



VULCANO 2.0 Series

Thanks to the evolution of traditional systems and the development of new technology, in 2009 a new lightbar called Vulcano, an innovative aerodynamic V-shape lightbar, completely adapted to the vehicle roof was born. Four years later, FEDERAL SIGNAL VAMA is pleased to announce the launch of its upgraded version **VULCANO 2.0**, having an higher protection rate IPX9K. This new Vulcano 2.0 equipped with the most advanced LED technology, the Solaris technology inspired by the rays of sunlight, provides exceptional wide angle of coverage.

- **360° LIGHT BEAM DISTRIBUTION.** Its V- shape combined with its advanced optic design provides 360° coverage in main lights and significantly greater off-axis warning than traditional linear light bars eliminating dark spots.

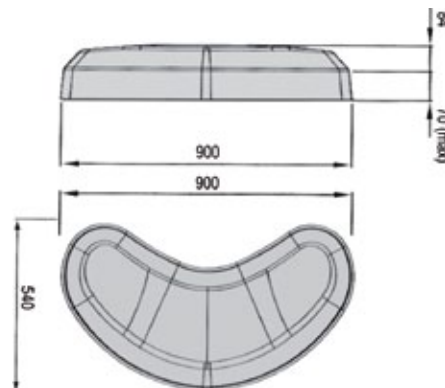
- **SOLARIS TECHNOLOGY.** Optical System with parabolic reflector composed by 3 Last generation LEDs.

- **ROC TECHNOLOGY (Reliable Onboard Circuitry).** ROC technology eliminates 85% of potential failure points in the lightbar, reducing repair costs and increasing the hours your emergency vehicles stay on the road. ROC incorporates a printed circuit board in one assembly to reduce the amount of electrical connections found in a typical lightbar.

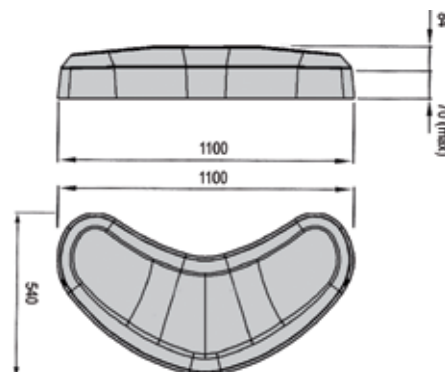
- **CANBUS.** Communication systems between lightbar, siren (AS-320) and the controller head (BCT500 or BCT2000). This system minimizes wiring installation and allows customizing the lightbar without removing it of the vehicle.

- **AERODYNAMICS.** Its mounting system totally adapted to the vehicle roof ensure that are more compact and dynamics.

- **COMPLETE COVERAGE.** Its V-shape design combined with the full coverage of the perimeter optimizes auxiliary lights giving 100% directional lighting.



Vulcano 2.0 dimensions A 36" (900mm) in mm.



Vulcano 2.0 dimensions A 44" (1100mm) in mm.

Operating voltage:	12V
Operating temperature:	-20 to +50°C
Current draw in steady burn:	0,5 A (1 module blue, red, white) 0,37 A (1 module amber)
Current draw in cruise light mode:	0,05 A (1 module blue, red, white)
Colours of LEDS:	Blue, red and amber
Colours of lenses:	Blue and clear



REF. MOD. DESCRIPTION

Specify All Options System

VUL-900	36" (900 mm) Vulcano Lightbar
VUL-1100	44" (1100 mm) Vulcano Lightbar (1). The length of the Vulcano lightbar depends on the vehicle model. See our product bulletin. (2). Mounting is not kit included in price and must be ordered separately). (3). There are two kinds of wirings installation systems: wiring harness with quick connetion or flat wiring, both includes in price. (The kind of wiring required has be mention when order is placed)

Priority Lights

VUL-SL	(18) modules of (3) high-intensity LEDs with parabolic reflector, blue (UN 65 approved), amber or red (UN 65 approved) light
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Lighting Options

VUL-SL	(1) modules of (3) high-intensity LEDs with parabolic reflector, blue, amber, red and white light * The function for each Solaris module in the lower level must be especified when the lightbar is ordered. ** Please contact your Sales Dept. for availability of configurations and versions.
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Preselected Models

