COOPER LIGHTING - SURE-LITES®

DESCRIPTION

Versatile "mini-system" features electronic reliability, quality metal construction, surprising economy, optimum illumination and attractive compact appearance.

The popular choice for commercial, institutional and public facilities where moderate loads, economy, ease of installation, safety and reliability are important. Maximum emergency lighting efficiency is combined with low profile appearance.

APPLICATION

The unit of choice for installations where the size and cost of emergency lighting must be kept to a minimum without sacrificing dependability or light output.

SPECIFICATION FEATURES

Electronic Dual Voltage Input 120/277 VAC, 60 Hz 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

22 Gauge Die-Formed Steel

Knockout, Conduit or Cord Set Universal J-Box Mounting Pattern Keyhole Mounting Slots White Finish

Battery

Sealed Lead Calcium, Recombination (LM1, AA1) Sealed Nickel Cadmium Battery (AA8) Maintenance Free, Long Life Full Recharge Time, 24 hrs. (max.) Polarized Battery Terminals

Catalog #	Туре
Project	
Comments	
Prepared by	Date

Code Compliance UL 924 Listed Life Safety NFPA 101 NEC/OSHA Most State and Local Codes

Warranty Unit – 1 year Battery – 5 year pro-rata

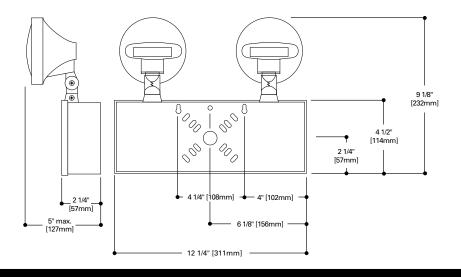
Head/Lamp Data Two Heads Standard Glare-Free Lens Fully Adjustable High Impact – Thermoplastic Matches Housing Finish



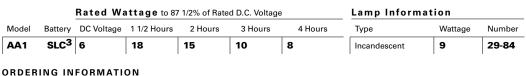
AA SERIES

DOUBLE HEAD METAL BODY EMERGENCY LIGHT

Emergency Lighting

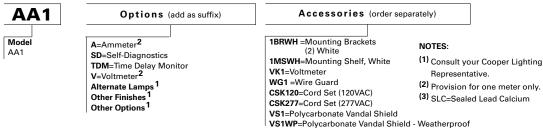


ELECTRICAL RATINGS



ORDERING INFORMATIO

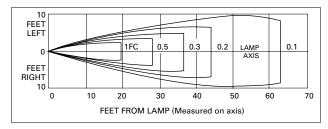
SAMPLE NUMBER: AA1V





ENERGY DATA Input Current (Max.): 120V= .12A 277V= .05A

Horizontal Distribution



Lamp No. 29-84 Initial Lumens – 29-84 @ 132

TECHNICAL DATA

Heads

The lamp housing is constructed of flame-resistant and impactresistant polycarbonate injection molded thermoplastic with matching finish. The three dimensional swivel assembly permits approximate aiming adjustment from 80° vertical and 358° rotation. The placement is secured with a lockable pivot mounted on a rotating base ring.

Lamps

Designed specifically for emergency lighting applications, the PAR 36 sealed beam type design insures optimum glarefree trapezoidal light distribution along with horizontal and vertical adjustment by rotating the lens within the housing.

Housing

The rugged 22 gauge dieformed steel housing is finished with white corrosion-resistant polyester powder coat paint. Cabinet has keyhole mounting slots and knockouts in rear and side for AC/DC wiring connections and has universal mounting pattern.

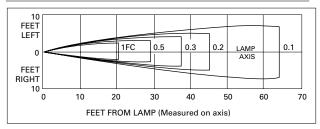
Line-Latched

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 permanently 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.

Vertical Distribution



Lamp No. 29-84

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 in Sure-Lites' units monitors the flow of AC current to the unit 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 unit incorporates a solidstate switching transistor 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. Upon restoration of the AC power, the emergency lamps will switch off and the charger will automatically recharge the battery.

Low Voltage Disconnect

When the battery's terminal voltage falls below 80% of the rated voltage, 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

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 recombinant cycle batteries typically provide eight to ten years of life and may be operated in any position.

Warranty

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