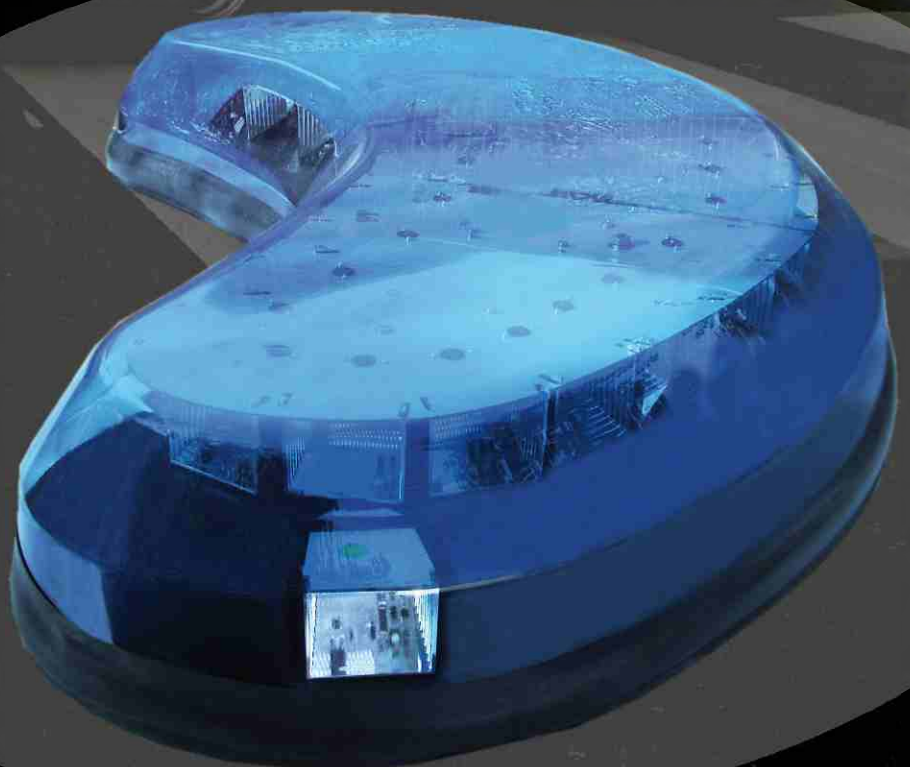


# VULCANO 2.0



Lightbar



# VULCANO 2.0

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 exceptionnal 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.** Optical System with parabolic reflector composed by 3 Last generation LEDs.



**ROC.** Lineal circuit board-to-board connection which reduce the number of electrical connections in a lightbar.



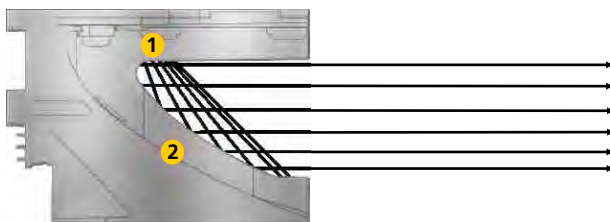
**CANBUS.** Communication systems between lightbar, siren (AS-320) and the controller head (BCT500 or BCT2000). This system minimizes wiring installation and allows customizing the lightbar without removing it of the vehicle.



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



**360° COMPLETE COVERAGE:** Its V-shape design combined with the full coverage of the perimeter optimizes auxiliary lights giving 100% directional lighting.



1 Last generation LED diodes.

2 Parabolic reflector maximizes LED light intensity.

Federal Signal Vama offers to his customers, the high performance and efficiency **Solaris** technology. Traditional light systems spread it in a random direction, LED **Solaris** Technology reflects a strong light beam where it is needed most, on a wide angle, avoiding dark spots.

## Available colours

R65

R65



## Approvals

Vulcano 2.0 Series (priority lights in blue) comply with R-65 european Regulation in Class 1 and Class 2.

Vulcano 2.0 Series (priority lights in red) comply with R-65 european Regulation in Class 1.

Vulcano 2.0 Series are according to R10 and with European directive 2009/19 on Electromagnetic Compatibility.

Vulcano Series are approved IPX9K (high-pressure & temperature resistant ) as well as IPX6 (high flow rate).



# VULCANO 2.0

## CONFIGURABLE OPTIONS

**Vulcano 2.0** Series has a wide range of set-up options for priority and complementary emergency warning.

### Priority lights

Composed by two sets of 9 LEDs Solaris with parabolic reflectors that provide exceptional emergency warning with excellent luminous coverage at intersections. Possibility of cruise light.

