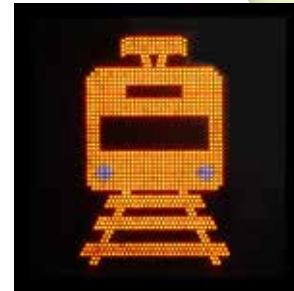


LED Blank-Out Signs

Cabinets
Controllers
Signals
Signs
Software
Specialty



Various standard and custom graphics, and size options available

Overview

McCain's LED Blank-Out Signs are an excellent way to provide clearly visible information to motorists, even in direct sunlight, ideal for reinforcing traffic signals and minimizing undesirable motorist movements. Blank-out signs are a superior alternative to static warning and regulatory signs due to their increased visibility, creating a safer driving environment. McCain offers both custom and standard signs that conform to the Manual on Uniform Traffic Control Devices (MUTCD) standards. In addition, the enclosures for McCain's LED Blank-Out Signs meet NEMA 3R standards.

Benefits

- Symbols conform to MUTCD sign standards, and fonts to Highway Gothic, "D"
- Automatic dimming responds to ambient light reducing energy consumption
- LED strings are staggered to maintain symbol integrity if one LED should fail
- Modern design with LED's mounted on modular circuit boards
- Assemblies can be removed and replaced with simple hand tools for easy maintenance
- Door is easy to open and fully sealed with the same flange design as standard traffic cabinets

Product Description

McCain LED Blank-Out Signs are a valuable tool for effective traffic control. The signs high-quality, rugged LED design are easily turned on when providing more traffic information to motorists is required.

Red, white, or amber ultra-bright LED's are mounted onto modular printed circuit boards (PCB's) for easy maintenance. Signs interiors are readily accessible through a full front-access door and all subassemblies can be readily removed and replaced with simple hand tools.

A photocell and dimming circuitry allow for the automatic adjustment of the sign's luminosity under all environmental conditions. A solid state power supply and sign control relay make these signs extremely versatile.

LED Blank-Out Signs

Standard Features

- Conforms to applicable MUTCD standards
- LED's mounted on modular PCB's
- LED strings with no more than 4 LED's per string, are staggered to maintain symbol integrity if an LED fails
- Non-glare, high-impact, gray acrylic window
- Automatic dimming adjusts to ambient light level
- Can withstand temperatures ranging from -37° C to 74° C and humidity from 0 to 95% (non-condensing)
- 7" sun visor
- Screened weep holes
- Reliable FR4 PCB's, black solder mask, conformal coated

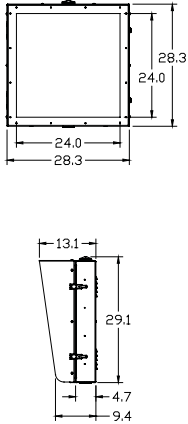
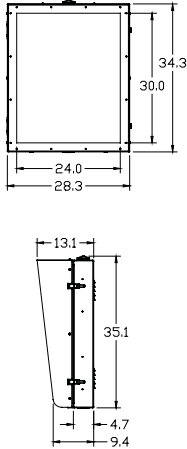
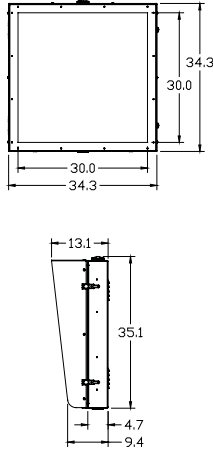
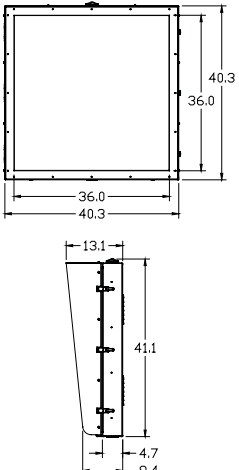
Assemblies

- Modular message circuit boards (with LED's)
- Solid state power supply
- LED interface board (dimmer)
- Photocell
- Control relay
- Field connection terminal block

Options

- Small format available in pedestrian housings
- Adjustable flashing circuit
- Custom messages and symbols
- Several sizes available

General Specifications

Window Dimensions:	24" x 24"	24" x 30"	30" x 30"	36" x 36"
Overall Dimensions ¹ :	28" x 28" x 6" (13" incl. visor)	28" x 34" x 6" (13" incl. visor)	34" x 34" x 6" (13" incl. visor)	40" x 40" x 6" (13" incl. visor)
Available Messages (MUTCD or Caltrans designations shown where applicable):	No Right Turn Symbol (R3-1) No Left Turn Symbol (R3-2) Right Turn Only Words (R41) Left Turn Only Words (R42) No U-Turn Symbol (R3-4)	Bus Symbol & Word (RA-020)	No Right Turn Symbol (R3-1) No Left Turn Symbol (R3-2) Trolley Symbol (W10-7)	Use 2 (or 3) Lanes Words Do Not Enter Words No Right Turn, Words (R16b)
Housing:	Material: 5052-H32 marine-grade aluminum, 0.125" thick; Finish: Black powder coat (custom colors available)			
Access:	Front, hinged door with padlock hasp			
LED Type / Colors:	Red: 630 nm λ and amber: 591 nm λ , high intensity, AlInGaP White: x=0.31, y=0.31, high intensity, InGaN			
Sign Viewing Angle:	Red & white LED's: 23°, amber LED's: 30°			
Power Supply:	Solid state, 95 - 125 VAC input, 12-15 VDC output, >95% power factor			
Power Consumption:	35 W - 105 W (varies per message)			
Ventilation:	Ventilation louvers provided on back of housing, includes washable filter			
Weight:	48 lbs	60 lbs	65 lbs	94 lbs
Front & Side View ² :				

¹ Dimensions rounded to the nearest inch

² Dimensions rounded to the nearest 0.1"

To learn more about McCain's Integrated Traffic Solutions, please contact info@mccain-inc.com or call (760) 727-8100



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