CHLORIDE SYSTEMS
A DIVISION OF GENERAL ELECTRIC THOMAS GROUP LLC

TYPE: _____

CATALOG NO.: _____

CR6 Series

Recessed Emergency Lighting

6 Volt, 14 to 28 Watts

Sealed Lead Calcium or Nickel Cadmium Battery

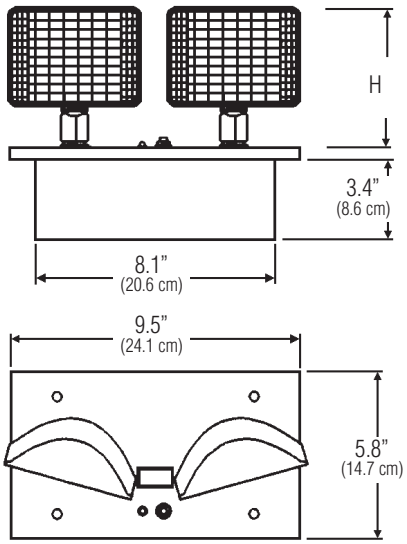
General Description

The CR6 Series incorporates a contemporary, low profile design with low maintenance and quick installation features. The CR6 is completely self-contained, and is ideal for sheetrock applications.

Illumination

Illumination is provided by two adjustable lamp heads. Choose from round or rectangular thermoplastic heads with Par 36 sealed beam tungsten or halogen, or wedge base tungsten or halogen lamps.

Dimensions



Lamp Head	Height (H)
J	5.0" (12.7 cm)
W	6.0" (15.2 cm)

Housing

Faceplate constructed of impact resistant, UL 94 V-0, 5 VA white thermoplastic.

Backbox constructed of 20 gauge galvanized steel with 1/2" conduit knockouts.

Fully recessed assembly for ceiling or wall installation. An optional bar hanger kit is available for mounting in suspended ceilings.

Electronics

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

Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery

Choice of maintenance free, sealed lead calcium or maintenance free, selaed nickel cadmium batteries

Maintenance free, sealed lead calcium battery has an estimated service life of 5 years, and an operating temperature range of 65°F (19°C) to 85°F (30°C)

Maintenance free, sealed nickel cadmium battery has an estimated service life of 10 years, and an operating temperature range of 20°F (-7°C) to 95°F (35°C)

Nickel cadmium batteries are ideal for high ambient temperature areas

Batteries supply 90 minutes of emergency power

SHOWN: CR6N14J662

Code Compliance

UL 924 listed

NFPA 101

NEC, BOCA and OSHA illumination standard

Performance

Input power requirements
120 VAC - 0.07 amps, 7.3 watts
277 VAC - 0.03 amps, 7.3 watts

Warranty

Three year full electronics warranty

One year full plus four year prorated lead calcium battery warranty

Five year full plus five year prorated nickel cadmium battery warranty

Ordering Information

CR6N14	J66	2	—	
SERIES/BATTERY	LAMP HEAD	NO. OF HEADS		OPTION

SERIES/BATTERY

Lead Calcium
CR6 = 18 Watt Unit
CR625 = 25 Watt Unit

Nickel Cadmium
CR6N14 = 14 Watt Unit
CR6N28 = 28 Watt Unit

LAMP HEAD

Rectangular Wedge Base
J66 = 5.4 Watt Tungsten
J76 = 7.2 Watt Tungsten
J96 = 9 Watt Tungsten

Round Wedge Base
WTA = 5.4 Watt Tungsten
WTD = 7.2 Watt Tungsten
WTB = 9 Watt Tungsten
WTS = 7 Watt Halogen
WTN = 9 Watt Halogen
WTT = 12 Watt Halogen

Round Par 36 Sealed Beam
WY = 8 Watt Tungsten
WQ = 8 Watt Halogen
WCHY = 12 Watt Halogen

NO. OF HEADS

2 = Two

OPTION

V = Voltmeter [1]

ACCESSORIES

BHK1 = Bar Hanger for Mechanical Ceilings

NOTES: 1) Not available with CR6N28

Specification Data for CR6 Recessed Emergency Lighting Unit

Housing

Faceplate is constructed of impact resistant, UL 94 V-0, 5 VA white thermoplastic. Recessed backbox is constructed of 20 gauge galvanized steel.

Fully recessed assembly enables ceiling or wall installation. An optional bar hanger kit is available for mounting in suspended ceilings.

Electronics

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 for nickel cadmium battery units. A fully automatic, voltage regulated charger is used for lead calcium battery units. 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

Maintenance free, sealed nickel cadmium or lead calcium batteries are available. All batteries are equipped with a quick connect plug assembly for easy installation.

Standard sustained emergency operation is for 90 minutes with the illumination source providing full light output.

The suggested operating temperature range for nickel cadmium batteries is 20°F (-7°C) to 95°F (35°C), and the battery has an expected service life of 10 years. The suggested operating range for sealed lead calcium batteries is 65°F (19°C) to 85°F (30°C), and the battery has an expected service life of 5 years.

Performance

Input power requirements
120 VAC - 0.07 amps, 7.3 watts
277 VAC - 0.03 amps, 7.3 watts

Code Compliance

The CR6 meets or exceeds all performance standards as required by UL 924, NFPA 101, NEC, BOCA and OSHA.

Operation

DC Voltage	Unit	Suggested Lamp Head	Watts to 87½ of Rated Voltage*			
			1½ hrs.	2 hrs.	4 hrs.	8 hrs.
6	CR6	J96	18	13.5	7	—
	CR625	WTS	25	19	9.5	—
	CR6N14	J66	14	10.5	—	—
	CR6N28	J96	28	21	10.5	5.4

* Per NEC Specifications

Suggested Specification

Furnish and install Chloride Systems recessed emergency lighting model _____. The unit shall be constructed to meet Underwriter's Laboratories, Inc. Standard #924 and 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 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 either a constant current (nickel cadmium) or fully automatic, voltage regulated (lead calcium) charging system. The charging system shall maintain the battery at full capacity without the need for periodic exercising or equalization. The following features shall be standard: Low voltage disconnect (LVD), brownout protection and AC lockout.

BATTERY - The battery shall be either a maintenance free, sealed nickel cadmium or lead calcium 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). The lead calcium battery shall provide trouble-free operation in temperatures up to 85°F (30°C). Nickel cadmium batteries shall be supplied with a five year full warranty, and sealed lead calcium batteries shall be supplied with a one year full warranty.

ILLUMINATION - The unit shall incorporate two (Par 36 sealed beam tungsten or halogen; wedge base tungsten or halogen) adjustable lamp heads.

HOUSING - The recessed backbox shall be constructed of 20 gauge galvanized steel. The faceplate shall be constructed of impact resistant, UL 94 V-0, 5 VA white thermoplastic.