

COOPER LIGHTING - SURE-LITES®

DESCRIPTION

The Model CU2 Emergency Lighting Unit is an economic, yet attractive, alternative to standard two headed emergency lighting units. All components snap together to facilitate installation in 2 minutes or less. The Model CU2 is ideal for applications which demand the minimum product cost without sacrificing dependability or aesthetics.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Electronic

- Dual Voltage Input 120/277 VAC, 60 Hz, Isolation Transformer
- Line-latching
- Solid-state Voltage Limited Charger
- Solid-state Switching
- Low-Voltage Disconnect
- Brownout Circuit
- Overload/Short Circuit Protection
- Test Switch/Power Indicator Light

Code Compliance

- UL 924 Listed
- Damp Location Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- Suitable for Floor Proximity Installation
- ADA Compliant

Warranty

- Unit: 1-year
- Battery: 5-year pro-rata

Lens Data

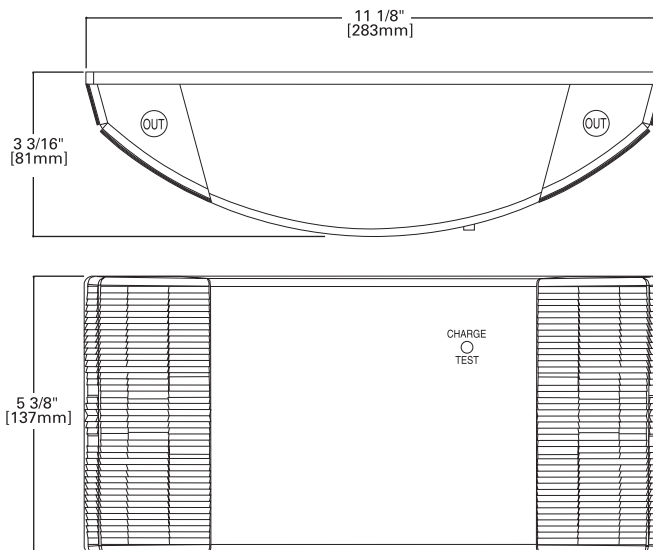
- High impact Polycarbonate
- Lenses are designed to distribute light forward and down towards Path of Egress

Housing Construction

- Designed for Under-2-Minute Installation
- Housing is Tethered to Mounting Plate to Facilitate Installation
- Injection Molded, Color Stable, High Impact UL 94-5V Rated Polycarbonate Housing and Mounting Plate
- Designer White Textured Finish
- Cutout Provided in Housing for Surface Conduit Attachment
- Suitable for Wall- or Ceiling-mount applications
- Universal J-Box Mounting Pattern
- Keyhole Mounting Slots

Battery

- Sealed Lead Calcium, Recombination
- Maintenance-free, Long-life
- Full Recharge Time, 24 hrs. (max.)
- Polarized Battery Terminals



**CU2
SERIES**

EMERGENCY LIGHTING

ELECTRICAL RATINGS

Rated Wattage to 87 1/2% of Rated D.C. Voltage

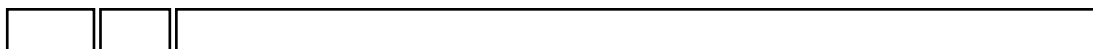
Model	DC Voltage	1 1/2 Hours
CU2	6	10.8
CU22146	6	10.8

Lamp Information

Type	Wattage	Number
Incandescent	5.4	029-121
Krypton	5.4	029-146

TOTALLY PREDICTABLE
RELIABILITY

ORDERING INFORMATION



Series

CU2

Options ^{1, 2}

V- Voltmeter

- Notes: 1 Add as a suffix.
2 Consult your Cooper Lighting Representative for alternate lamps and additional options.
3 Order separately.

Accessories ³

Mounting Kit

1MSWH- Mounting Shelf, White

Protective Housing

WG10- Wire Guard

VS1- Polycarbonate Vandal Shield

VS1WP- Weather Resistant Polycarbonate Vandal Shield

Pendant Kit

CAX18PKWH- 18" Pendant Kit, White

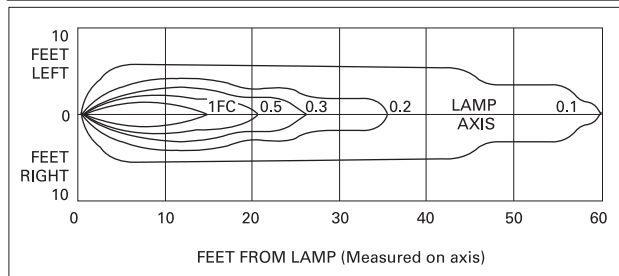
CAX18PKHTWH- 18" Hang True Pendant Kit, White

ENERGY DATA

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

PHOTOMETRICS

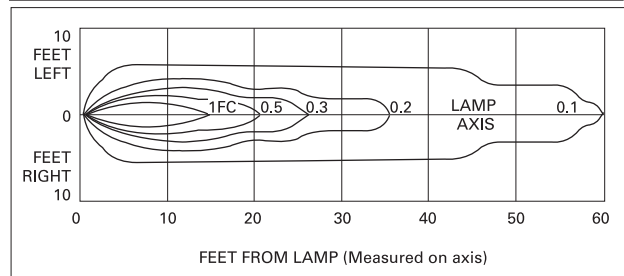
Horizontal Distribution



Lamp No. 029-121

Initial Lumens = 029-121 @ 75
Based on Bare Lamp Data

Vertical Distribution



Lamp No. 029-121

TECHNICAL DATA

Lenses

Lenses are specifically designed to distribute light forward and down towards Path of Egress.

Housing

The subtly detailed Model CU2 housing is constructed of flame- and impact-resistant UL 945V rated polycarbonate in a color-stable designer white finish. All electrical components are securely attached in the housing and prewired for fast AC connection. The housing is tethered to the mounting plate freeing both hands to make electrical connections. Once complete, the housing simply snaps on to the hinged mounting plate with two integral secure locking tabs making the Model CU2 suitable for wall- or ceiling-mount applications. The mounting plate has keyhole mounting slots and a universal mounting pattern for quick, efficient installation. The housing contains a hidden tearout for surface conduit attachment.

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.

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 solid-state 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.