CHLORIDE SYSTEMS

TYPE: _____

CATALOG NO.: _____

Caliber Series

LED Illuminated Edge-Lit Exit
AC Only and Emergency Operation
Standard Self-Diagnostics Electronics*
Universal Mounting

General Description

The Caliber Series Edge-Lit Exit provides a slim profile combined with attractive finishing options that blend well with architectural spaces. A self-diagnostic charger is standard on self-powered models. Easy installation, universal mounting configurations and field selectable chevrons make the Caliber Edge-Lit both a specification product and an electrical contractor favorite. The Caliber Series is a Made in the USA product.

Illumination

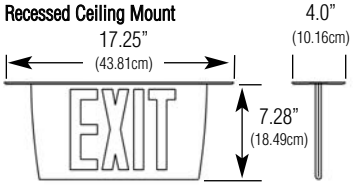
Illumination of the Caliber Series exit panel is accomplished with the use of high brightness LEDs in an optical array offering even illumination. Average exit legend illumination level is 25 fl (79 cd/m^2). Panel is available in 6" or 8", UL and NFPA compliant lettering without a change to the housing parts.

Installation

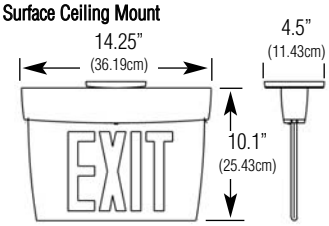
Universal mounting configurations include recessed ceiling mount, surface ceiling mount, surface end mount and surface wall mount. Surface mount configurations mount to a 3.5" octagonal junction box. Field selectable chevrons are standard.

Dimensions

6" Recessed Ceiling Mount



6" Surface Ceiling Mount



See reverse for other configurations.
Dimensions are approximate and subject to change.

Housing

All housing components are premium die-cast aluminum construction. A range of finishes are available (see Ordering Information below). A bar hanger bracket kit is standard for recessed applications.

Panel

The Caliber Edge-Lit Exit panel is manufactured from high impact acrylic and silk-screened using computer generated artwork. All artwork meets UL and NFPA standards for exit signage. Universal self-stick chevrons are standard. Panel is available in 6" and 8" "EXIT" legend heights.

Electronics

AC Only - 120/277 VAC dual voltage input with surge protection is standard on all models.
Emergency Operation - Charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation. See specification sheet C1465 for electronics details. 120/277 VAC input, surge protection, brownout, AC lockout and low voltage disconnect features are standard.

Battery

Maintenance free, sealed nickel cadmium battery
Exceeds 90-minute run time requirement
Estimated service life of 10 years
Operating temperature range of 32°F (0°C) to 104°F (40°C)

Warranty

Five year full electronics warranty
Five year full plus five year prorated battery warranty

*Self-powered models incorporate the Intelli-Charge diagnostics electronics package. Self-testing is a factory installed option.

SHOWN: CN6RCA1IC

Code Compliance

UL 924 listed
UL damp location listing 32°F (0°C) to 104°F (40°C)
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards
Meets ADA specifications for wall mounted lighting fixtures
Certified to the California Energy Commission in accordance with California law

Electrical Specifications

Input power requirements at 120 VAC / 277 VAC

AC Only
Red - 3.80 watts (120VAC), PF = 0.96
3.80 watts (277VAC), PF = 0.91
Green - 4.00 watts (120VAC), PF = 0.95
4.00 watts (277VAC), PF = 0.90

Emergency Operation
Red - 4.70 watts (120VAC), PF = 0.95
4.81 watts (277VAC), PF = 0.97
Green - 4.71 watts (120VAC), PF = 0.95
4.67 watts (277VAC), PF = 0.99

Ordering Information (Example: CN6RCW1IC)

