



# CL Series

## Concealed Recessed Emergency Luminaire

Catalog Number	
Comments	Type

### FEATURES

#### Application

The CL series is a recessed, self-contained emergency light with fully automatic operation suitable for wall or ceiling mount applications. With its high wattage lamp offering it offers concealed and unobtrusive emergency lighting compliance for small and large open floor-plans. Two flat panel doors are flush with trim and mounting surface. Upon loss of power, the doors automatically open and reveal the emergency lighting lamp-heads.

#### Construction

Back-box made of galvanized 20 gauge steel. Galvanized bar hangers span up to 30" on center. Trim and door panels in durable white powder coat finish. Can be wall-papered or field painted. Trim and panel doors are mounted flush with surface with no exposed hardware. Chicago Plenum (CP) optioned model ships with Chicago Plenum listed rough-in kit.

#### Installation

Wall or ceiling mount. The CL is fully recessed by means of a steel back-box complete with fully adjustable mounting hardware. The modular assembly and quick connector design allow for fast and easy installation. T-bar clips secure unit to grid in ceiling mount applications. Rough-in dimensions: 13.5" X 6.75", allow 5.5" for panel opening clearance.

#### Illumination

The CL series provides illumination with two adjustable 12 through 75 watt MR-16 Halogen lamps rated for 2,000 hours of operation. Soft start lamp circuit allows for extended lamp life.

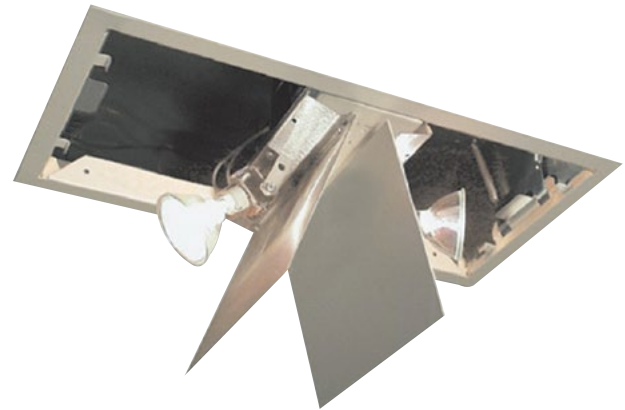
#### Compliances

UL 924 Listed to 924 Standard  
 NFPA 101 Life Safety Code  
 NFPA 70 National Electrical Code  
 OSHA

#### Warranty

Full three-year warranty

12-Volt, self-diagnostic with time-delay, sealed lead-calcium or NiCad battery with remote capacity



### ACCESSORIES Order Separately

Part Number	Description
CLRI	Remote Diagnostic Indicator
CLRT	Remote Testing Transmitter
CLRK	Rough-in Kit

### ORDERING GUIDE

## CL

Model	Capacity	Battery Type	Lamp Wattage	Options
	50 - 50 Watts <sup>1</sup> 100 - 100 Watts <sup>2</sup> 150 - 150 Watts	Blank - Lead Calcium N - Nickel-Cadmium	H12 - 12 Watt Halogen H20 - 20 Watt Halogen H35 - 35 Watt Halogen H50 - 50 Watt Halogen H75 - 75 Watt Halogen	CP - Chicago Plenum Rated <sup>4</sup> XK - Less Rough-in Kit <sup>3</sup>

<sup>1</sup> Not available with H35, H50, or H75 lamps

<sup>2</sup> Not available with H75 lamps

<sup>3</sup> To order the rough-in kit only for early installation, add "XK" option suffix to CL model number and order "CLRK" separately.

<sup>4</sup> -XK option not available with CP (Chicago Plenum)



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### SPECIFICATIONS

#### Electronics

Dual-voltage input of 120/277VAC. Precision controlled motor and cam system ensures smooth and reliable opening and closing of light source. LED indicator provides visible fault detection and AC-On indication. Test switch provides manual activation of a 30-second diagnostic test.

#### Standard Features Include:

- Self-test, self-diagnostics monitors lamp load transfer circuit, battery capacity, operation and motor drive. 28 day self-test.
- Brownout protection
- Low voltage disconnect prevents deep discharge of the battery
- Voltage polarity protected by use of polarized connector
- 15 minute time delay re-transfer
- Fused remote leads for units with remote capacity

#### Optional Accessories

**CLRT-** Remote IR Testing Transmitter. Selectable 30-second or 90-minute remote testing. Only one required for multiple units.

**CLRI-** Remote Diagnostic Indicator Display.

#### Operating Temperature Range

Lead Calcium Battery: 16°C to 32°C (60°F to 90°F)

Nickel Cadmium Battery: 0°C to 38°C (32°F to 100°F)

**Overall Size:** 16" L X 13.5" W X 4" D

**Weight:** 23-31 lbs. depending upon capacity

### REMOTE CAPACITY CHART

Part Number	Run Time <sup>1</sup>	Remote Capacity	Remote Watts <sup>2</sup>
CL50H12	3.0 Hours	Yes	26
CL50NH12	3.0 Hours	Yes	26
CL50H20	2.0 Hours	No	--
CL50NH20	2.0 Hours	No	--

CL100H12	6.0 hours	Yes	76
CL100NH12	6.0 Hours	Yes	76
CL100H20	4.0 Hours	Yes	60
CL100NH20	4.0 Hours	Yes	60
CL100H35	2.0 Hours	Yes	30
CL100NH35	2.0 Hours	Yes	30
CL100H50	1.5 Hours	No	--
CL100NH50	1.5 Hours	No	--

CL150H12	9.0 Hours	Yes	126
CL150NH12	9.0 Hours	Yes	126
CL150H20	6.0 Hours	Yes	110
CL150NH20	6.0 Hours	Yes	110
CL150H35	4.0 Hours	Yes	80
CL150NH35	4.0 Hours	Yes	80
CL150H50	2.0 Hours	Yes	50
CL150NH50	2.0 Hours	Yes	50
CL150H75	1.5 Hours	No	--
CL150NH75	1.5 Hours	No	--

<sup>1</sup>Unit battery run time for integral lamps only (no remote lamps connected).

<sup>2</sup>Max. watts available for connection of remote lamps at 1.5 Hour unit minimum run time.

### SUGGESTED CENTER-TO-CENTER SPACING

Lamp	Type	Ceiling Height			
		10'	12'	16'	20'
H12	12W Halogen	17'	17'	16'	16'
H20	20W Halogen	36'	36'	34'	34'
H35	35W Halogen	65'	65'	58'	64'
H50	50W Halogen	70'	70'	70'	70'
H75	75W Halogen	130	140'	134'	140'

Based on minimum illuminance of 0.1FC and average illuminance of 1.0FC. Assumes fixture is ceiling mounted in a 200' W X 200' L open space with reflectance of 80/50/20.

### DIMENSIONS