### Secondary options

All of them composed by 3 LEDs Solaris latest-generation with parabolic reflector.

### SIREN OPTIONS AS320DIG CAN BUS

- Horn connection
- Radio connection
- Remote microphone connection (optional)
- Auxiliary output lights (max. 10 A)
- Tachograph output (max. 1 A)



Remote microphone

AS320DIG siren amplifier

### CONTROL HEADS BCT2000 AND BCT500 CAN BUS

The BCT2000 and BCT500 stand out due to their compact and ergonomic design. Safe and easy to handle, they are fitted with a backlight keypad, in which active keys re brighter than the rest and emitting a "BEEP".

Different models availables (contact our Sales Department).

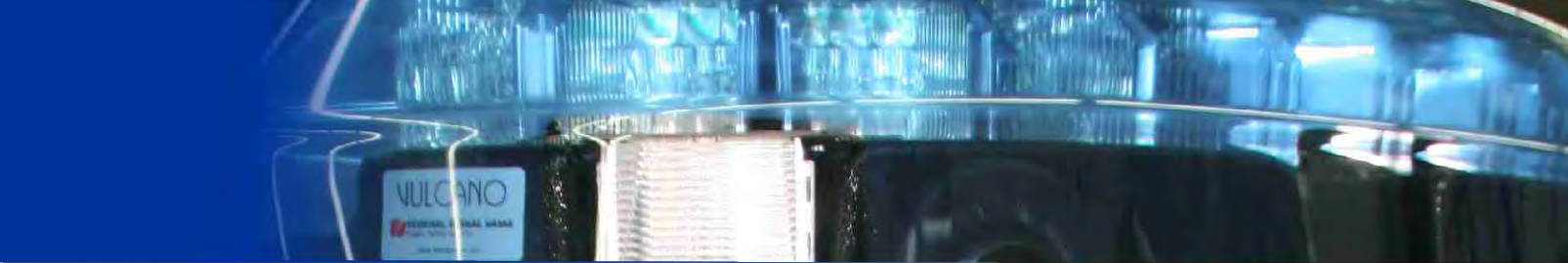


BCT500

BCT2000

### INPUTS BOX CONVERTER CAN BUS - ANALOG

You can convert your CAN BUS lightbar in an analog system through the interface box (Part n° 2006036).



The mould-based system designed to fit to each specific model of car brands ensures a complete adaptation to the vehicle roof.



Hook-on mounting kit

Permanent or hook-on mounting kit.

**Vulcano Series has two wiring installation systems to the vehicle.**

**WIRING HARNESS with quick connection:**

A wiring harness with watertight connector and a packing gland provides a quick connection to the lightbar and to the vehicle.

**FLAT WIRING:**

This new system provides access to the vehicle wiring through the door frame without any hole in the roof. Once inside the vehicle, an intermediate box enables to convert the flat cable to round cable in order to distribute the installation inside the vehicle.



