

# COOPER LIGHTING - SURE-LITES®

## DESCRIPTION

The CC8 Contractor's Choice FasTest™ High-Capacity Emergency Lighting Unit is an affordable, yet attractive, alternative to standard two-headed emergency lighting units. All components snap together to facilitate installation in 5 minutes or less. Field versatility is not sacrificed for cost, as both lighting heads offer horizontal and vertical adjustability. Moreover, proper operation of the transfer circuit and emergency lamps can be quickly and safely verified by using a convenient laser pointer (sold as an accessory).

The Model CC8 FasTest is ideal for applications that demand the minimum cost but also require maximum flexibility, reliability and convenience in an attractive unit.

Catalog #	Type
Project	
Comments	
Prepared by	Date

## 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  
Push-Button Test Switch/Power  
Indicator Light  
Photocell Test Switch\*  
(requires accessory laser  
for activation)  
Push-In AC Power Connectors  
Facilitate Installation  
Automatic 30-Sec. Test Upon Switch  
Activation

### Housing Construction

Snap-Fit Component Design  
Facilitates Under-5-Minute Installation  
Reinforcing Ribs Throughout to  
Provide Maximum Strength  
Injection-Molded, Color-Stable, High-  
Impact UL 94-5V Rated Polycarbonate  
Housing and Mounting Plate

Designer-White Textured Finish  
Knockouts/Cutouts Provided in  
Housing for Surface Conduit  
Attachment

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

### Code Compliance

UL 924 Listed  
Life Safety NFPA 101  
CSA Certified  
NEC/OSHA  
Most State and Local Codes

### Warranty

Unit – 1 year  
Battery – 5 year Pro-Rata

### Head/Lamp Data

Two 12W, 12V Heads Standard  
New Head Design Accepts Almost Any  
Lamp

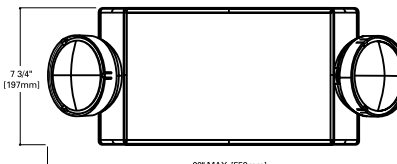
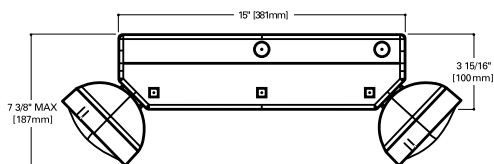
### Glare-Free Lens

Fully Adjustable Lamp Housing  
High-Impact Polycarbonate  
Matches Housing Finish  
Remote Capability,  
76W Standard  
Housing Has (8) Locations for  
Mounting of Heads; Consult Factory (3  
optional bottom-mount and 3 optional  
top-mount locations)  
Optional square and MR16 heads  
available  
Metal and MR16 heads accept up to  
50w lamps.

\* Minor position adjustment of  
photocell sensor may be required if  
mounted in locations with high  
ambient light



Verify proper operation of the  
transfer circuit and emergency  
lamps with convenient laser  
pointer (sold as an accessory).



## ELECTRICAL RATINGS

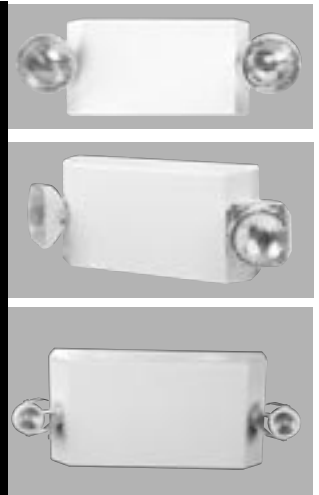
Model	Rated Wattage to 87 1/2% of Rated D.C. Voltage			Lamp Information			
	DC Voltage	1 1/2 Hours	4 Hours	Type	Wattage	Number	Spacing <sup>(1)</sup>
CC8	12	100	50	Incandescent MR16	12W ea	029-132	24'
CC8MRT	12	100	50		12W ea	029-141	50'

## ORDERING INFORMATION

SAMPLE NUMBER: CC8MRT2142SM

CC8	Options (add as suffix)	Accessories (order separately)
Model Number CC8	<b>SQ</b> =Square Head (12W Standard) Other lamp wattages available. Consult Cooper Lighting Representative. <b>MRT</b> =MR16 Heads (12W Standard) Other lamp wattages available. Consult Cooper Lighting Representative <b>A</b> =Ammeter <b>V</b> =Voltmeter <b>TDM</b> = Time Daily Meter	<b>Laser</b> =Key Chain, Red Laser Pointer (activation tested at 30 feet) <b>VS1</b> =Polycarbonate Vandal Shield <b>VS1WP</b> =Polycarbonate Vandal Shield Weather Resistant <b>WG3</b> =Wire Guard <b>ZMS</b> =Mounting Shelf (Specify Color)
	<b>Cord Set</b> = CSK120, CSK277 <b>SM</b> =Side Mount Heads <b>TM</b> =Top Mount Heads <b>BM</b> =Bottom Mount Heads <b>Alternate Lamps, Head Types, No Head, Multiple Heads</b> - Consult Cooper Lighting Representative <b>Other Options:</b> Consult Cooper Lighting Representative	

<sup>(1)</sup> The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 100 feet long, 9 feet ceiling with a 6 feet wide walkway and 3 feet path of egress. The reflectances are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 7.0 feet with a lamp head angle of 45 degrees. Cooper Lighting assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as guarantee of any code compliance.



