

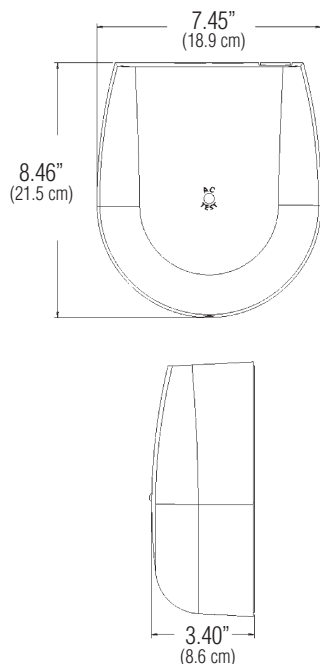
GENERAL DESCRIPTION

The Symmetry Vandal Series was designed to provide an attractive emergency lighting solution for vandal prone or high abuse areas. The powerful MR11 halogen lamps are fully adjustable, and are secured by stainless steel lamp holders. The housing, backplate and electronics shell are injection molded from a premium impact resistant polycarbonate, and the product is UL listed for damp locations. A junction box gasket, tamperproof screws and standard screws are included with the product.

ILLUMINATION

Illumination is provided by two high performance 5.5 watt, 6 VDC MR 11-style halogen lamps. Lamps are held by a stainless steel lamp assembly, and are fully adjustable. When mounted on 16" centers (8" AFF) the Symmetry Vandal Series will provide an average of one footcandle along a linear path of egress.

DIMENSIONS



Symmetry Vandal Series Contemporary Emergency Lighting

6 Volt, 11 Watt Unit

Maintenance Free, Sealed Lead Calcium Battery

HOUSING

The high abuse housing, backplate and electronics shell are molded from high impact, GE Lexan 940 polycarbonate. All injection molded components meet the UL 94 V-0, 5 VA flame retardant standard for emergency lighting products.

White housing is standard, with an optional black housing available.

All units are supplied complete with a UL damp location listing, backplate/junction box gasket and tamperproof screw kit. Standard non-tamperproof screws are also included with the product.

Installation is simplified by the use of a snap-together backplate and housing. When installed with the supplied tamperproof screw kit, removal from mounting surface, or removal of outer protective cover is not possible under normal rough service conditions.

Utility supply is completed by use of a modular plug-in wiring harness that will allow line voltage connections in either the junction box or product housing. A convenient knockout is also made available in the top right section of product to accommodate 1/2" conduit.

ELECTRONICS

120/277 VAC dual voltage input with surge-protected, solid-state, fully automatic, voltage regulated charger.

Charging system is complete with low voltage disconnect, AC lockout, brownout protection and combination indicator lamp and illuminated test switch. All circuit board components are coated with a moisture resistant protector.



SHOWN: SV11LW

BATTERY

Maintenance free, sealed lead calcium battery

Supplies 90 minutes of emergency power

Estimated service life of 5 years

Operating temperature range of 65°F (19°C) to 85°F (30°C)

CODE COMPLIANCE

UL 924 listed

UL damp location listed

NFPA 101, NEC

Meets ADA specifications for wall mounted lighting fixtures.

PERFORMANCE

Input power requirements

120 VAC - 0.04 amps

277 VAC - 0.02 amps

WARRANTY

Three year full electronics warranty

One year full plus four year prorated battery warranty

ORDERING INFORMATION

NOTE: Product not recommended for installation in areas subject to wind driven rain or splashing water.

SV

SERIES

SV = Symmetry Vandal Series

11L

WATTAGE/BATTERY

11L = 11 Watt Lead Calcium

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HOUSING COLOR

W = White
B = Black



Specification Data for Symmetry Vandal Emergency Series

HOUSING

Constructed of impact-resistant GE Lexan 940 polycarbonate. White housing is standard with an optional black housing available. A provision is available for utility supply via 1/2" surface conduit, and is located on the top right portion of product housing. Space is available inside the product housing to contain and isolate line voltage terminations.

