

CHLORIDE SYSTEMS

TYPE: _____

CATALOG NO.: _____

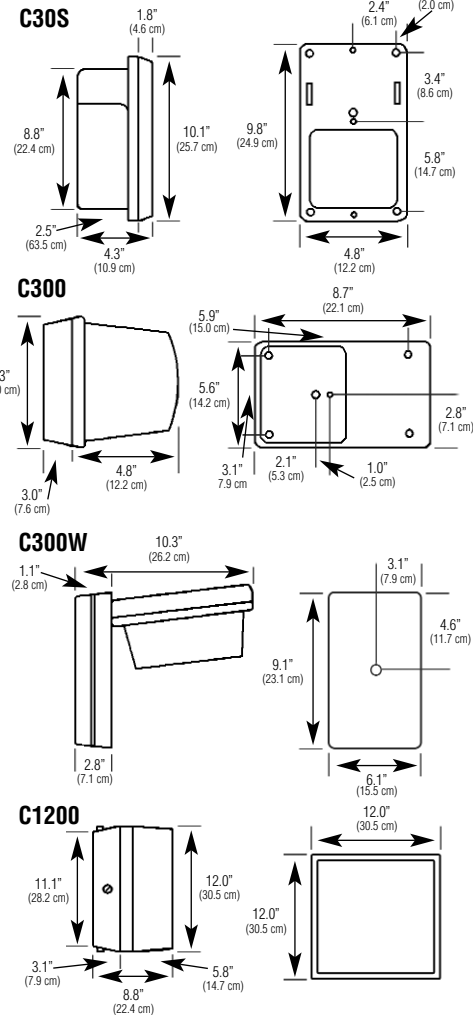
GENERAL DESCRIPTION

Exterior Emergency Fixtures are highly reliable emergency lighting products ideal for exposed locations such as corridors and passageways. The attractive housing is suitable for wet and damp locations.

ILLUMINATION

Illumination is accomplished with compact fluorescent lamps in AC operation, and wedge base incandescent lamps in emergency operation (see lamp operation chart).

DIMENSIONS



Dimensions are approximate and subject to change.

Exterior Emergency Fixtures

Decorative Emergency Lighting Units

4 and 6 Volt

Nickel Cadmium Battery

HOUSING

Constructed of impact resistant polycarbonate.

Housing is available in black, white or bronze with a clear or opal white lens on selected models.

Available in four different housing styles.

ELECTRONICS

120/277 VAC dual voltage input with surge-protected, solid-state circuitry provides for a reliable charging system for the emergency operation version.

Low temperature ballast available on selected models. Consult factory for compatibility.

BATTERY

Maintenance free, sealed nickel cadmium battery

Supplies 90 minutes of emergency power

Estimated service life of 10 years

Operating temperature range of 20°F (-7°C) to 95°F (35°C)

CODE COMPLIANCE

NFPA 70 and NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

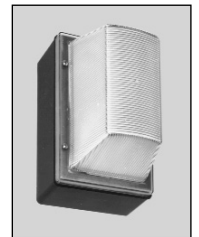
COLOR SELECTION CHART

SERIES	BLACK	WHITE	BRONZE
C30SEM	Yes	Yes	Yes
C300EM	Yes	Yes	Yes
C300WEM	Yes	No	No
C1200EM	No	No	Yes

Please consult factory if two circuits are required. If product will be controlled by lighting contactor, photocell or time clock, please consult factory to ensure compatibility. Non-emergency (AC Only) models contain no battery or battery charging components, and are offered only for matching product.



SHOWN: C30S



SHOWN: C300



SHOWN: C300W



SHOWN: C1200

ELECTRICAL SPECIFICATIONS

Input power requirements at 120 VAC

C30SEM - 0.15 amps, 17 watts

C300EM - 0.15 amps, 17 watts

C300WEM - 0.15 amps, 17 watts

C1200EM - 0.30 amps, 34 watts

WARRANTY

Three year full electronics warranty

Five year full, five year pro-rata nickel cadmium battery warranty

ORDERING INFORMATION (EXAMPLE: C30SEMOWH)



