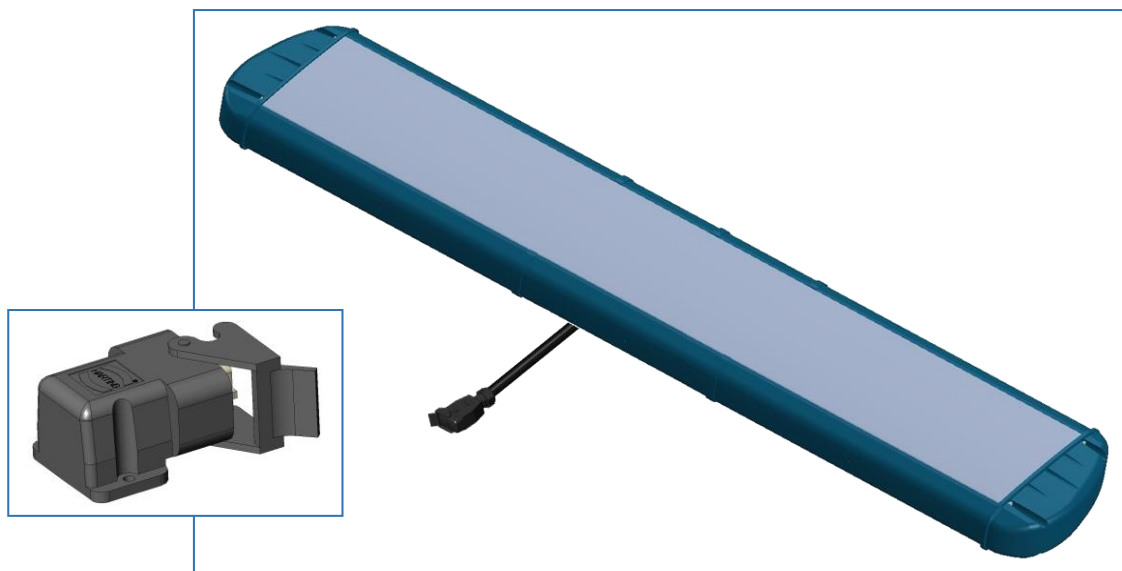


# TECHNICAL GUIDE

## VEGA RAMPS CLASS 2

WITH ROOF SOCKET



1. WARNINGS.....	3
2. POSITION OF THE LIGHTS (DEPENDING ON THE MODEL) .....	5
3. THE AVAILABLE MODELS.....	6
4. DIMENSIONS.....	6
5. ELECTRICAL CHARACTERISTICS .....	7
6. WIRING.....	13
7. SPECIFICITIES OF OPERATION.....	7
8. PRE-INSTALLATION .....	8
9. FIXINGS .....	8



Head office : Zone d'Activités " Les Gailletrous " - rue Louis Pasteur-.

41260 LA CHAUSSEE SAINT VICTOR

Tel : 02 54 57 52 52 - Fax 02 54 56 80 00

SAS with a capital of 102. 400 € - APE (NAF) 2790 Z - SIRET 310 999 891 00040



---

### LIMITS OF LIABILITY

The products have been developed in accordance with the applicable standards and regulations. The information in the technical documentation takes into account the state of the art and the knowledge and experience gained over many years.

STANDBY-MERCURA is in no way responsible for damages and consequences due to :

- Failure to comply with the information provided in the product documentation
- To the non-conforming use of the product
- Installation and application of products by unqualified personnel
- To changes made on the user's or operator's own authority
- Has technical modifications not been submitted and approved by MERCURA
- The use of spare parts not approved by MERCURA

### RESPONSIBILITIES OF THE INSTALLER

The installation of the equipment on a vehicle is the sole responsibility of the installer.

The installer defines the means and materials appropriate to the situation in order to deliver a complete installation connected and installed according to the rules of the art.

