

Commercial Emergency

Symmetry Series

Spec Grade Polycarbonate Unit
(18W-72W)

Specifier's Reference

Project

Type

Model No.

Comments

codes and standards

- UL listed to Standard 924: 65°F (19°C) to 85°F (30°C).
- UL damp location listing optional. Damp Location: 32°F (0°C) to 104°F (40°C)
- IBC, BOCA, and OSHA illumination standard
- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)

construction

- The Symmetry Series is constructed of impact-resistant polycarbonate.
- The one-piece housing is provided with a universal knockout pattern for easy installation to standard junction boxes.

installation

- 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.

electronics

- 120/277 VAC dual voltage input with surge protection is standard on all models.
- Self powered models feature the Intelli-Charge circuit where the charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation.
- Self powered models include brownout detection, AC lockout, low voltage disconnect, AC power indicator, charge status indicator, audible user-interface controls, visual LED system fault indicator, and tactile push-to-test switch.
- Additional equipment safety features include reverse battery polarity detection and protection, and reverse utility power detection and protection.
- All self-powered models include an on board IR receiver for use with the optional hand held remote (ICIR).

Optional self-testing electronics

The diagnostic/charging platform with optional self-testing mode automatically runs a one minute self-test every 30 days and a 30 minute test on the sixth and twelfth month in accordance with NFPA 101.

- 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.
- Power Consumption
6 VDC Models: (120 VAC) 0.139 A, (277 VAC) 0.060 A
12 VDC Models: (120 VAC) 0.288 A, (277 VAC) 0.125 A

lamps

- An assortment of high performance bi pin halogen or MR16 halogen lamps are available to meet your specific egress needs.
- Each lamp reflector system can be adjusted 180° vertically and 90° horizontally.
- 12 V models are available with LED MR16 retrofit lamps.

battery

- Maintenance free sealed lead calcium with an operating range of 65°F (19°C) to 85°F (30°C).
- Maintenance free nickel cadmium battery with operating temperature range 65°F (19°C) to 85°F (30°C).
- Provides a minimum of 90 minutes of emergency power.

warranty

- Five full year warranty on electronics and unit (excluding lamps).

Green Product Choice: S18LH6WICT

Series	Battery/Wattage	Lamp Type	Housing Color	Model Designator	Options ²
S – 6 V, Symmetry Series Thermoplastic Emergency Lighting Unit	Lead Calcium 18L – 18 W Unit ⁵ 25L – 25 W Unit ⁵ 36L – 36 W Unit 50L – 50 W Unit 72L – 72 W Unit	6V H6 – Halogen 6 W H7 – Halogen 7 W H10 – Halogen 10 W H12 – Halogen 12 W	W – White B – Black	IC 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 ⁴ EX – Special Input Transformer ² (specify voltage & frequency) T – Self-Testing Diagnostics (non-audible) TA – Audible Self-Testing Diagnostics TD – Time Delay ³ TP – Torx Tamperproof Hardware, Includes Bit V – Voltmeter
S2¹ – 12 V, Symmetry Series Thermoplastic Emergency Lighting Unit	Nickel Cadmium 25N – 25 W Unit 50N – 50 W Unit	12V T12 – Halogen 12 W bi-pin H12F – Halogen 12 W MR16 Flood H20F – Halogen 20 W MR16 Flood H20S – Halogen 20 W MR16 Spot			
		12V LED M7 – LED 7 W MR16 Flood			

Accessories (Order Separately)

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

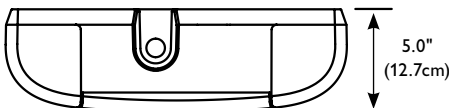
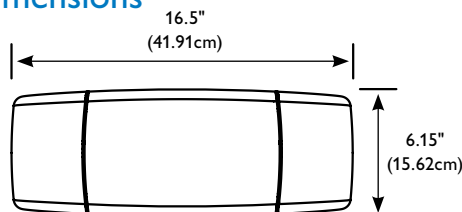
Footnotes