Lenght 36" - 900mm

VUL-003-B	Vulcano Solaris Series lightbar, 900 mm, formed by: * Priority light: 27 Solaris modules, blue light * Auxiliary lights: - 2 front Solaris modules, white light - 2 alley Solaris modules, white light
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VUL-004-B	Vulcano Solaris Series lightbar, 900 mm, formed by: * Priority light: 21 Solaris modules, blue light * Auxiliary lights: - 2 front Solaris modules, white light - 2 alley Solaris modules, white light - 6 rear Solaris modules, amber light
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VUL-005-B	Vulcano Solaris Series lightbar, 900 mm, formed by: * Priority light: 23 Solaris modules, blue light * Auxiliary lights: - 2 front Solaris modules, white light - 2 alley Solaris modules, white light - 4 rear Solaris modules, amber light
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VUL-011-B	Vulcano Solaris Series lightbar, 900 mm, formed by: * Priority light: 18 Solaris modules, blue light * Auxiliary lights: - 3 front Solaris modules, white light - 2 alley Solaris modules, white light - 2 front Solaris modules, red light - 6 rear Solaris modules, amber light
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VUL-014-B	Vulcano Solaris Series lightbar, 900 mm, formed by: * Priority light: 19 Solaris modules, blue light * Auxiliary lights: - 2 front Solaris modules, white light - 4 alley Solaris modules, white light - 2 front Solaris modules, red light - 6 rear Solaris modules, amber light
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REF.	MOD.	DESCRIPTION
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Lenght 44" - 1100mm

VUL-002-B	Vulcano Solaris Series lightbar, 1100 mm, formed by: * Priority light: 20 Solaris modules, blue light * Auxiliary lights: - 4 front Solaris modules, white light - 2 alley Solaris modules, white light - 4 front Solaris modules, red light - 6 rear Solaris modules, amber light
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VUL-013-B	Vulcano Solaris Series lightbar, 1100 mm, formed by: * Priority light: 22 Solaris modules, blue light * Auxiliary lights: - 2 front Solaris modules, white light - 4 alley Solaris modules, white light - 2 front Solaris modules, red light - 8 rear Solaris modules, amber light
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VUL-015-B	Vulcano Solaris Series lightbar, 1100 mm, formed by: * Priority light: 20 Solaris modules, blue light * Auxiliary lights: - 4 front Solaris modules, white light - 2 alley Solaris modules, white light - 2 front Solaris modules, red light - 8 rear Solaris modules, amber light
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*Consult other Vulcano Series lightbars

100W Siren Amplifier

2020269	AS320DIG CAN BUS	100W siren amplifier, international tones (wail, yelp, hi-lo), 1 auxiliary output programmed with Priority lights, wiring, 12V. Compatible only with BCT2000 and BCT500CB Series control heads.
2020271	AS320-24DIG CAN BUS	100W siren amplifier, international tones (wail, yelp, hi-lo), 1 auxiliary output programmed with Priority lights, wiring, 24V. Compatible only with BCT2000 and BCT500-CB Series control heads.

Public address

8235984	AS320-PA CB	Public address kit with remote control. Volume and microfone functions control (for control head BCT2000)
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Control Heads

BCT2006-XX	BCT2006	BCT2000 Series control head. 6 control keys
BCT2010-XX	BCT2010	BCT2000 Series control head. 10 control keys
BCT2015-XX	BCT2015	BCT2000 Series control head. 15 control keys
BCT2021-XX	BCT2021	BCT2000 Series control head. 21 control keys
8216160XX	BCT500CB	BCT500 Series control head. 13 control keys. ** Please contact your Sales Dept. for availability.

Mount Accessories

82441318	CBLDO-48	Wiring harness kit with watertight plug for fast connection to lightbar. Length 4800 mm
82441318-01	CBLDO-98	Wiring harness kit with watertight plug for fast connection to lightbar. Length 9800 mm
82441323	CBLDO- PLANO	Intermediate connection kit for flat wiring

Converter CAN BUS - ANALOG

2006036		Inputs box to convert a CAN BUS lightbar in an analog system (the fuctions are activated through positive cable)
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Mounting options

8234173	VUL-FP	Permanent mounting
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