

SWARCO

McCain FULL MATRIX BLANK-OUT SIGNS



McCain Full Matrix Blank-Out Signs (BOS) provide dynamic messaging with up to fifty different graphics and are highly visible even in direct sunlight. McCain Full-Matrix BOS are superior to static warning and regulatory signs due to their increased visibility and effectiveness in reinforcing traffic signals and minimizing undesirable motorist movements.



KEY BENEFITS

- Provides full matrix capabilities by yielding 50 different graphics
- Enables you to buy one sign instead of multiple
- Accommodates more flexibility than a static blank out sign
- Reduce total cost of ownership with low energy consumption and minimal maintenance
- Precision Optics lens technology provides reduced glare and exceptional message contrast and visibility
- Ensure longevity of investment with 5 year warranty

PRODUCT DESCRIPTION

The Full Matrix 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.

The Full Matrix BOS has the lowest total cost of ownership due to low energy consumption and minimal maintenance costs. Display custom or standard symbols or messages that conform to the Manual on Uniform Traffic Control Devices (MUTCD) standards.

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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

OPTICAL

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/m2]:	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 ²⁴) (RGB)
Max. Operating Current per pixel:	6.21mA (White RGB) / 3.94mA (Yellow)

MECHANICS

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

ELECTRICS

Supply Type:	120VAC / 60Hz 1Ph
Display Consumption [W] (Max / Typ.):	96 / 24
Imax [A]/Display Imax:	0.8
Others:	Other controls: Illuminance by integrated sensors, door contact switches

CONTROLS & SOFTWARE

Protocol of Communications	NTCIP 1203 v03 Rainbow controller / contact closure
Physical Layer	Ethernet / contact closure