MERCURA is not responsible for any failures that may arise from the definition of the installation system, any reinforcements, the pavilion holes, the condition and quality of the installation surfaces, the use of the manufacturer's anchor points and the definition of the supply and protection of the system on the vehicle's energy source.

## RESPONSIBILITIES OF THE USER AND OPERATOR

STANDBY-MERCURA products are professional equipment and may only be used for this purpose. Their use is subject to the legal obligations in terms of occupational safety to which the operator must adhere. This includes safety and accident prevention regulations as well as environmental protection regulations. The use of this road equipment is subject to compliance with the rules defined by the highway code.

Obligation of the operator :

- Keeping abreast of current regulations concerning safety at work
- Carry out a risk analysis of the special working conditions at the site
- Adapting user training to regulations, standards and conditions of use
- Regularly check, when using the equipment, that the implementation rules comply with the safety rules and standards in force
- Ensure that operators have read and understood the equipment user manual.
- Ensure that users are regularly trained in the use of the equipment and informed of the hazards associated with its use.
- Provide personnel with the protective equipment associated with the task and ensure that it is used.

It is the responsibility of the operator:

- Ensure the curative and preventive maintenance of equipment
- Ensure that safety devices are checked regularly

## CUSTOMER SUPPORT

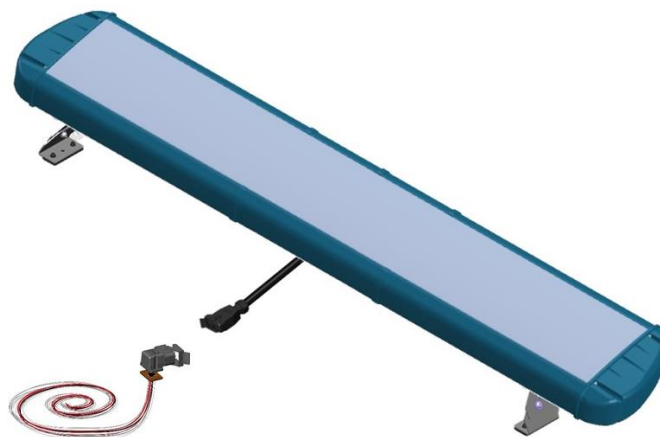
For any technical information, the STANDBY-MERCURA CUSTOMER SERVICE is at your disposal:

- Website: <http://www.mercura.fr/> under technical assistance
- Email : [support@mercura.fr](mailto:support@mercura.fr)
- Telephone number: +33 (0)2.54.702.702

Our service is available from Monday to Friday  
from 8.30 a.m. to 12 noon and from 1.30 p.m. to 5 p.m. (Friday until 4 p.m.)

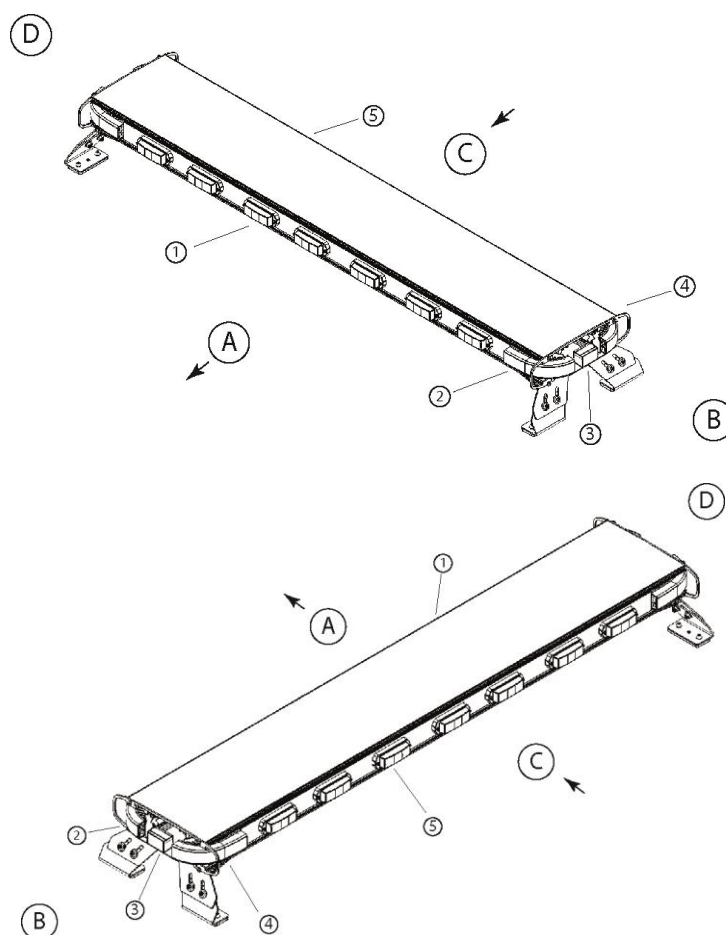
As part of our strategy of continuous improvement, our staff is always ready to listen to your comments on the installation of our equipment.

