



**FEDERAL SIGNAL VAMA**

*Protecting people and our planet*

# LEGEND



**Lightbar**



# LEGEND

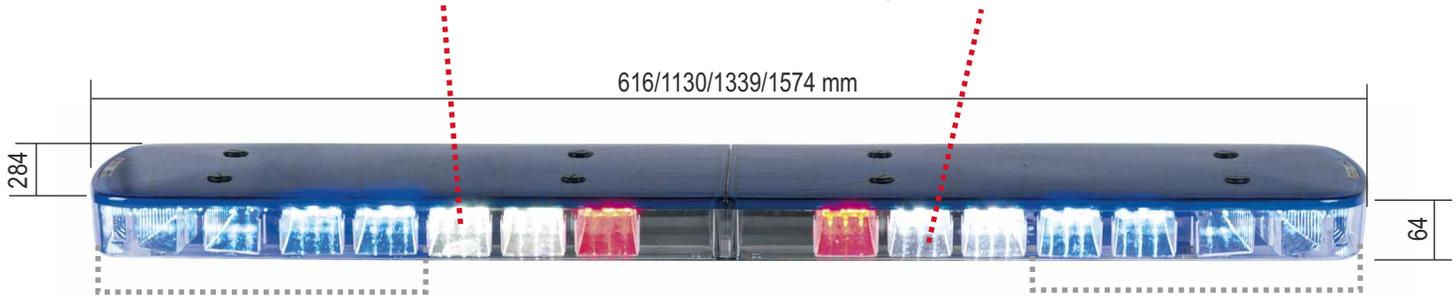
Federal Signal Vama presents **LEGEND** Solaris, an aerodynamic and low profile lightbar that integrates latest technological developments.

It is an efficient, simple and safe lightbar that provides exceptional 360-degree coverage. It also includes ROC technology (LEDs Solaris parabolic reflectors), developed by Federal Signal Vama.

The lightbar offers different lighting options: bicolour technology in priority lights, takedown and alley lights and SignalMaster.

Legend modules are made up of 3 last generation LEDs with parabolic reflectors on a high efficiency linear circuit board with an integrated microprocessor.

The parabolic reflector maximizes the LEDs lighting intensity. The light emitted by the reflector offers a wide coverage angle, avoiding dark spots and shadows.



## PRIORITY BICOLOUR LIGHTS

Keeping the rest of the lightbar options available, including the acoustic and lighting configurations.



## AS320DIG CAN BUS SIREN AMPLIFIER:

- ✓ Horn-ring connection
- ✓ Radio repeat connection
- ✓ Control head connection with remote control (optional)
- ✓ Relay output for auxiliary light (10A max. and connected to Legend lightbar)
- ✓ Relay output for tachograph (max. 1 A)



Remote control microphone



A solution for each application





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**FLEXIBLE TECHNOLOGY.** Possibility to change the LEDs colours (red, blue, amber and white) according to the desired configuration.
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**BICOLOUR TECHNOLOGY.** In the priority lights, there is the possibility to incorporate bicolour lights (red, blue, amber or white)
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**SOLARIS TECHNOLOGY.** Solaris Technology provides exceptional 360-degree coverage.
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**LOW PROFILE.** Aerodynamic design.
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**FULL LEDs.** Lightbar that provides LEDs in its 360 degrees, achieving a complete lighting coverage.
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**INCREASED SECURITY.** Better grip and stability that improves vehicle's security on the road due to its less aerodynamic drag.
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**INTEGRATED SEARCH LIGHT.** This new search light is completely built-in inside the lightbar, has got an exceptional light beam thanks to its latest generation LEDs and provides an extra lighting in emergency situation when required.  
 (\*) The inclusion of an integrated search light at Legend lightbar doesn't allow to install auxiliary lights below this integrated search light.
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**CAN BUS.** Legend uses CAN BUS communication with the different lighting and acoustic options, such as BCT2000 control head series or AS320 siren-amplifier.
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**ROC.** Linear circuit board, that connects them together significantly reducing the number of electronic connexions inside the lightbar.