## CC8 SERIES

SEALED LEAD  
CALCIUM BATTERY

FasTest Emergency  
Lighting Unit

Emergency Lighting

TOTALLY PREDICTABLE  
**RELIABILITY**

## ENERGY DATA

Charge Mode  
(Fully Discharged Battery)

Input Power:  
120V=28W  
277V=28W

Input Current (Max.):  
120V=>.26A  
277V=>.11A

Power Factor:  
120V=>.91  
277V=>.91

T.H.D.:  
120V=<35%  
277V=<39%

## Standby Mode

(Fully Charged Battery)

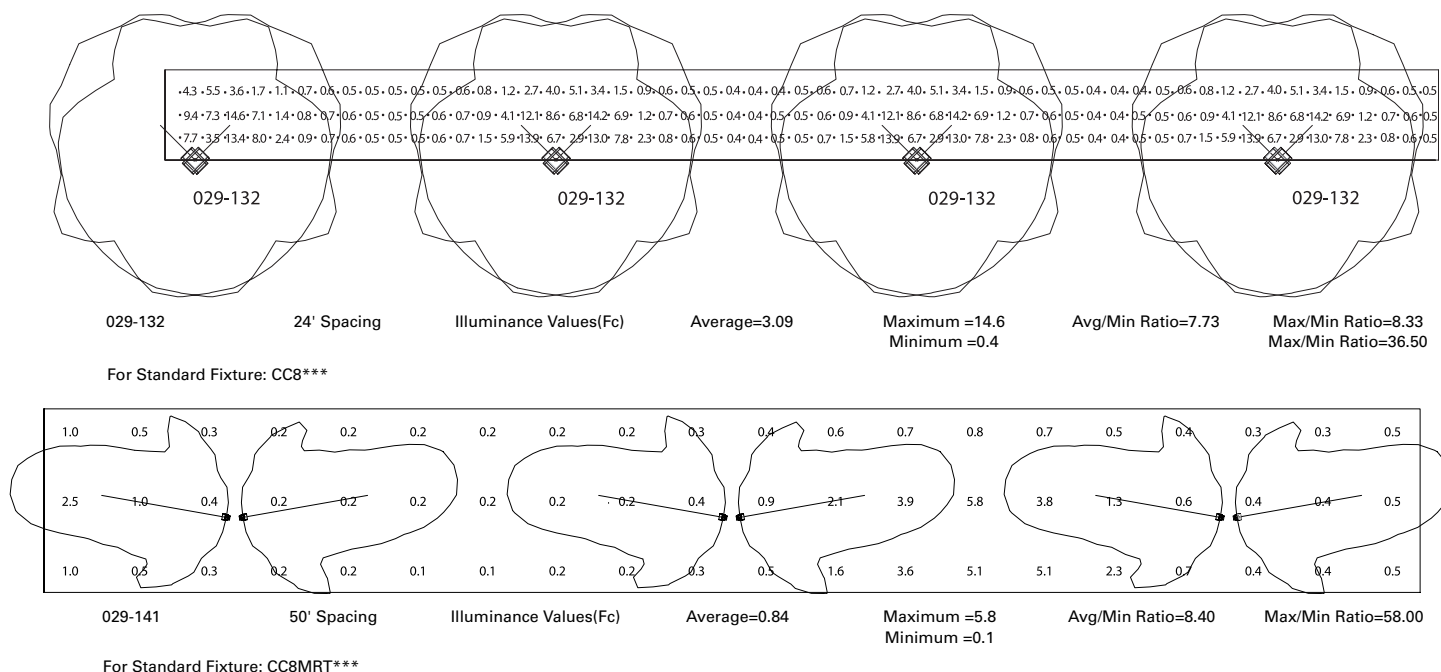
Input Power:  
120V=4.1W  
277V=4.0W

Input Current (Max.):  
120V=>.07A  
277V=>.03A

Power Factor:  
120V=>.50  
277V=>.50

T.H.D.:  
120V=<94%  
277V=<99%

## PHOTOMETRICS



\*\*\* The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 100 feet long, 9 feet ceiling with a 6 feet wide walkway and 3 feet path of egress. The reflectances are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 7.0 feet with a lamp head angle of 45 degrees. Cooper Lighting assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as guarantee of any code compliance.

## TECHNICAL DATA

## Lamps

Designed specifically for emergency lighting applications, the PAR 36 12V sealed-beam type design insures optimum glare-free trapezoidal light distribution along with horizontal and vertical adjustment by rotating the lens within the housing.

## Housing

The subtly detailed Model CC8 housing is constructed of flame-retardant and impact-resistant 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 snaps on to the hinged mounting plate with two integral locking tabs. The mounting plate has keyhole mounting slots and a universal mounting pattern for quick, efficient installation. The housing contains knockouts/cutouts for surface conduit attachment. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity.

## 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. The emergency lamps will test for 30 seconds when activated.

## Photocell Test Switch

Allows verification of proper operation of the transfer circuit and emergency lamps with a laser pointer (laser is sold as an accessory). The emergency lamps will test for 30 seconds when activated.\*

## 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.

\* Minor position adjustment of photocell sensor may be required if mounted in locations with high ambient light.

NOTES: See options/accessories or technical sections for additional detailed product data. Specifications and Dimensions subject to change without notice.