## 2. COMPOSITION



## 3. POSITION OF THE LIGHTS (DEPENDING ON THE MODEL)

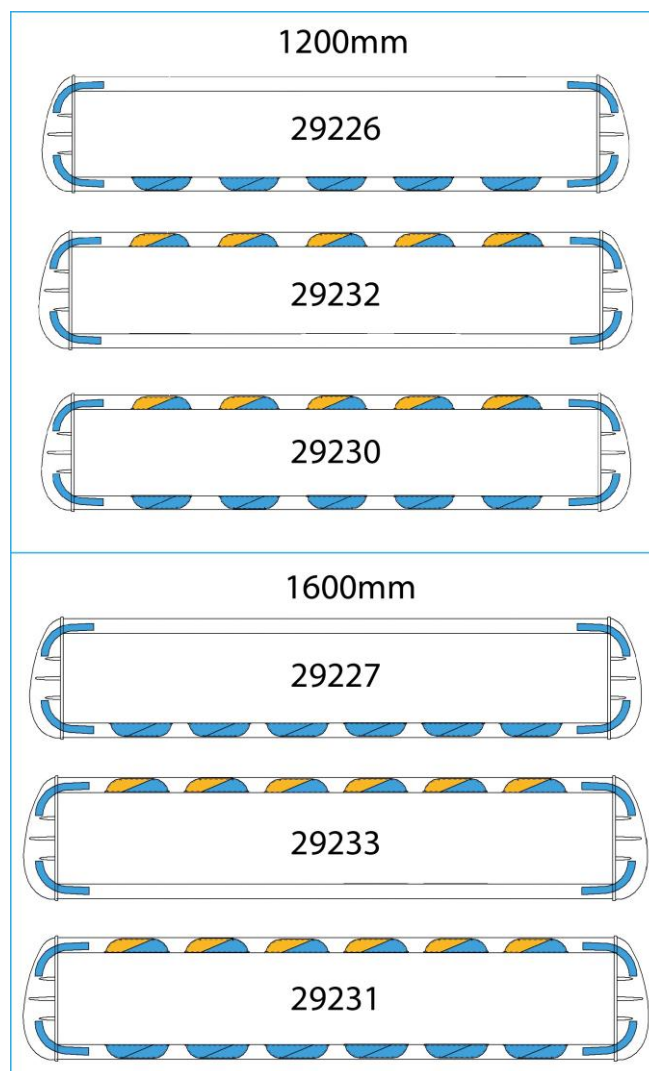
View of a VEGA ramp without fairing



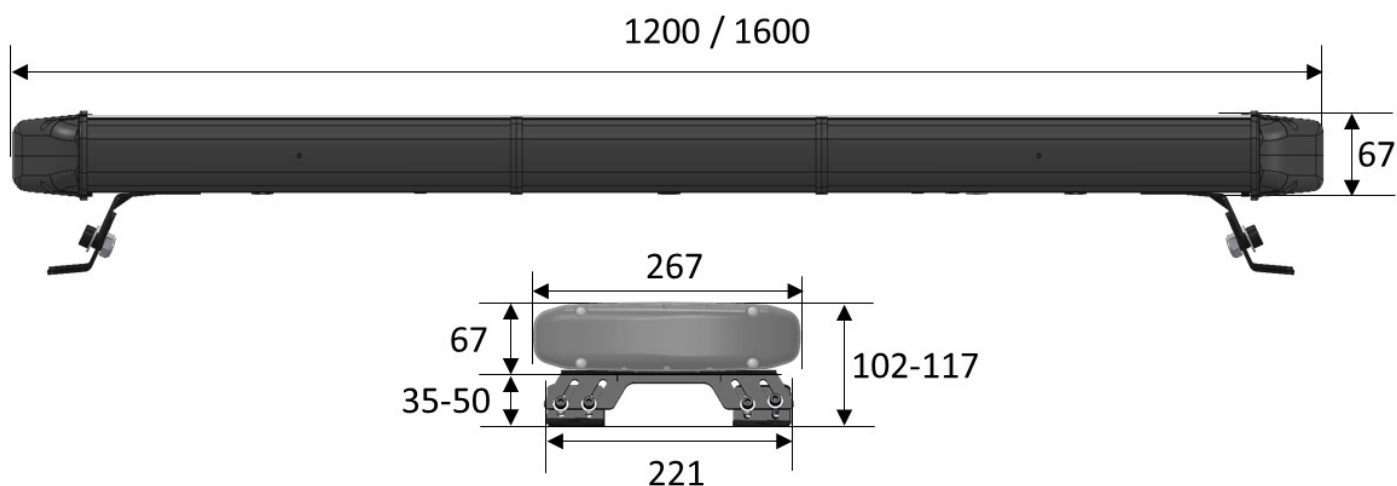
- A. Before
- B. Left side
- C. Rear
- D. Right side

- 1. Front lights (depending on model)
- 2. Front corner lights
- 3. Side spotlight
- 4. Rear corner lights
- 5. Rear lights (depending on model)

## 4. AVAILABLE MODELS



## 5. DIMENSIONS



Weight for a full ramp 1600mm part number 28550 :

- 15.6 Kg with fixings
- 13.7 Kg without fasteners

Weight of fixings: 1,9 Kg

## 6. ELECTRICAL CHARACTERISTICS

Data for the most complete 1600mm ramp reference 28550:

OPERATING VOLTAGE: 10-30 volts

CONSUMPTIONS :

### □ BLUE LIGHTS

Flash mode

- 7.2A peak at 13.5 volts / 4.1A peak at 27 volts
- 4.2A on average at 13.5 volts / 2.6A on average at 27 volts

Cruise mode

- 7A peak at 13.5 volts / 4.4A peak at 27 volts
- 4.5A on average at 13.5 volts / 3.4A on average at 27 volts

### □ ORANGE MARKER BAR

Flashing mode

- 2.8A peak at 13.5 volts / 1.5A peak at 27 volts
- 1.4A on average at 13.5 volts / 0.8A on average at 27 volts

Left scroll mode

- 0.5A peak at 13.5 volts / 0.3A peak at 27 volts
- 0.4A on average at 13.5 volts / 0.2A on average at 27 volts

Right scroll mode

- 0.5A peak at 13.5 volts / 0.3A peak at 27 volts
- 0.4A on average at 13.5 volts / 0.2A on average at 27 volts

Indoor-Outdoor scroll mode

- 1A peak at 13.5 volts / 0.6A peak at 27 volts
- 0.6A on average at 13.5 volts / 0.4A on average at 27 volts

## 7. SPECIFICITIES OF OPERATION

Regarding the operation, it is important to note the following points:

FLASH MODE / CRUISE MODE

Note: The "Cruise" mode allows the ramp lights to be activated in non-flashing operation and dimmed (night light).