## MOUNTING OPTIONS



Integrated search light



Permanent mounting Kit



Metal mounting kits on bars

## CONTROL HEADS BCT2000 / BCT500 CAN BUS. SMART WEB CONTROL

The **BCT2000** and **BCT500CB** stand out due to their compact and ergonomic design. Safe and easy to handle, they are fitted with a backlit keypad, in which active keys are brighter than the rest and emitting a "BEEP".

Different models availables (contact our Sales Department).



BCT2000



BCT500CB



SMART WEB CONTROL

## INPUTS BOX CONVERTER CAN BUS - ANALOG

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

## TECHNICAL SPECS.

### Legend lightbar

<b>Voltage:</b>	10-30 V
<b>Operating temperature:</b>	-20 to +50°C
<b>Current draw (average) per module in flash mode:</b>	0,4 A (12V) / 0,3 (24V)
<b>Current draw (average) per module in cruise light mode:</b>	0,05A (12V) / 0,03A (24V)
<b>LED colours:</b>	Blue, amber, red and white
<b>Lenses colours:</b>	Blue, amber and clear

## AS320DIG CAN BUS Technical Specs.

<b>Voltage:</b>	12V or 24V
<b>Operating temperature:</b>	-20 to +50°C
<b>Output power with 13,5V with one speaker:</b>	100W
<b>with two speakers:</b>	180W
<b>Intensity with one speaker:</b>	10A max / 5A max
<b>with two speakers:</b>	18A max / 8A max
<b>Output voltage:</b>	60V
<b>Dimensions:</b>	55 x 135 x 170 mm
<b>Weight:</b>	1300 g



## HOW TO ORDER

### Specify All Options System

**LGD-B45"**, 45" (1130 mm) Legend Lightbar, wiring harness  
**LGD-B53"**, 53" (1339 mm) Legend Lightbar, wiring harness  
**LGD-B61"**, 61" (1547 mm) Legend Lightbar, wiring harness  
**LGD-B70"**, 70" (1753 mm) Legend Lightbar, wiring harness  
*Mounting kit is not included in price and must be ordered separately*

### Priority Lights

**LGD-SL**, (16) modules of (3) high-intensity LEDs with parabolic reflector, blue (UN 65 approved) amber (UN 65 Approved) or red light (UN 65 approved)

**LGD-SL BI**, (16) modules of (3) high-intensity LEDs with parabolic reflector, blue (UN 65 approved) amber (UN 65 Approved) or red light (UN 65 approved) **BICOLOUR**

### Lighting Options

**LGD-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 specified when the lightbar is ordered.

Please contact your Sales Dept. for availability of configurations and versions.

### 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 with with BCT2000 and BCT500CB control heads series.

2020271 **AS-320-24DIG CAN BUS**, 100W siren amplifier, international tones (wail, yelp, Hi-Lo), 1 auxiliary output programmed with Priority lights, wiring, 24V. Compatible with with BCT2000 and BCT500CB control heads series.

### Public address

8235984 **AS320-PA CB**, Public address kit with remote control. Volume and microfone functions control (for control head BCT2000) 12V

### Control Heads

BCT2004-01 **BCT2004**, BCT2000 Series control head. 4 control keys.  
 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 (public address included)  
*Please contact your Sales Dept. for availability.*

### SMART WEB CONTROL Control head

4520186-01 Smart Web Control unit  
 8216183-01 Smart Web Control Head  
 8216160SI3 BCT500CB-SI3 control head  
 4520246 Programming license Smart Web Control (validity 1 year from first activation)

### Mounting options

**LGD-FB**, integrated search light for Legend Series lightbar 12V\*  
**LGD-FB-24**, integrated search light for Legend Series lightbar 24V\*  
**LGD/FP**, permanent mounting kit  
**LGD-FB**, metal mounting kits on bars (contact our sales department for available models)  
**A-CT19**, roof connector, 19-ways  
 Cover for 1100mm. (44")

4004536 (\*) The inclusion of integrated search light in Legend lightbar doesn't allow to install auxiliary lights below this integrated search light.

### Converter CAN BUS - ANALOG

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

All Federal Signal Vama CAN BUS lightbars are compatible with FEDEMERGENCY System from Atenea Integrated Vehicle Solutions. For more information see ATENEA Catalogue.

Contact our Sales Department for further information.



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