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

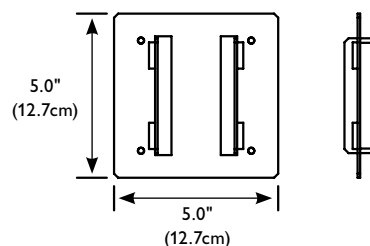
options

- A – The ammeter option includes an analog meter electrically connected to the charging circuit for visual reference and indication of the current level being delivered to the battery.
- ACF – The AC fuse option includes an in line fuse on the primary winding of the input transformer for additional electronic protection against utility surges or spikes.
- ACP – The AC power switch option includes a toggle switch electrically connected to the primary of the input transformer. This option allows for opening the utility feed to the equipment for servicing or maintenance.
- DCP – The DC power switch includes a toggle switch electrically connected between the battery and lamp load in order to prevent unwanted battery discharge or for prolonged periods of power outage not deemed an emergency.
- DL – Damp location listed products include various levels of corrosion protection on printed circuit board assemblies and other metallic parts. Environmental testing throughout a range of ambient temperature and 88% relative humidity.
- EX – The special input transformer option allows for input voltage and frequencies beyond the standard 120/277 VAC, 60 Hz input.
- T – The self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one minute test once a month with a 30 minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display.
- TA – The audible self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one minute test once a month with a 30 minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display and an audible alarm.
- TD – The time delay circuit causes the emergency lighting equipment to remain under battery power for a period of 15 minutes after the utility power has been restored.
- TP – The tamperproof option provides torx T15 hardware with center pin reject and the bit required to secure and access the equipment for future servicing.
- V – The voltmeter option includes an analog meter electrically connected between the battery and lamp load for visual reference and indication of the battery terminal voltage when the equipment is operating in the emergency mode.

dimensions



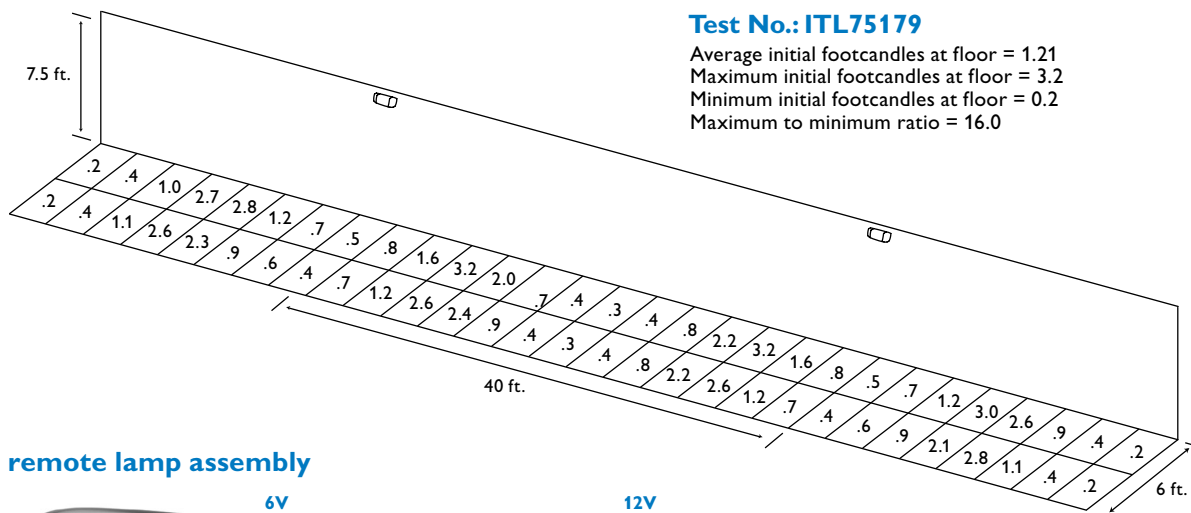
mounting plate (Accessory Item SUMK)



performance

Meets Life Safety Code illumination standard; average of 1.0 FC, no point less than 0.1 FC, max to min ratio of 40:1. Assumes open space with no obstructions, mounting height: 7.5' and reflectances: 80/50/20. Analysis based on independently tested photometrics.

Wall mounted 7.5' AFF, 6' Corridor, Model S25LH12WIC Represented 1 FC Average



remote lamp assembly



6V

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

12V

SR2T12W – 12 V, 12 W, Halogen Bi-Pin
SR2H12FW – 12 V, 12 W, Halogen MR16 Flood
SR2H20FW – 12 V, 20 W, Halogen MR16 Flood
SR2H20SW – 12 V, 20 W, Halogen MR16 Spot
SR2M7FW – 12 V, 7 W, LED MR16 Flood

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

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