To activate the "Cruise" mode, it is necessary to deactivate the "Flash" mode beforehand if it is active.

When the boom is in cruise mode, control in flash mode does not require deactivation of cruise mode. In this case, deactivating the "Flash" mode will return the ramp to "Cruise" mode.

FLASH CONTROL

The flash mode control operates all the lights in the ramp.

DEFILEMENT OF AMBER REAR LIGHTS

4 "Scroll" functions are available on ramps with amber tail lights.

1. Flashing Scroll (Warning)
2. Scroll Left
3. Scroll Right
4. Indoor-Outdoor Scrolling

Switching the bar to flashing mode from a scroll mode does not require deactivating the scroll mode. In this case, when deactivating the blink mode, the waypoint bar will switch to the previously active scroll mode.

However, it is necessary to deactivate the "Flashing" mode before activating another scrolling mode.

If the bar is in a certain scroll mode, any command to another mode without deactivating the previous one will switch the marker bar to flashing mode.

## 8. PRE-INSTALLATION

Before installation on the vehicle, pre-wire the VEGA ramp by flying "on the bench" in order to check its correct operation.



Use this test to **IDENTIFY** the **FRONT** of the ramp from the **REAR** of the ramp.

On ramps equipped with orange beacons, the rear is formalised by the orange scrolling lights (scrolling left, scrolling right, flashing warning mode).

---

## 9. FIXINGS

The ramp is supplied complete with fixings for easy installation on the vehicle roof. The fixing kit includes

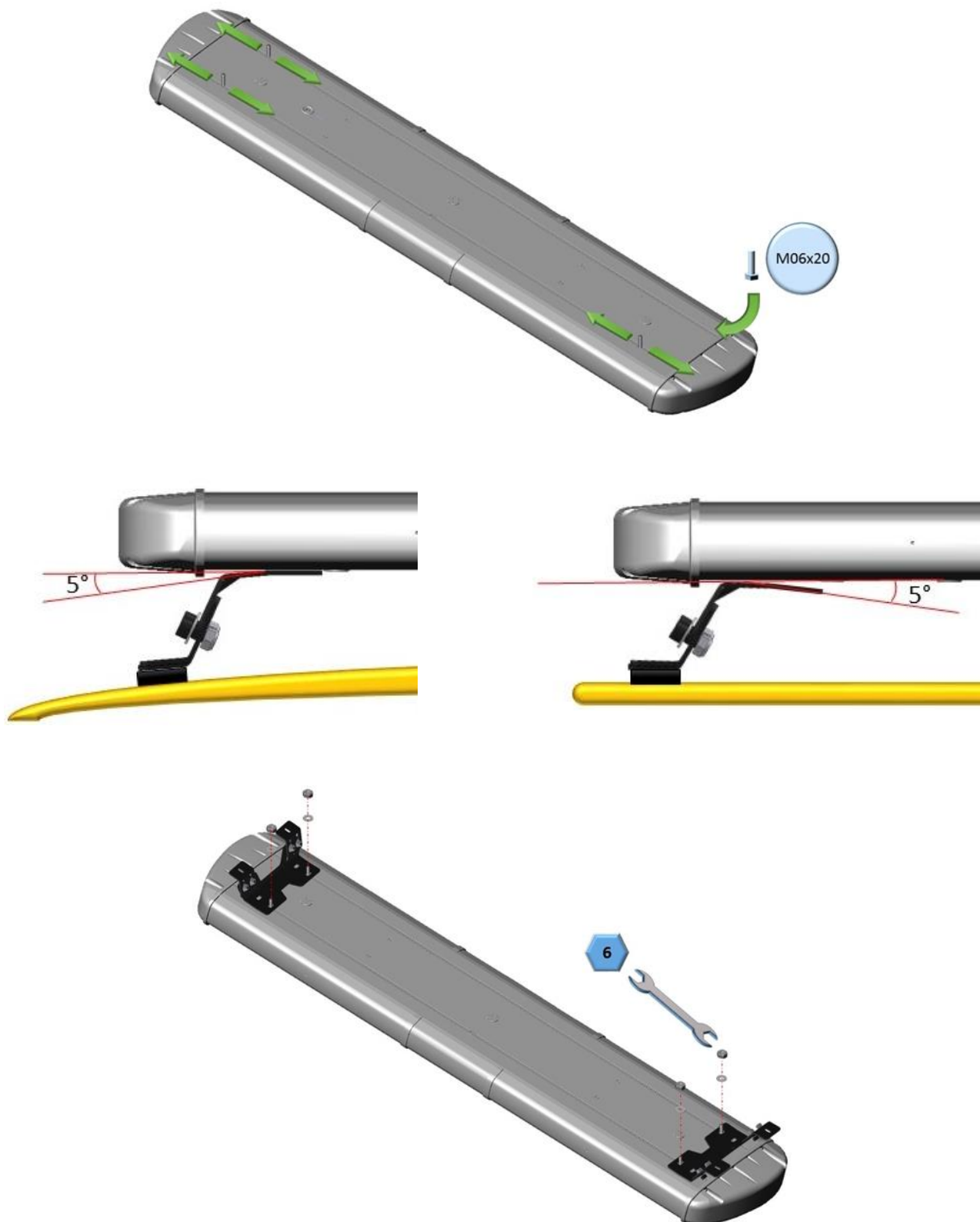
- 4 screws M6-30
- 4 Washers Ø16 Int7 ep11
- 4 locknuts type H 6
- 2 reinforcement plates

