

# CHLORIDE SYSTEMS

TYPE: \_\_\_\_\_

CATALOG NO.: \_\_\_\_\_

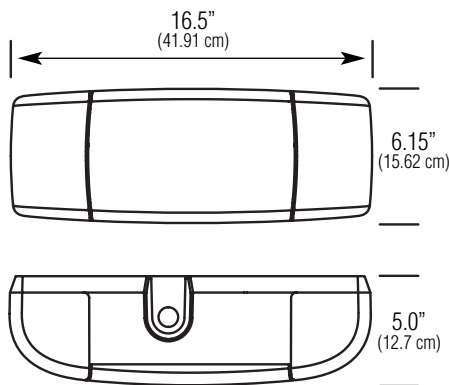
## GENERAL DESCRIPTION

The Symmetry Series is a reliable, economical, decorative emergency lighting product suitable for wall mounting. Integral, adjustable lamps provide code-compliant emergency lighting and will not detract from the aesthetics or design of retail, office, commercial or educational spaces. The Symmetry Series meets the Buy American requirements.

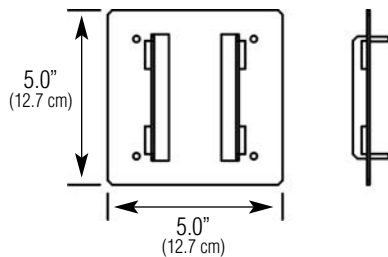
## ILLUMINATION

Illumination is provided by two high performance lamp choices: MR16 or bi-pin halogen. Each lamp reflector system can be adjusted 180° vertically and 90° horizontally. A high impact polycarbonate diffuser controls sight-line glare and maximizes reflector efficiency. IES photometry is available at [www.chloridesys.com](http://www.chloridesys.com) or contact the factory.

## DIMENSIONS



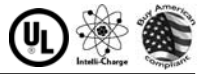
### Mounting Plate (Accessory Item SUMK)



Dimensions are approximate and subject to change.

# Symmetry Series

**6 Volt or 12 Volt, 18 - 72 Watt Units**  
**Sealed Lead Calcium or Nickel Cadmium Battery**  
**Standard Intelli-Charge Diagnostics**



SHOWN: S36LH6WIC

## HOUSING

Constructed of impact resistant and UV stabilized, UL 94 V-0, 5 VA thermoplastic. The one-piece housing is provided with a universal knockout pattern for easy installation to standard junction boxes. Keyhole slot knockouts are provided for additional mechanical support to wall surfaces. A modular quick-connect plug-in wiring harness will allow line voltage connections in either the junction box or the product housing. An optional mounting plate and strapping kit (SUMK) may be used to mount the product to columns, poles and I-beams.

## INTELLI-CHARGE ELECTRONICS

120/277 VAC dual voltage input with surge protection is standard on all models.

Charging system is microprocessor driven with software embedded diagnostic routine and precision temperature compensation. See Intelli-Charge specification sheet C1059 for technical specifications for the electronics. Surge protection, brownout, AC lockout and low voltage disconnect features are standard.

## INTELLI-CHARGE SELF-TESTING DIAGNOSTICS (OPTIONAL)

The Intelli-Charge diagnostic/charging platform with self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

## OPERATING TEMPERATURE RANGE

Standard Location: 65°F (19°C) to 85°F (30°C)  
 Damp Location: 32°F (0°C) to 104°F (40°C)

## ELECTRICAL SPECIFICATIONS

### Input power requirements

6 VDC Models	120 VAC = 0.139A
	277 VAC = 0.060A
12 VDC Models	120 VAC = 0.288A
	277 VAC = 0.125A

## BATTERY

Maintenance free, sealed lead calcium battery provides 90 minutes of emergency power and has an estimated service life of 5 years.

A maintenance free, sealed nickel cadmium battery is also available and has an estimated service life of 10 years.

A quick-connect wire harness is supplied to simplify installation.

## CODE COMPLIANCE

UL 924 listed  
 UL Damp Location listing optional  
 NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

## 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 (EXAMPLE: S36LH6WICT)

SERIES	BATTERY/WATTAGE	LAMP TYPE	HOUSING COLOR	MODEL DESIGNATOR	FACTORY INSTALLED OPTIONS <sup>2</sup>	
S = 6 Volt, Symmetry Series Thermoplastic Emergency Lighting Unit	<u>Lead Calcium</u> 18L = 18 Watt Unit <sup>5</sup> 25L = 25 Watt Unit <sup>5</sup> 36L = 36 Watt Unit 50L = 50 Watt Unit 72L = 72 Watt Unit	<u>6 Volt</u> H6 = Halogen 6W H7 = Halogen 7W H10 = Halogen 10W H12 = Halogen 12W	<u>12 Volt</u> T12 = Halogen 12W H12 = Halogen 12W MR16 Flood H20F = Halogen 20W MR16 Flood H20S = Halogen 20W MR16 Spot	W = White B = Black	IC = Intelli-Charge Diagnostics	A = Ammeter ACF = 120/277 VAC Input Fuse ACP = 120/277 VAC Power Switch DCP = DC Battery Disconnect Switch DL = Damp Location Listing <sup>4</sup> EX = Special Input Transformer <sup>2</sup> (specify voltage & frequency) T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay <sup>3</sup> TP = Torx Tamperproof Hardware, Includes Bit V = Voltmeter
S21 = 12 Volt, Symmetry Series Thermoplastic Emergency Lighting Unit	<u>Nickel Cadmium</u> 25N = 25 Watt Unit 50N = 50 Watt Unit					

