

GENERAL DESCRIPTION

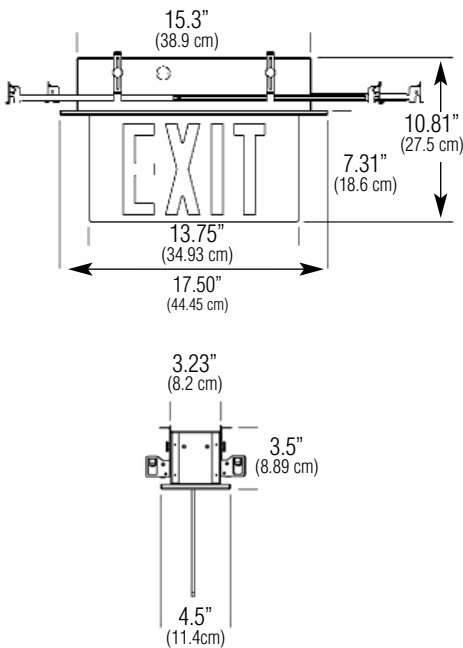
The Sterling Series Edge-Lit Exit provides a progressive, thin profile design that is complementary to upscale lighting fixtures. This premium exit sign is ideal for commercial or retail architectural designs, while offering energy efficient power consumption.

ILLUMINATION

Illumination of the Sterling Series exit panel is accomplished with the use of high brightness LEDs offering even illumination. LEDs offer low maintenance replacement costs and long life.

DIMENSIONS

Recessed Ceiling



Dimensions are approximate and subject to change.

Sterling Series

Edge-Lit LED Exits with Field-Selectable Chevrons AC Only and Self-Powered LED Illumination



HOUSING

The Sterling Series Edge-Lit Exit allows for ceiling recessed mounting using a 20 gauge steel backbox and brushed aluminum (standard) faceplate.

All units standard with 24" adjustable bar hangers for mechanical or sheetrock installations.

PANEL

The Sterling Series Edge-Lit Exit stencil panel is manufactured from high impact clear acrylic and silk-screened computer generated artwork. All artworks meet UL and NFPA standards for exit signage. Universal chevron kits are supplied for all models.

Standard Sterling Series models are single face clear. Double-face panels are required to be specified with a mirrored background.

ELECTRONICS

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

Self-Powered - 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 LED and test switch.

BATTERY

Maintenance free, sealed nickel cadmium battery

Supplies 90 minutes of emergency power

Estimated service life of 10 years

Operating temperature range of 20°F (-7°C) to 95°F (35°C)



SHOWN: STDLXC1RC

CODE COMPLIANCE

UL 924 listed

NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

ELECTRICAL SPECIFICATIONS

Input power requirements at 120 VAC/277 VAC

AC Only

Red - 7.06 watts / 7.71 watts

Green - 5.22 watts / 5.86 watts

Self-Powered

Red - 6.67 watts / 7.28 watts

Green - 5.1 watts / 5.73 watts

WARRANTY

Five year full electronics warranty

Five year full plus five year prorated battery warranty

ORDERING INFORMATION (EXAMPLE: STDLXC1RC)



SERIES

STDLX = AC Only,
120/277 VAC
STELX = Self-Powered,
120/277 VAC



MOUNTING

Recessed
C = Ceiling



NO. OF FACES

1 = Single
2 = Double



LETTER COLOR

RC = Red on Clear ¹
GC = Green on Clear ¹
RM = Red w/ Mirrored
GM = Green w/ Mirrored

NOTES:

1) Double face not available with "red on clear" or "green on clear" panel selections

Specification Data for Sterling Series LED Edge-Lit Exit

HOUSING

The Sterling Series Edge-Lit Exits 20 gauge steel backbox and housing construction allows for recessed ceiling mount applications.

All units standard with 24" adjustable bar hangers for mechanical or sheetrock installations.

All models include a brushed aluminum faceplate as a standard finish. All housings are provided with keyhole slots for bar hanger brackets and 3/4 inch conduit knockouts for top, back or bottom conduit entry.

PANEL

The Sterling Series LED Edge-Lit Exit uses high impact acrylic panels that diffuse light evenly and provide a thin profile conducive to architectural design. Panels can be silk-screened in variety of configurations to meet UL, NFPA and local exit signage codes.

Illumination is provided by diffusing LEDs through acrylic panels. The illumination is even and very accentuated. LEDs provide long life and low maintenance.

ELECTRONICS

AC Only

LED models have dual voltage 120/277 VAC input with surge protection.

Self-Powered

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. 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.

ILLUMINATION

The Sterling Series Edge-Lit Exit LED models use high brightness LEDs to provide superior panel illumination for both red and green. Single face models are provided with clear panels and no insert, while double face models are provided with a mirrored insert.

BATTERY

Supplied standard with a maintenance free, sealed nickel cadmium battery. Battery is equipped with a quick connect plug for easy installation.

The Sterling Series Edge-Lit Exit will provide a full 90 minutes of illumination at full rated lumen output.

Suggested operating temperature range of 20°F (-7°C) to 95°F (35°C).

Battery service life at optimum operating temperature (72°F) is estimated at 10 years.

ELECTRICAL SPECIFICATIONS

Input power requirements at 120 VAC

AC Only

Red - 7.06 watts / 7.71 watts

Green - 5.22 watts / 5.86 watts

Self-Powered

Red - 6.67 watts / 7.28 watts

Green - 5.1 watts / 5.73 watts

CODE COMPLIANCE

The Sterling Series meets or exceeds all performance standards as required by UL 924, NFPA 70, NFPA 101, NEC, BOCA, OSHA, and IBC.

SUGGESTED SPECIFICATION

Furnish and install Chloride's edge-lit exit sign model _____. The exit shall be constructed to meet Underwriter's Laboratories, Inc. Standard #924 and the National Electrical Code (NEC).

INSTALLATION AND OPERATION - Exit 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. (Self-Powered Only) - Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination level 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 (Self-Powered Only) - Product shall utilize a constant current 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. Five year warranty provided.

BATTERY (Self-Powered Only) - The battery shall be maintenance free, sealed nickel cadmium utilizing sintered plate construction and polypropylene separators for trouble-free operation in ambient temperatures up to 95°F (35°C). Nickel cadmium batteries are supplied with a five year warranty.

ILLUMINATION - The Sterling Series edge-lit exit signs shall be illuminated by LEDs. The Sterling Series exit equipped with red LEDs shall consume 7.06 watts (120 VAC) or 6.67 watts (Self-Powered). The Sterling Series exit equipped with green LEDs shall consume 5.22 watts (120 VAC) or 5.1 watts (Self-Powered).

HOUSING - The exit sign backbox shall be constructed of 20 gauge steel. A brushed aluminum faceplate shall be standard. All units standard with 24" adjustable bar hangers for mechanical or sheetrock installations.



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SYSTEMS

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