Flat wiring

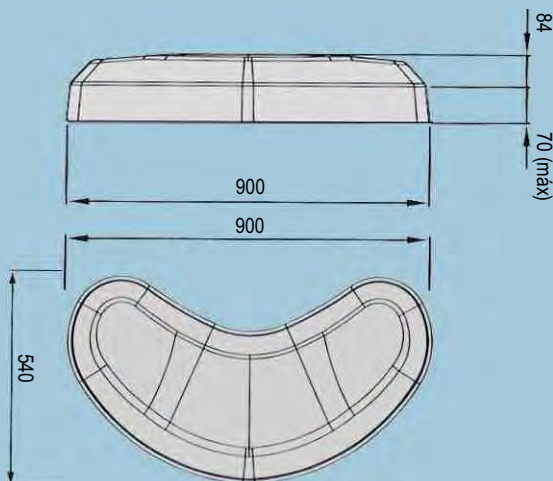
# VULCANO 2.0

## Technical Specifications

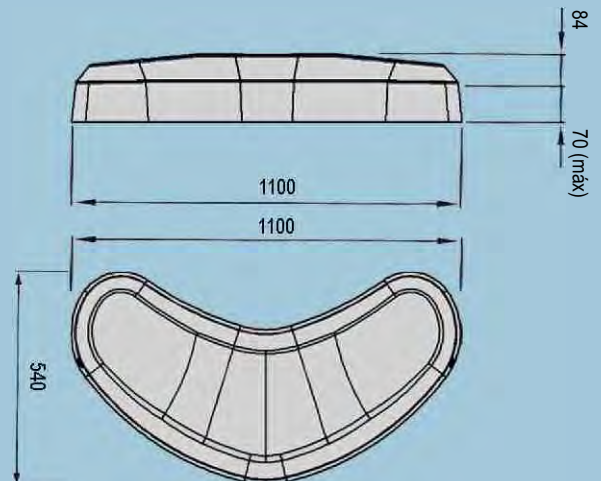
<b>Operating voltage:</b>	12 V
<b>Operating temperature:</b>	-20 to +50°C
<b>Current draw in steady burn:</b>	0,5 A (1 module blue, red, white) 0,37 A (1 module amber)
<b>Current draw in cruise light mode:</b>	0,05 A (1 module blue, red, white)
<b>Colours of LEDS:</b>	Blue, red and amber
<b>Colours of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



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



Vulcano 2.0 dimensions  
B 44" (1100mm) in mm





## HOW TO ORDER

Select options from the list below:

### Priority lights

Amber  Blue  Red

### Secondary Options

Extension for priority lights (R65)   
 Alley light (AL)   
 Take Down (TD)   
 Stop light (LP)   
 Front Flash (FF)   
 Rear Flash (RF)   
 Work lights (WL)   
 Brake light (LF)   
 Signalmaster (SM)

### Cruise Light

Yes  No

### Mount accesories

Wiring harness 4,8m   
 Wiring harness 9,8m   
 Flat wiring kit   
 Permanent mount   
 Hook-on-mount

### Siren Options

AS320 DIG CAN BUS 12V   
 Public Address kit

### Inputs Box

Converter CAN BUS- ANALOG

### Control Head

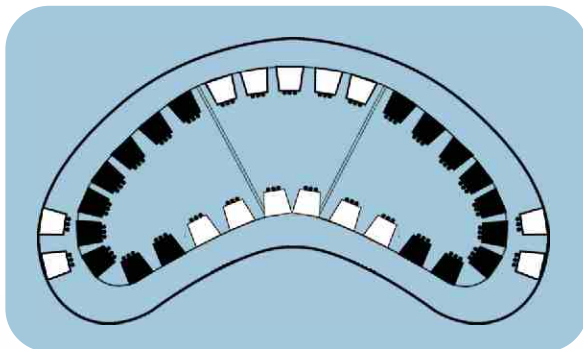
BCT2000   
 BCT500 (PA included)

### Select the type of vehicle:

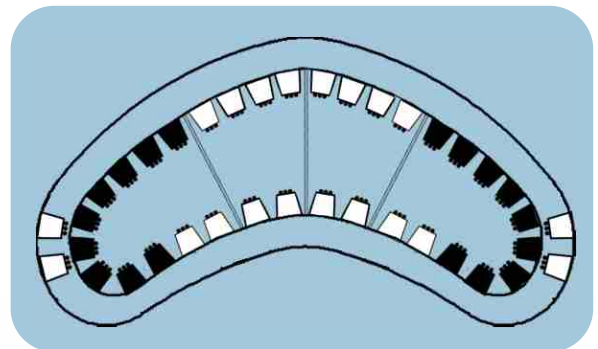
For versions before 01/04/13

<input type="checkbox"/> Citroën C4 Picasso	<input type="checkbox"/> Renault Scenic
<input type="checkbox"/> Fiat Bravo	<input type="checkbox"/> Renault Koleos
<input type="checkbox"/> Fiat Doblo	<input type="checkbox"/> Renault Megane
<input type="checkbox"/> Fiat Grande Punto	<input type="checkbox"/> Seat Altea / Altea XL / Freetrack
<input type="checkbox"/> Ford Focus	<input type="checkbox"/> Seat Exeo ST
<input type="checkbox"/> Nissan Qashqai	<input type="checkbox"/> Seat Toledo
<input type="checkbox"/> Nissan Xtrail	<input type="checkbox"/> Smart
<input type="checkbox"/> Peugeot 4007	<input type="checkbox"/> Suzuki Gran Vitara
<input type="checkbox"/> Peugeot 308	<input type="checkbox"/> Toyota RAV4
<input type="checkbox"/> Peugeot 3008	<input type="checkbox"/> Volkswagen Passat

Available length:  
A 36" (900mm)



Available length:  
B 44" (1100mm)



# A light in the dark