OPERATION

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 an illuminated test switch located on the front cover.

ILLUMINATION

Illumination is provided by two high performance 5.5 watt, 6 VDC MR 11-style halogen lamps. Lamps are held by a stainless steel lamp assembly, and are fully adjustable. When mounted on 16' centers (8' AFF) the Symmetry Vandal Series will provide an average of one footcandle along a linear path of egress.

LAMP HEAD PHOTOMETRICS

* IES Photometric Files Available - Consult Factory

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, and combination indicator lamp and illuminated 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 fully automatic, voltage regulated charger. Battery recharge time after full discharge is less than the required UL 924 standard.

BATTERY

Maintenance free, sealed lead calcium batteries are supplied as standard equipment. Standard emergency operation is for 90 minutes, with the illumination source providing full light output.

Periodic testing of the unit (three minutes every 30 days) is encouraged to ensure compliance with most local fire codes, and will not adversely affect service life of the battery.

The suggested operating temperature range for sealed lead calcium battery products is 65°F (19°C) to 85°F (30°C). The battery has an expected service life of 5 years.

PERFORMANCE

Input power requirements

120 VAC - 0.04 amps

277 VAC - 0.02 amps

CODE COMPLIANCE

The Symmetry Vandal Series Emergency Lighting product meets or exceeds all performance standards as required by UL 924, NFPA 101, NEC and OSHA.

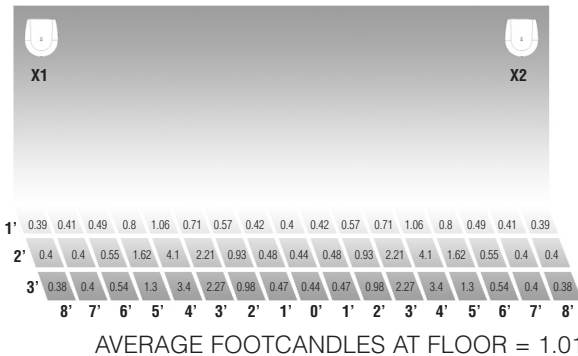


Chart represents (2) Luminaires mounted on 16' centers, Mounting height 8' AFF
X1 = Luminaire Location #1
X2 = Luminaire Location #2

SUGGESTED SPECIFICATION

Furnish and install Chloride Systems vandal resistant 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 more than 90 minutes.

CHARGING CIRCUITRY - Unit shall utilize a solid-state, fully automatic, voltage regulated charging system which will 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 maintenance free, sealed lead calcium type. The battery shall provide trouble-free operation in temperatures up to 85°F (30°C) and is supplied with a one year full, four year pro-rata warranty.

ILLUMINATION - Illumination shall be provided by two internally mounted MR11 style 5.5 watt halogen lamps. The exposed lamp holding assembly and all exposed metal hardware shall be manufactured from stainless steel. When mounted on 16' centers at 8' AFF, the unit shall provide an average of 1.01 footcandles between luminaires from base of wall to 3' from wall. Lamp assemblies must be capable of 180 degree horizontal rotation, and 160 degree vertical rotation.

HOUSING - Outer cover, backplate and electronics cover shall be injection molded from GE Lexan 940 polycarbonate, rated for UL 94 V-0, 5 VA applications. Backplate shall be compatible for mechanical fastening to 3-1/2" or 4" octagon, or 4" square junction boxes and be supplied with a knockout pattern to facilitate mounting. Modular utility supply connectors shall eliminate hardwire line voltage terminations inside the product housing, except when utility supply is provided via surface conduit. Regular and tamperproof screws shall be provided along with a weather resistant gasket for installation in damp location environments. When installed using the supplied tamperproof screw kit, product shall not be capable of removal from wall, or subject to opening of the electronics compartment with standard tools.