[ ]	[ ]	[ ]	[ ]	[ ]	IC	—	[ ]
SERIES	LEGEND HEIGHT	LETTER/ BACKGROUND COLOR	HOUSING FINISH	# OF FACES	MODEL DESIGNATOR[1]		FACTORY INSTALLED OPTIONS
CA = Caliber AC Only LED Exit CN = Caliber Self-Powered LED Exit	6 = 6" Exit 8 = 8" Exit	RC = Red/Clear[5] GC = Green/Clear[5] RW = Red/White GW = Green/White RM = Red/Mirror GM = Green/Mirror	A = Brushed Aluminum B = Black W = White N = Nickel G = Gunmetal BR = Ornamental Bronze AC = Aged Copper VG = Velvet Green GR = Granite PA = Painted Aluminum	1 = Single Face 2 = Double Face X = Less Panel[4]	IC = Intelli-Charge Diagnostic Electronics (non-audible)		2CKT1 = Two-Circuit 120/120 VAC (AC-only models) 2CKT2 = Two-Circuit 277/277 VAC (AC-only models) BF = Buzzer/Flasher (self-powered models only) BZ = Buzzer (self-powered models only) DC = 12-48 VDC Input (AC only models) EX = Special Input Transformer (specify voltage & frequency)[2] FA = Fire Alarm Activated Flasher FL = Flasher (self-powered models only) LBB = Unit-Less Backbox[3] T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics SW = Special Wording (consult factory)[2]

NOTE:
*Custom pendant lengths and colors available, consult factory.
**BBKIT supplied with a clear coat finish for installation above a finished ceiling.

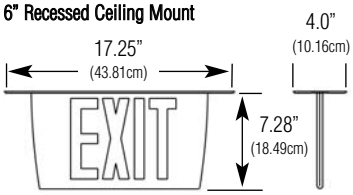
ACCESSORIES
(order as a separate line item)

BBKIT = Backbox Rough-In Kit** (must order remainder of product with LBB suffix)
BBKITDC = Backbox Rough-In Kit with DC Option
BBKIT2CKT1 = Backbox Rough-In Kit with 2CKT1 Option
BBKIT2CKT2 = Backbox Rough-In Kit with 2CKT2 Option
ICIR = Intelli-Charge Infra-Red Remote
PKIT12W = Pendant Kit, 12" White Finish*
PKIT12B = Pendant Kit, 12" Black Finish*

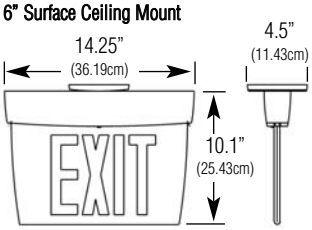
NOTES:
1) For self-testing models refer to options.
2) Some options may impact the UL listing. Consult factory for specifics.
3) Required model number for units with back boxes installed on the job.
4) Order when panels are not required at time of installation. Consult factory for edge-lit panel order number.
5) Clear background only available on single face.

