



CH-FLAT LED SERIES

Die-Cast Aluminum Flat Trim Plate
White LED Edge-Lit Exit or Stairs Sign
Recessed Ceiling Mount Only

TYPE _____

CATALOG # _____

NOTES _____

FEATURES

Construction

- Designed to achieve superior visual clarity and performance with an LED lightsource. LED sensitive inks are formulated to provide a rich red color on white background
- Clear acrylic panel provides optimum light transmission. Illumination is 100% in both AC and emergency mode
- Housing: Die-Cast aluminum trim ring, trim plate and canopy

Mounting

- Housing: Fully-recessed, 20-gauge galvanized steel back-box; equipped with hanger bars for installation between joists or a suspended ceiling

Finishes

- Standard finish is brushed aluminum with other finishes available as an option

Chevrons

- Silk Screened as specified

LEDS

- White LED light source, 10-year life expectancy

Self-Diagnostics

- Self-Powered models available with or without Improved Diagnostics

Special Wordings

- Available. Contact your sales representative with your design requirements

Approvals

- Listed to UL 924 Standards
- City of Chicago Approved

Warranty

- Five Year full warranty (subject to proper installation and maintenance)

Detailed warranty terms located at: www.lightalarms.com

ACCESSORIES (Order as a separate item)

Special Wording	Contact your sales representative
Two 27-inch adjustable bar hangers*	TBH

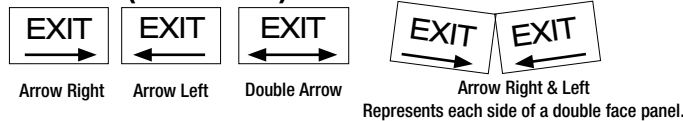
* Bar hangers supplied with unit, order as replacement only

BACKBOX

(Order as a separate item)

Backbox kit flat trim Chicago	BBKTRCH-L
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ARROW (CHEVRON) DESIGNATION



NOTE: Wording and chevrons not to scale. For illustration purposes only.

SPECIFICATIONS

Supply and Install **Lightalarms® CH-FLAT LED Series** CHSLD, CHSLDC, CHSLD2, CHSPLD, CHSPLDD Flat trim Series.

The Exit or Stairs Sign specified with (F) flat trim plate, recessed ceiling mount only, single face shall be standard with (1) legend panel, (1) backbox, (1) flat trim plate, and 27 inch adjustable bar and specified as double face shall be standard with (1) legend panel (with EXIT or STAIRS silk screened on each side), (1) backbox, (1) flat trim plate and 27 inch adjustable bar hangers. (F) flat trim plate models backbox shall be made of 20 gauge steel and flat trim of die cast aluminum. Housing, trim ring, trim plate and canopy shall be in color, (W) white, (B) black or (A) brushed aluminum. Legend panel color shall be red on white.

The unit shall have the trim plate snap and lock in the housing with torsion spring retainers, thereby eliminating any visible screws or hardware. The legend panel shall be clear acrylic, U-shape and the letters and chevrons silk-screened as specified. The (F) flat trim plate recessed mount single face or double face shall be suitable for recessed ceiling installations only.

The illumination source shall be Light Emitting Diodes (LED) in white. The LEDs shall provide illumination in normal and emergency operation mode. The LEDs shall be mounted inside the Exit Sign housing on a PCB strip. A LED sensitive EXIT legend silkscreened in RED, provides the 6" high by 3/4" stroke EXIT or STAIRS letters with even illumination and no visible LEDs or hot spots. AC-Only models shall be 120/277VAC, 60Hz, with a power consumption of less than 2.5W. AC/DC models shall be 120/277VAC, 60Hz, with a power consumption of less than 2.5W and allows for DC operation from 6VDC to 24VDC, drawing less than 2.5W. Self-Powered models shall be 120/277VAC, 60Hz, with a power consumption of less than 3.5W and supplied with a sealed maintenance-free Nickel-Cadmium battery, providing at least 90 minutes illumination upon AC failure. When specified, the Self-Powered Exit Sign with Improved Diagnostics shall include a self-test and silent diagnostic function, managed by a micro-controller; it shall execute automatic tests for one minute every 30 days, 30 minutes every 60 days and 2 hours annually. A diagnostic circuit shall continuously monitor the performance of the battery, charger module and LED lamps. When a fault is detected the pilot light shall change color from green to red and flash with a specific code. The red light is steady-on in case of a battery disconnect; it will flash with one blink for battery failure; two blinks for charger failure and four blinks for LED lamp failure. A label with the diagnostic legend shall be visible next to the pilot light.