SERIES¹

C30SEM
C300EM
C300WEM
C1200EM



LENS TYPE

C = Clear Prism
O = Opal White



HOUSING

(See color chart above)
BK = Black
WH = White
BR = Bronze



FACTORY INSTALLED OPTIONS

PC = Photo Cell (Specify voltage) 3, 4
TP = Tamperproof (Requires T15TPT00L)
Z = Cold Weather Ballast
Conduit Connections²
CT = Top Conduit Connection
CB = Bottom Conduit Connection
CR = Right Conduit Connection
CL = Left Conduit Connection

NOTES:

- 1) Matching non-emergency fixtures are available. Consult factory.
- 2) Not required for C30S - five knockouts already provided. C300EM and C300WEM suitable for 1/2" conduit. C1200EM is suitable for 1/2" or 3/4" conduit. Specify conduit location relative to front view of luminaire
- 3) Not available on C30
- 4) Photo Cell option is available for single input voltage only.

Specification Data for Exterior Emergency Fixtures

HOUSING

Impact resistant polycarbonate housing.

Housing is available in black, white or bronze with a clear or opal white lens on selected models.

Available in four different housing styles.

Suitable for wet and damp locations, therefore is ideal for exterior locations including corridors and passageways.

ELECTRONICS

AC Only

120 or 277 VAC input voltage available, and must be specified prior to shipment.

Emergency Operation

120/277 VAC dual voltage input with surge-protected, solid-state charging circuitry provides for a reliable charging system. The charging system is furnished with low voltage disconnect, AC lockout, brownout protection , AC indicator lamp and test switch.

The low voltage disconnect (LVD) feature will disconnect the battery prior to an unacceptable deep discharge, but not before the required 90 minute emergency operation.

The AC lockout feature prevents battery drain prior to the initial energizing of utility power, and allows the installer to complete all wiring and electrical connections without energizing the emergency circuit.

The brownout protection circuitry will automatically switch the unit into the emergency mode if the utility voltage sags below 20% of nominal.

Battery charging circuitry is entirely solid-state, and utilizes a constant current charger. Battery recharge time after full discharge is less than the required UL 924 standard.

Line sensitive electronics cause an instantaneous transfer to battery power if utility power is lost, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery. The transfer circuitry can be tested via a momentary test switch located on the housing.

BATTERY

A maintenance free, sealed nickel cadmium battery is standard. Construction is of the sintered plate design and the battery assembly is equipped with a quick connect plug assembly for easy installation.

Standard sustained emergency operation is for 90 minutes.

The suggested operating temperature range of 20°F (-7°C) to 95°F (35°C), and the battery has an expected service life of 10 years.

CODE COMPLIANCE

The Exterior Emergency Fixtures meets or exceeds all performance standards as required by NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC.

LAMP OPERATION

SERIES	AC MODE	EMERGENCY MODE
C30SEM	(1) 13 Watt Twin Tube Compact Fluorescent Lamp	(2) 4 VDC, 4 Watt Wedge Base Incandescent Lamps
C300EM	(1) 13 Watt Quad Tube Compact Fluorescent Lamp	(2) 4 VDC, 4 Watt Wedge Base Incandescent Lamps
C300WEM	(1) 13 Watt Quad Tube Compact Fluorescent Lamp	(2) 4 VDC, 4 Watt Wedge Base Incandescent Lamps
C1200EM	(2) 13 Watt Twin Tube Compact Fluorescent Lamps	(2) 6 VDC, 5.4 Watt Wedge Base Incandescent Lamps

SUGGESTED SPECIFICATION

Furnish and install Chloride's emergency lighting unit model _____. The unit shall be constructed to meet the National Electrical Code (NEC).

INSTALLATION AND OPERATION - Unit shall be easily field connected to a 120 or 277 VAC, 60 hertz, unswitched power source. Installation must comply with the NEC as well as other applicable codes. Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination level for a minimum period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not more than 90 minutes.

CHARGER - Product shall utilize a constant current charging system. The charging system shall maintain the battery at full capacity without the need for periodic exercising or equalization.

BATTERY - The battery shall be a maintenance free, sealed nickel cadmium battery. The nickel cadmium battery shall utilize sintered plate construction and polypropylene separators for trouble-free operation in ambient temperatures up to 95°F (35°C). Nickel cadmium batteries shall be supplied with a five year full warranty.

ENCLOSURE - The unit housing shall be constructed of impact resistant black, white or bronze polycarbonate. The lens shall be clear prismatic or opal white.



CHLORIDE
SYSTEMS

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