



FEDERAL SIGNAL VAMA

Protecting people and our planet

LEGEND



Lightbar



LEGEND



Federal Signal Vama presents a new low profile lightbar with the latest technological developments, **LEGEND** Solaris Series.



MULTICOLOR TECHNOLOGY. LED colour change option (red, blue, amber and white) depending on requested configuration.



SOLARIS TECHNOLOGY. Solaris Technology and ROC design provide exceptional 360-degree coverage, which eliminates dark spots and creates superior off-axis warning around the lightbar.



LOW PROFILE. Aerodynamic design.



FULL LED. Amber lightbar with Solaris Technology provides exceptional 360 degrees coverage, achieving a superior off-axis warning around lightbar.



INCREASED SECURITY. Better grip, stability and security to the vehicle on the road due to its less aerodynamic drag.



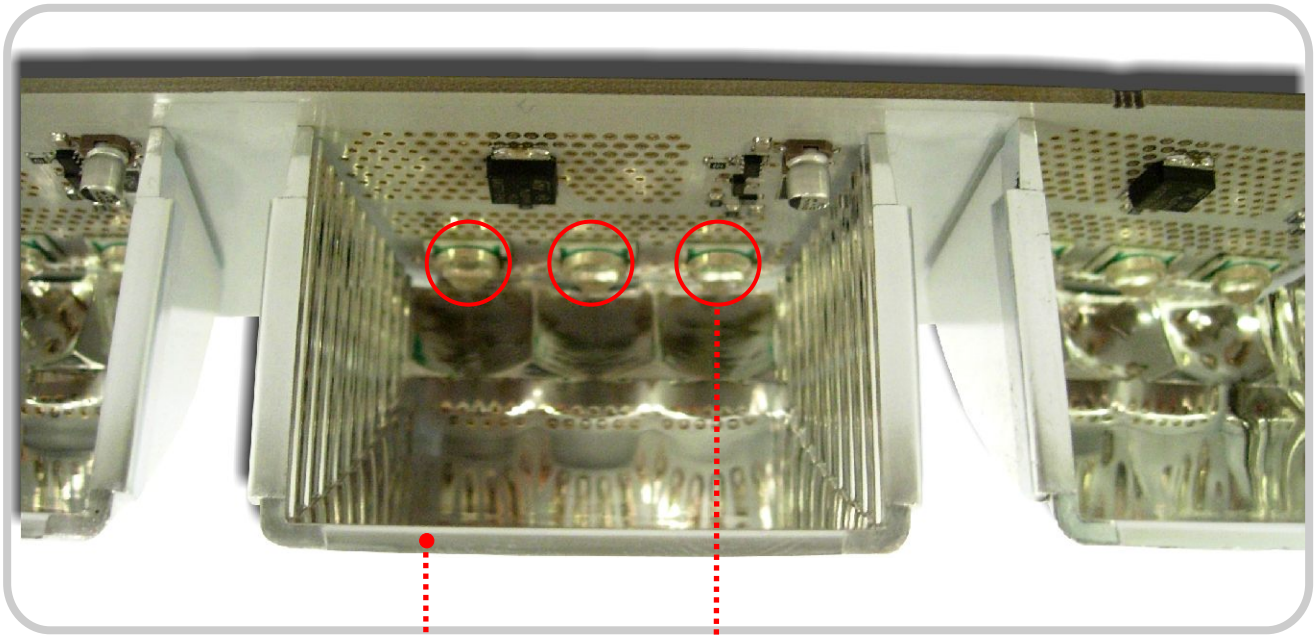
INTEGRATED SEARCH LIGHT. This new search light is completely built-in inside the lightbar, has got an exceptional light beam thanks to its latest generation LEDs and provides an extra emergency situation illumination when required.

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



CAN BUS. The new Series uses CAN BUS communication with the different lighting and acoustic options, such as BCT2000 control head series or siren-amplifier.





Last generation LEDs with parabolic reflectors on a linear circuit board that maximize the power of LEDs to produce a light beam of high intensity that dose not produce any dark spots. The ROC technology eliminates the conventional internal wiring.

Approvals

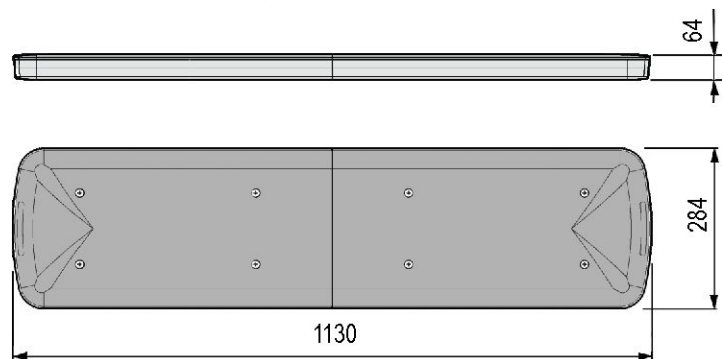
The Legend series comply with R65 Regulation.

