

SWARCO

# McCain BLANK-OUT SIGNS



McCain Blank-Out Signs (BOS) are an excellent way to provide clearly visible information to motorists, even in direct sunlight. McCain BOS are a superior alternative to static warning and regulatory signs due to their increased visibility, creating a safer driving environment and are ideal for reinforcing traffic signals and minimizing undesirable motorist movements.



## KEY BENEFITS

- Create a safer driver environment
- Reduce total cost of ownership with low energy consumption and minimal maintenance
- Improve visibility with wider angles and superior contrast ratios
- Eliminate glare caused by sunlight and headlights
- Respond to ambient light with automatic dimming
- Eliminate additional cooling equipment due to little or no heat emission
- Simplify maintenance with easily replaced DIN rail components

## PRODUCT DESCRIPTION

McCain BOS feature SWARCO's patented lens technology and flat black front panels creating a high-contrast ratio for superior visibility. Front and back light sensors, plus dimming circuitry allow for the automatic adjustment of the message's luminosity under all environmental conditions.

McCain BOS have a reduced total cost of ownership due to low energy consumption and minimal maintenance costs. If maintenance is required, the sign's interior is accessible through a full front-access door that can be fixed at 90° and all components can be easily removed and replaced with simple hand tools.

Offering both custom and standard symbols/messages that conform to the Manual on Uniform Traffic Control Devices (MUTCD) standards, you're sure to find the right configuration for your needs.

# McCain BLANK-OUT SIGNS

## GENERAL SPECIFICATIONS

Model Series:	32x32 Full Matrix BOS V12646
Matrix Type:	Full Matrix
Display Resolution (pixels):	32 (w) x 32 (h)
Number of Lines & Chars/Symbols:	4 Lines x 4 Chairs @ 8" Char. Height Series E2000 MUTCD/NEMA TS4
<b>OPTICAL</b>	
Display Color:	Full Color
Display Area:	19.91" x 19.91"
Pixel Pitch [mm]:	16
Pixel Type:	Cree (3 in 1 RGB SMD)
Luminance [cd/m <sup>2</sup> ]:	L3* (16,758 white) / (9,321 yellow)
Viewing Angle:	B6 30° or B7 60°
Chromaticity:	C2
Contrast Ratio:	R3 (24:1)
Optical Classification:	EN 12966-1:2005+A1:2009
Color Deepnest:	Color deepnest 24 bits (2 <sup>24</sup> ) (RGB)
Max. Operating Current per pixel:	6.21mA (White RGB) / 3.94mA (Yellow)
<b>MECHANICS</b>	
Housing Size:	26.52"W x 26.52"H x 8.83"D
Display Access:	Front Access
Sign Placement Proposal:	40.2 / 25.2 + 15
Matrix Material:	>0.118" THK Anodized Aluminum and painted
Casing Material:	Skin 1/8 THK 5052-H32 Aluminum
Casing Color Finished:	Any RAL
External Fixation:	Zeebar/ mounting brackets/ Pelco bracket
Water/Dust Ingress Rating:	NEMA 4x
Display Weight (Kg/Pd) Approx:	26/56
Wind Load Rating:	WL9
Bending Rating:	TBD2
Dynamic Snow Load Rating:	DSL0
Operating Temperature:	T1 (-15°C up to +60°C)
Others:	Stainless Steel locks and hinges/Aluminum conduit inlets
<b>ELECTRICS</b>	
Supply Type:	120VAC / 60Hz 1Ph
Display Consump. [W] (Max / Typ.):	96 / 24
I <sub>max</sub> [A]/Display I <sub>max</sub> :	0.8
Others:	Other controls: Illuminance by integrated sensors, door contact switches
<b>CONTROLS &amp; SOFTWARE</b>	
Protocol of Communications	NTCIP 1203 v03 Rainbow controller / contact closure
Physical Layer	Ethernet / contact closure