The Exit Sign shall be tested by the Underwriters Laboratories and listed to UL 924 standards. Meets City of Chicago Approved, NFPA101 (Life Safety Code), NFPA 70-NEC and OSHA illumination standards. Includes a five-year full warranty.

The Exit Sign shall be **Lightalarms®** Model _____.



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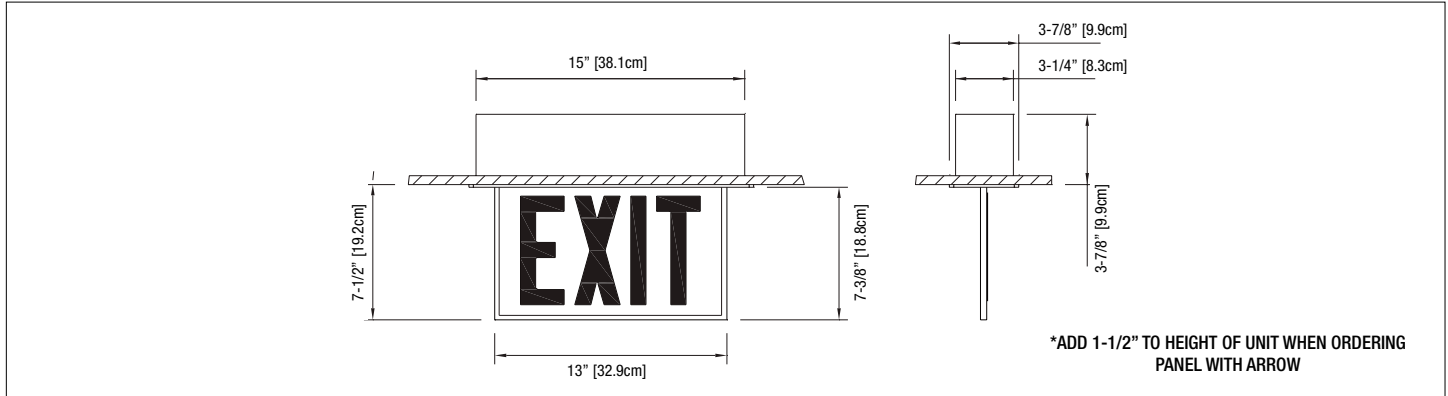
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DIMENSIONS

Dimensions are approximate and subject to change.



POWER CONSUMPTION CHART

MODEL	AC SPECS		DC SPECS	
AC-Only	120-277VAC	Less than 2.5W	-	-
AC/DC	120-277VAC	Less than 2.5W	6 to 24VDC	Less than 2.5W
Self-Powered	120/277VAC	Less than 3.5W	Nickel-Cadmium battery	2 Hours
Self-Powered diagnostic	120/277VAC	Less than 3.5W	Nickel-Cadmium battery	2 Hours

ORDERING FORMAT

CUSTOM SPEC	SERIES	COLOR OF TRIM PLATE	PANEL TYPE	TRIM PLATE	LEGEND STYLE	OPTIONS
CH = City of Chicago	SLD = AC-Only SLDC = AC/DC - Remote 6-24V SLD2 = AC-Dual Circuit SPLD = Self-Powered SPLDD = Self-Powered Diagnostic	A = Brushed Aluminum W = White B = Black DB = Dark Bronze (painted) PB = Polished Brass CH = Polished Chrome	Blank = Red-White Chicago legend	F = Flat	Single Face Panels #2A = STAIRS (No Arrows) #3 = EXIT (No Arrows) #5A = STAIRS (Arrow Right →) #6 = EXIT (Arrow Right →) #8A = STAIRS (Arrow Left ←) #9 = EXIT (Arrow Left ←) #11A = STAIRS (Double Arrows ↔) #12 = EXIT (Double Arrows ↔) Double Face Panels #17A = STAIRS (No Arrows) #18 = EXIT (No Arrows) #23A = STAIRS (Double Arrows ↔) #24 = EXIT (Double Arrows ↔) #20A = STAIRS (Arrow Left ← and Arrow Right →, one arrow on each side) #21 = EXIT (Arrow Left ← and Arrow Right →, one arrow on each side)	DL = Damp Locations Housing shipped Less Panel LP = Less Panel, (shipped separately)

EXAMPLE: CHSLDWF#12