



CRS Series Edge-Lit Surface Mount Exit Sign



PROJECT: _____
FIXTURE TYPE: _____
LOCATION: _____
CONTACT/PHONE: _____



CONSTRUCTION

- Extruded aluminum LED lamp housing mounts to a form-fitting canopy in solid aluminum that contains a "cam lock" device, which is field adjustable for wall or ceiling mount.
- Standard finishes: satin white and brushed aluminum.
- Optional finishes: Painted colors in any custom shade, or anodized finishes in satin bronze, polished gold, mirror silver & many others.
- Diamond polished acrylic lenses for optimum light transmission, exterior quality and high brightness.
- Ultra high output LEDs produce brilliant graphic illumination well above code minimums

ELECTRONICS

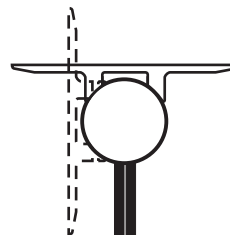
- Universal 120/ 277 VAC input for standard battery or AC unit, or 24 VDC input for remote configuration.
- Power supply is surge and spike protected, with a low voltage disconnect.
- The complete power supply module with optional NICAD battery pack is sealed within a phenolic plastic enclosure, which fits inside a standard 4" square deep J- box. AC and DC wiring is quickly attached with plug connectors.

SELF-DIAGNOSTICS OPTION

- An advanced microprocessor monitors all charger functions and battery condition continuously and automatically performs all tests and visual indications required by UL Standard 924 and NFPA 101.

MOUNTING

- Field selectable wall or ceiling mount. No exposed hardware.



CODES

- Manufactured and tested to UL Standard 924. Conforms to NFPA Life Safety Code 101, UBC and NEC.

WARRANTY

- 5 year total customer satisfaction warranty. For details see product catalog technical data section.

ORDERING INFORMATION

Model	Operation	No. of Faces	Letter Color	Background Color	Trim Finish	Arrow Directions	Mount	Options
CRS	BB= Battery Backup	1 = Single	R= Red	C= Clear (SF)	W= Satin White	NA= No Arrow	TW= Universal	See page 2
	NB= No Battery	2 = Double	G = Green	M=Mirror (DF)	BA= Brushed Alum	AR= Arrow Right >	Top or Wall	
	(AC Only)			For Other Options See Page 2	X= Custom	AL= Arrow Left <	Mount	
						AB= Arrow Both < >		
						<u>Double Face Signs:</u>		
						NA= No Arrow		
						LR= Single Arrow Each Side >		
						AB= Double Arrow Each Side < >		

Ordering Example: CRSBB-1RCBA-NA-TW-DG



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SUGGESTED SPECIFICATIONS

Supply and install Mule Lighting's CRYSTAL Series CRS surface mount LED exit signs, available as unit equipment. The lamp housing and canopy shall be of extruded aluminum, graphic lenses shall be optical grade acrylic with diamond polished edges. Lighting uniformity shall be better than 4:1 when measured over any illuminated area and average brightness will exceed 6 ft Lambert (21 Cd/m²). Life expectancy of the LEDs shall be in excess of 20 years. The power supply and charger shall be an isolated digital type with regulated current and voltage output to the lamp load and batteries (emergency models). AC supply shall be universal 120/277 VAC input via two-wire feed. Emergency operation at least 90 minutes for each sign. Battery charge time to restore full capacity after discharge shall be less than 24 hours.

OPTIONS

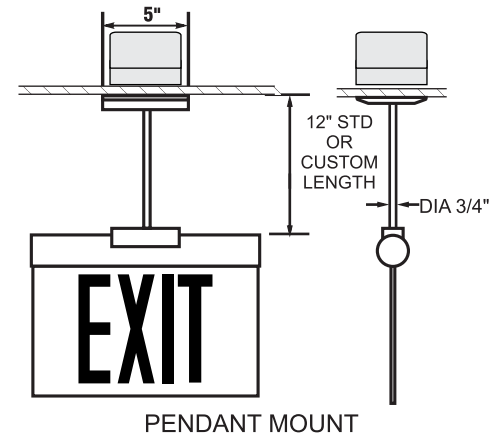
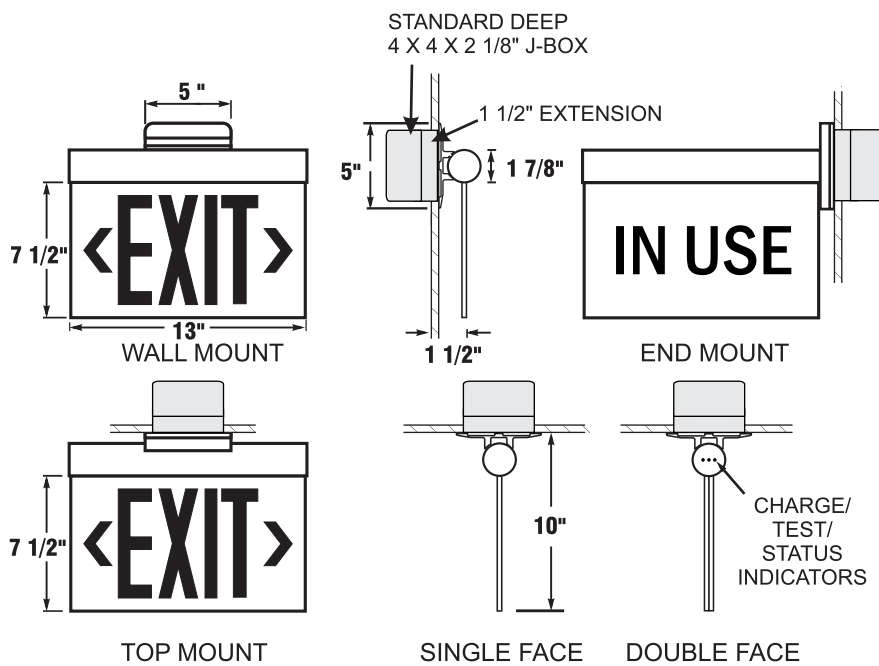
CODE

Dual AC Input (120 VAC)	DAC
Pendant Mt 12"	PEN
Pendant Mt (Custom Length)	PENX
Damp Location	DP
Battery Diagnostics	DG
End Mount (L/R)	LE/RE
Mullion Mount	MM
Mirror Lens (SF)	M
White Lens (SF & DF)	W
Satin Bronze	BZ
NYC 8" Letters Single Face	CRS8XX1
NYC 8" Letters Double Face	CRS8XX2
10" Letters Single Face	CRS10XX1
10" Letters Double Face	CRS10XX2
Inverted Panel	INV

For other Custom Colors: Call Factory

NOTE: PRE-INSTALL 4" X 4" X 2 1/8" DEEP J-BOX WITH 1 1/2" EXTENSION RING FOR BB & NB MODELS

MOUNTING DATA & DIMENSIONS:



BATTERY DIAGNOSTIC FUNCTIONS:

Microprocessor programmed to perform tests as follows:

Continuous Monitoring w/ 1 Second Sampling	Every 28 Days	Every 12 Months
Lamp Connections	Transfer switch function	Full 90 minute emergency operation test with test/fail and manual report signal
Battery Connections	Battery discharge rate under full load	

SELF-TEST DIAGNOSTIC FUNCTIONS

STATUS	LED DISPLAY
NORMAL MODE	OFF
FAILED LAMP	GREEN
FAILED CHARGER	RED
FAILED TRANSFER	ORANGE
FAILED BATTERY	RED FLASH
FAILED ANNUAL TEST	ORANGE FLASH