Specification Data for Caliber Series Edge-Lit Exit

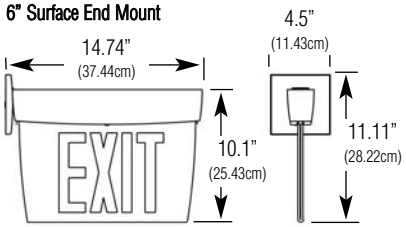
6" Recessed Ceiling Mount



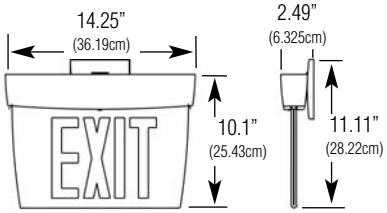
6" Surface Ceiling Mount



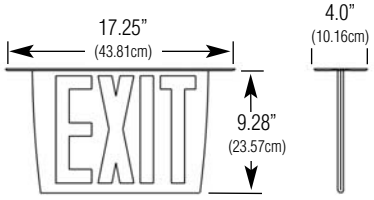
6" Surface End Mount



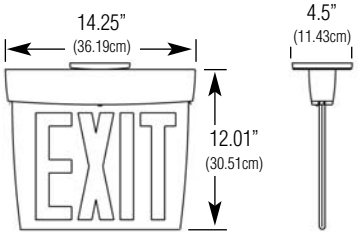
6" Surface Wall Mount



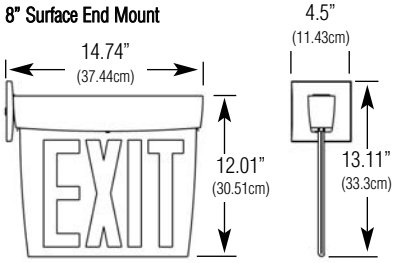
8" Recessed Ceiling Mount



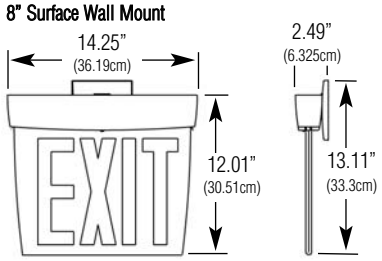
8" Surface Ceiling Mount



8" Surface End Mount



8" Surface Wall Mount



Suggested Specification

Furnish and install Chloride's Caliber Series edge-lit exit sign model _____. The exit sign shall be constructed to meet UL standard 924, the National Electrical Code (NEC, NFPA 70). All models shall meet and be recognized as "Low-voltage, limited energy" products in accordance with UL 924.

INSTALLATION AND OPERATION - The edge-lit exit sign shall be easily field connected to a 120 or 277 VAC, 60 HZ un-switched power source. The installation must comply with the NEC as well as other applicable codes. The edge-lit exit sign shall be capable of universal mounting (surface ceiling, recessed ceiling, surface wall, or end wall mount) without additional or accessory parts and be available with 6 or 8-inch, UL and NFPA compliant lettering and chevrons, in red or green, without modification to any housing parts.

ELECTRONICS AC-Only Models – The edge-lit exit sign shall be easily field connected to 120 or 277 VAC, 60 HZ un-switched power source. The Caliber Series edge-lit exit sign equipped with red LED's shall consume 3.80 watts with a power factor of 0.96 (120 VAC) and 3.80 watts with a power factor of 0.91 (277 VAC). The Caliber Series edge-lit exit sign equipped with green LED's shall consume 4.00 watts with a power factor of 0.95 (120 VAC) and 4.00 watts with a power factor of 0.90 (277 VAC). Available, factory-installed options shall include a two-circuit module to accommodate 120/120 or 277/277 VAC for use with a generator or central inverter system; A fire alarm activated flasher option to accommodate an input from a fire alarm panel and provide a flashing rate when the alarm system is activated.
Self-Powered Models – All self-powered models shall be provided with Chloride's Intelli-Charge diagnostics electronics platform. The edge-lit exit sign shall be easily field connected to 120 or 277 VAC, 60 HZ un-switched power source. 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 Caliber Series edge-lit exit sign equipped with red LED's shall consume 4.70 watts with a power factor of 0.95 (120 VAC) and 4.81 watts with a power factor of 0.97 (277 VAC). The Caliber Series edge-lit exit sign equipped with green LED's shall consume 4.71 watts with a power factor of 0.95 (120 VAC) and 4.67 watts with a power factor of 0.99 (277 VAC). 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 LED load fault and notify personnel with a visual indicator sequence. Optional audible diagnostics as well as self-testing diagnostics shall be available from the factory. The self-testing option shall satisfy the periodic testing requirements in NFPA 101, Life Safety Code as well as the International Building Code (IBC). The Intelli-Charge circuit shall continuously sample ambient temperature conditions and adjust the charging regime to compensate for typical and dramatic ambient conditions 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 (Self-Powered Models Only) - The battery shall be maintenance-free, sealed nickel cadmium utilizing sintered plate construction and polypropylene separators for trouble-free operation. The Caliber Series edge-lit sign shall carry a UL damp location listing for use in ambient conditions ranging from 32° F (0° C) to 104° F (40° C). The battery shall be tested and recognized in accordance with the accelerated life testing requirements of the IEC.

ILLUMINATION - The Caliber Series edge-lit exit signs shall be illuminated by high intensity, long-life LEDs. Average legend illumination shall be equal to or greater than 25 fl (79 cd/m^2).

HOUSING - The edge-lit exit housing shall be constructed of premium die cast aluminum available in an array of durable, polyester powder-coated finishes. A standard bar hanger kit shall be supplied to facilitate recessed applications. A clear, acrylic exit panel shall be provided, in red or green, with optional white or mirrored inserts. Field-applied chevrons shall be standard and supplied with an application template.

ISO 9001 CERTIFIED
CHLORIDE SYSTEMS
272 West Stag Park Service Road • Burgaw NC 28425
Telephone: (910) 259 1000 • Facsimile: (800) 258 8803
www.chloridesys.com

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