Priority lights:

- **Blue.** Flash, rotating and day / night.
- **Amber.** Flash.
- **Red.** Flash and day / night.

The Legend series satisfy R10 Electromagnetic Compatibility Regulation.

Legend lightbar dimensions in mm.



LEGEND



To facilitate communication between the Legend Series also the different systems of vehicle control, we have included **ROC** and **CAN BUS** technology. The ROC technology, formed by latest generation circuit boards, minimizes the wiring installation inside of the lightbar.

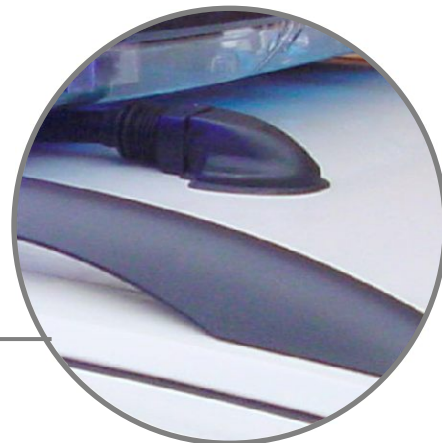
The integration of CAN bus technology makes easy the communication between lightbar, siren and control head, and minimizes also the installation into the vehicle.



Permanent mounting Kit

The Legend Series has two wiring installation systems to the vehicle.

- **WIRING HARNESS**
- **ROOF CONECTOR** 19 ways standard.



INTEGRATED SEARCH LIGHT

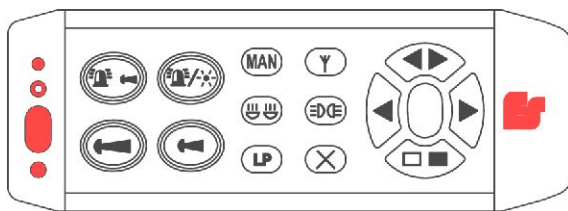


AS320DIG CAN BUS siren and ICS2000 control head

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

The BCT2000 series enables to control all the lighting options in the lightbar as well as the acoustic function in the siren.

Each key has a pre-programmed function in order to control the main warning lights, secondary lights and acoustic options*.



*See available control heads in "R65" Approval Configurations"

CAN BUS siren features:

- Horn-ring connection
- Radio repeat
- Remote control (optional) with microphone incorporated
- Relay output for auxiliary light
- Relay output for tachograph (max. 1 A)



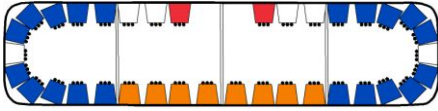
Remote control microphone



AS320DIG Siren amplifier

AVAILABLE R65 APPROVAL CONFIGURATIONS:

A 45" (1130 mm) (Ref.2059001)



- 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

Siren amplifier:

- CanBus siren 12V Ref.: 2020269
- CanBus siren 24V Ref.: 2020271
- Public address kit Ref.: 8235984

Installation options:

1. Electric
 - Wiring harness
 - Roof conector 19 ways standard
2. Mounting
 - Permanent mounting kite Ref. 8234174

Available control head:

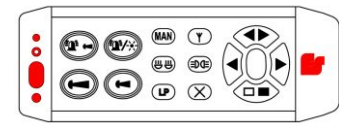
Ref: BCT2015-02

Functions:

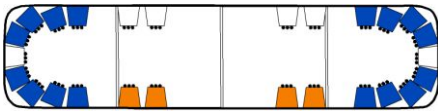
- Priority light / cruise light
- Siren (High and Low intensity)
- Emergency (Priority light and siren)
- Manual
- Radio Repeat
- Front lights

• Alley lights

- Front red light "Stop light"
- Deactivation aux output of the CAN BUS siren.
- SignalMaster control 8 modules
 - Right sequence
 - Left sequence
 - Centre to outwards sequence
 - Flashing centre-outwards mode



B 45" (1130 mm) (Ref.2059002)



- Priority light: 16 Solaris modules blue light
- Auxiliary lights:
 - 4 front Solaris modules, white light
 - 2 alley Solaris modules, white light
 - 4 rear Solaris modules, amber light

Siren amplifier:

- CanBus siren 12V Ref.: 2020269
- CanBus siren 24V Ref.: 2020271
- Public address kit Ref.: 8235984

Installation options:

1. Electric
 - Wiring harness
 - Roof conector 19 ways standard
2. Mounting
 - Permanent mounting kite Ref. 8234174

Available control head:

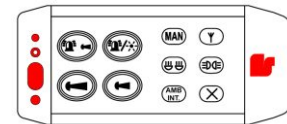
Ref: BCT2010-01

Functions:

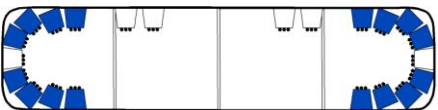
- Priority light / cruise light
- Siren (High and Low intensity)
- Emergency (Priority light and siren)
- Manual

• Radio Repeat

- Front lights
- Alley lights
- Rear amber lights
- Deactivation aux output of the CAN BUS siren.



C 45" (1130 mm) (Ref.2059003)



- Priority light: 16 Solaris modules blue light
- Auxiliary lights:
 - 4 front Solaris modules, white light
 - 2 alley Solaris modules, white light

Siren amplifier:

- CanBus siren 12V Ref.: 2020269
- CanBus siren 24V Ref.: 2020271
- Public address kit Ref.: 8235984

Installation options:

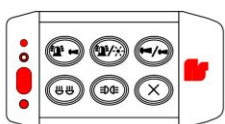
1. Electric
 - Wiring harness
 - Roof conector 19 ways standard
2. Mounting
 - Permanent mounting kite Ref. 8234174

Control head to choose:

Ref: BCT2006-01

Functions:

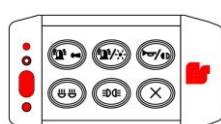
- Priority light / cruise light
- Siren (High and Low intensity)
- Emergency (Priority light and siren)
- Front lights
- Alley lights
- Deactivation aux output of the CAN BUS siren



Ref: BCT2006-02

Functions:

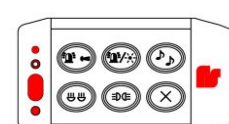
- Priority light / cruise light
- Siren (day/night)
- Emergency (Priority light and siren)
- Front lights
- Alley lights
- Deactivation aux output of the CAN BUS siren



Ref: BCT2006-03

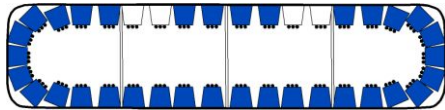
Functions:

- Priority light / cruise light
- Siren (WAIL/YELP/HI-LO)
- Emergency (Priority light and siren)
- Front lights
- Alley lights
- Deactivation aux output of the CAN BUS siren





D 45" (1130 mm) (Ref.2059004)



- Priority light: 34 Solaris modules, blue light
- Auxiliary lights:
 - 4 front Solaris modules, white light

Siren amplifier:

- CanBus siren 12V Ref.: 2020269
- CanBus siren 24V Ref.: 2020271
- Public address kit Ref.: 8235984

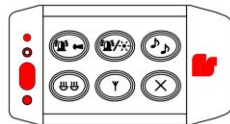
Installation options:

- Electric
 - Wiring harness
 - Roof conector 19 ways standard
2. Mounting
 - Permanent mounting kite Ref. 8234174

Control head to choose:

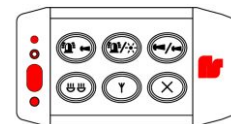
Ref: BCT2006-05

- Functions:
- Priority light / cruise light
 - Siren (WAIL/YELP/Hi-Lo)
 - Emergency (Priority light and siren)
 - Front lights
 - Deactivation aux output of the CAN BUS siren
 - Radio Repeat

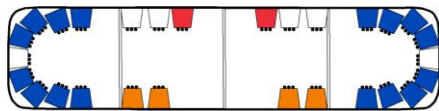


Ref: BCT2006-06

- Functions:
- Priority light / cruise light
 - Siren (High and Low intensity)
 - Emergency (Priority light and siren)
 - Front lights
 - Deactivation aux output of the CAN BUS siren
 - Radio Repeat



E 45" (1130 mm) (Ref.2059005)



- Priority light: 16 Solaris modules, blue light
- Auxiliary lights:
 - 4 front Solaris modules, white light
 - 2 alley Solaris modules, white light
 - 2 front Solaris modules, red light
 - 4 rear Solaris modules, amber light

Siren amplifier:

- CanBus siren 12V Ref.: 2020269
- CanBus siren 24V Ref.: 2020271
- Public address kit Ref.: 8235984