**ACCESSORIES (order as a separate line item)**  
 ICIR = Intelli-Charge Infra-Red Remote  
 PCS1 = Polycarbonate Vandal Shield  
 WG5 = Wire Guard  
 SUMK = Universal Mounting Kit for Columns, Poles and I-beams  
 T15TPTOOL = Tamperproof Driver and Bit

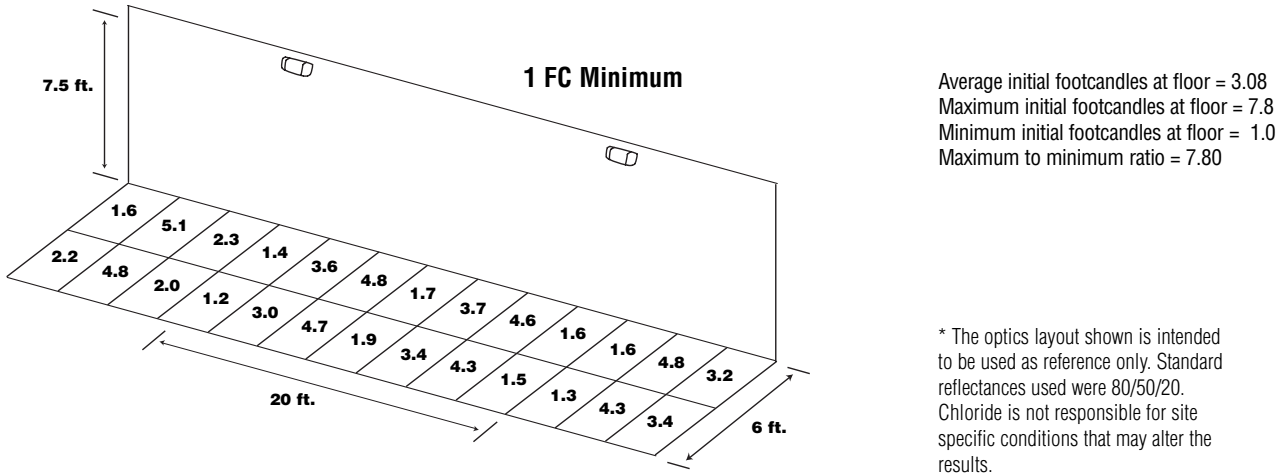
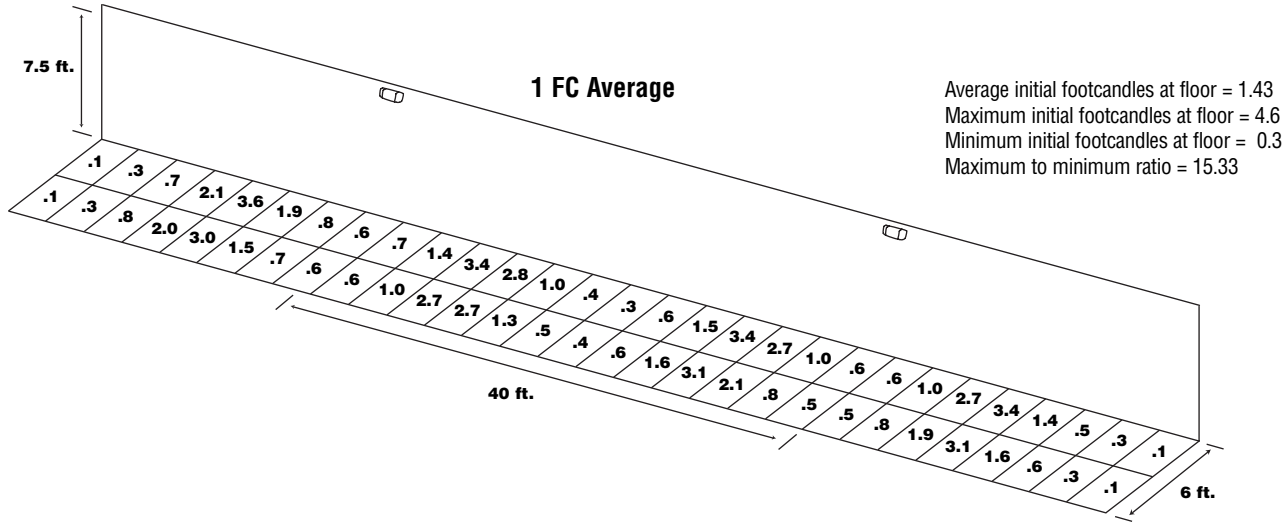
### NOTES:

- 1) 12 VDC models only available in 36, 50 and 72 watt lead calcium, 25 and 50 watt nickel cadmium.
- 2) Some option combinations may impact UL listing. Consult factory for specifics.
- 3) 15 minute delay.
- 4) 72 watt units not available with DL option.
- 5) 18 and 25 watt lead units not available in 12 volt models.

# Specification Data for Symmetry Series 6 Volt or 12 Volt, 18 to 72 Watt Units

**OPTICS\*** (IES formatted files are available on-line)

Wall mounted 7.5' AFF, 6' Corridor, Model S25LH12WIC Represented



\* The optics layout shown is intended to be used as reference only. Standard reflectances used were 80/50/20. Chloride is not responsible for site specific conditions that may alter the results.

## REMOTE LAMP ASSEMBLY



### 6 Volt

- SRH6W = 6 V, 6 W, Halogen Bi-Pin
- SRH7W = 6 V, 7 W, Halogen Bi-Pin
- SRH10W = 6 V, 10 W, Halogen Bi-Pin
- SRH12W = 6 V, 12 W, Halogen Bi-Pin

### 12 Volt

- SR2T12W = 12 V, 12 W, Halogen Bi-Pin
- SR2H12W = 12 V, 12 W, Halogen MR16 Flood
- SR2H20FW = 12 V, 20 W, Halogen MR16 Flood
- SR2H12S = 12 V, 20 W, Halogen MR16 Spot

For black backplate & lamp heads, replace the 'W' with a 'B'.  
 Example = SRH6B

## SUGGESTED SPECIFICATION

Furnish and install Chloride's commercial emergency lighting model \_\_\_\_\_ . The unit shall be constructed to meet Underwriter's Laboratories, Inc. Standard #924 and must be installed to conform to Article 700 of 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 provide emergency battery power and maintain the stated illumination level and output wattage for a minimum period of 90 minutes. Upon restoration of utility power, the charging circuitry shall restore the battery to full charge within UL 924 requirements following a rated discharge of not less than 90 minutes.

**ELECTRONICS** - All models shall be provided with Chloride's Intelli-Charge self-diagnostics electronics platform. Intelli-Charge will detect and notify the installer regarding incorrect wiring of the transformer primary and restrict the damaging effects from affecting the printed circuit board. The Intelli-Charge electronics package shall provide continuous, real-time monitoring of all the critical equipment functions including, but not limited to: line voltage status and condition, charger fault, transfer fault, battery fault and lamp load fault and notify personnel with a visual indicator sequence. Optional audible diagnostics shall be available from the factory. The optional self-testing software shall satisfy the periodic testing requirements in NFPA 101, Life Safety Code as well as the International Building Code (IBC). The Intelli-Charge diagnostic/charging platform with self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. The Intelli-Charge circuit shall continuously sample ambient temperature conditions and adjust the charging regime to compensate for typical and dramatic ambient conditions equal to 3mv/°C compensation to maximize the life of the battery. An on-board IR receiver shall be standard and pre-programmed to operate from an optional IR user interface device (available as an accessory item).

**BATTERY** - The battery shall be either a maintenance free, sealed lead calcium or sealed nickel cadmium. The standard location rating shall provide trouble-free operation in temperatures ranging from 65°F (19°C) to 85°F (30°C). UL Damp Location rated models shall provide trouble-free operation in temperatures ranging from 32°F (0°C) to 104°F (40°C).

**ILLUMINATION** - Illumination is provided by two internally mounted, fully adjustable reflector systems utilizing a high output halogen lamp source. Reflectors shall be constructed of a high efficiency parabolic lamp chamber which can utilize lamp wattages up to 20 watts.

**HOUSING** - Housing construction shall be impact-resistant, UV stabilized, UL 94 V-0, 5 VA rated thermoplastic. Product shall be furnished with the white or black finish. Units shall be designed to mount to 3/8", 4" octagon, or 4" square junction boxes and will be supplied with a knockout pattern to facilitate mounting. Quick-connect wiring harnesses shall be provided for both utility power and battery assemblies for ease of installation. An optional mounting plate and strapping kit (SUMK) may be used to mount the product to columns, poles and I-beams.



**CHLORIDE**  
 SYSTEMS

272 West Stag Park Service Road • Burgaw NC 28425  
 Telephone: (910) 259 1000 • Facsimile: (800) 258 8803  
 www.chloridesys.com

C1171R14  
 10/10 IH