max.):
120V = .15A
277V = .07A
Power Factor:
120V = >.90
277V = >.91
T.H.D.:
120V = <28%
277V = <28%

Standby Mode (Fully Charged Battery):
Sealed Lead Calcium Battery
Input Power consumption is reduced by approximately 10 watts in the standby operating mode

Sealed Nickel Cadmium Battery
LED Exits - Red Letters
Input Power:
120V = 8.4W
277V = 8.3W
Input Current (Max.):
120V = .08A
277V = .03A
Power Factor:
120V = >.92
277V = >.92
T.H.D.:
120V = <35%
277V = <34%

ORDERING INFORMATION

SAMPLE NUMBER: CAX1LEDSPR



ORDERING INFORMATION (CONT.)

Wattage Ratings

Lead Calcium Battery=10.8W for 1 1/2 hrs., 7.2W for 2 hrs. Nickel Cadmium Battery=15.0W for 1 1/2 hrs., 12.0W for 2 hrs.

TECHNICAL DATA

Lamps

Self-Powered versions of the CAX Series Exits with LED Lite Stix™ screw-in LED lamps are supplied with two 1 watt long life T6-1/2 lamps. Emergency illumination is provided by two 6V, 3.6W DC lamps.

Housing Construction

Die cast aluminum with brushed aluminum face and black trim standard. Optional finishes include white, black and bronze. NFPA 101 compliant knockout chevrons are molded in for easy conversion to directional sign. Universal pattern knockouts are molded into back plate for direct mounting to junction box.

Canopy

Die cast aluminum alloy canopy with electronics package is included for ceiling, back or end mounting.

Lens

Colored diffusing lenses for CAX Series Exits with LED Lite Stix™ screw-in LED Lamps are constructed of durable polycarbonate based materials. Stencil faces are supplied in brushed aluminum, white, black or bronze finishes with NFPA compliant knockout chevrons.

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 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.

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 Pinnacle 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.

Test Switch/Power indicator Light

Conveniently located combination Test Switch/Power Indicator Light allows for manual verification of proper operation of the transfer circuit and emergency lamps.

Sealed Lead Calcium Battery

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

Sealed Nickel Cadmium Battery

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. The specially designed resealable 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

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-rated warranty. Sealed nickel cadmium batteries carry a fifteen-year pro-rated warranty.