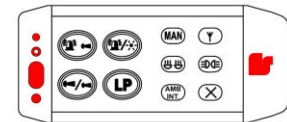
Installation options:

- Electric
 - Wiring harness
 - Roof conector 19 ways standard
2. Mounting
 - Permanent mounting kite Ref. 8234174

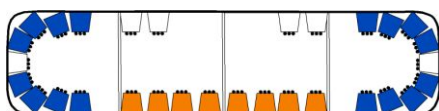
Available control head:

Ref.BCT2010-02

- Functions:
- Priority light / cruise light
 - Siren (High and Low intensity)
 - Emergency (Priority light and siren)
 - Manual
 - Radio Repeat
- Front lights
 - Alley lights
 - Front red light "Stop light"
 - Rear amber lights
 - Deactivation aux output of the CAN BUS siren.



F 45" (1130 mm) (Ref.2059006)



- Priority light: 16 Solaris modules, blue light
- Auxiliary lights:
 - 4 front Solaris modules, white light
 - 2 alley Solaris modules, white light
 - 8 rear Solaris modules, amber light

Siren amplifier:

- CanBus siren 12V Ref.: 2020269
- CanBus siren 24V Ref.: 2020271
- Public address kit Ref.: 8235984

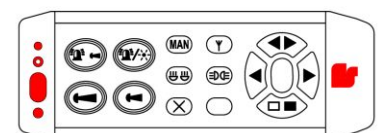
Installation options:

- Electric
 - Wiring harness
 - Roof conector 19 ways standard
2. Mounting
 - Permanent mounting kite Ref. 8234174

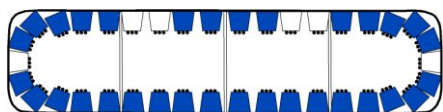
Available control head:

Ref:BCT2015-01

- Functions:
- Priority light / cruise light
 - Siren (High and Low intensity)
 - Emergency (Priority light and siren)
 - Manual
 - Radio Repeat
- Front lights
 - Alley lights
 - Deactivation aux output of the CAN BUS siren
 - SignalMaster control 8 modules
 - Right sequence
 - Left sequence
 - Centre to outwards sequence
 - Flashing centre-outwards mode



G 45" (1130 mm) (Ref.2059007)



- Priority light: 32 Solaris modules, blue light
- Auxiliary lights:
 - 4 front Solaris modules, white light
 - 2 alley Solaris modules, white light

Siren amplifier:

- CanBus siren 12V
Ref.: 2020269
- CanBus siren 24V
Ref.: 2020271
- Public address kit
Ref.: 8235984

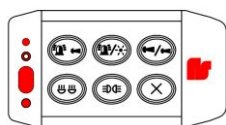
Installation options:

1. Electric
 - Wiring harness
 - Roof connector 19 ways standard
2. Mounting
 - Permanent mounting kite Ref. 8234174

Control head to choose:

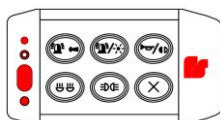
Ref: BCT2006-01

- Functions:
- Priority light / cruise light
 - Siren (High and Low intensity)
 - Emergency (Priority light and siren)
 - Front lights
 - Alley lights
 - Deactivation aux output of the CAN BUS siren



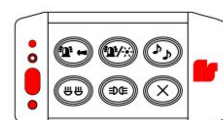
Ref: BCT2006-02

- Functions:
- Priority light / cruise light
 - Siren (day/night)
 - Emergency (Priority light and siren)
 - Front lights
 - Alley lights
 - Deactivation aux output of the CAN BUS siren



Ref: BCT2006-03

- Functions:
- Priority light / cruise light
 - Siren (WAIL/YELP/HI-LO)
 - Emergency (Priority light and siren)
 - Front lights
 - Alley lights
 - Deactivation aux output of the CAN BUS siren



Technical Specs.

Electrical potencial:	10-30 V
Operating temperature:	-20 to +50°C
Current draw (average) per module in flash mode:	0,4 A (12V) / 0,3 (24V)
Current draw (average) per module in cruise light mode:	0,4 A (12V) / 0,3 (24V)
Colours of LEDs:	Blue, amber, red and white
Colours of lenses:	Blue and clear

AS320DIG CAN BUS Technical Specs.

Electrical potencial:	12V or 24V
Operating temperature:	-30 to +50°C
Output power with 13,5V with one speaker:	100W
with two speakers:	180W
Intensity with one speaker:	10A max. / 5A max.
with two speakers:	18A max. / 8A max.
Output voltage:	60V
Dimensions:	55 x 135 x 170 mm
Weight:	1300 g