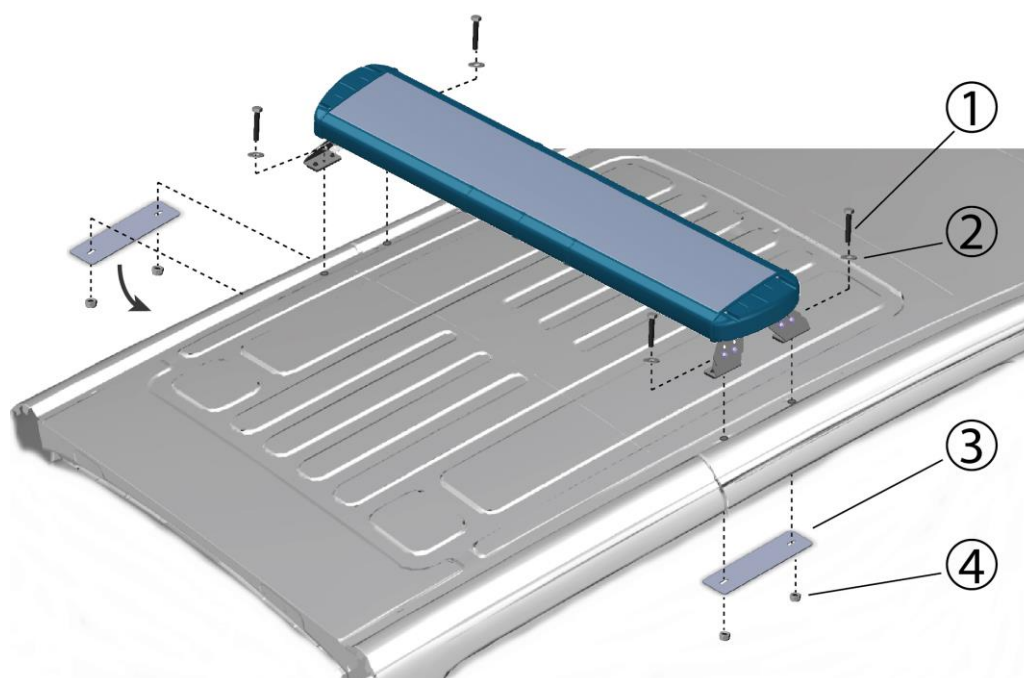
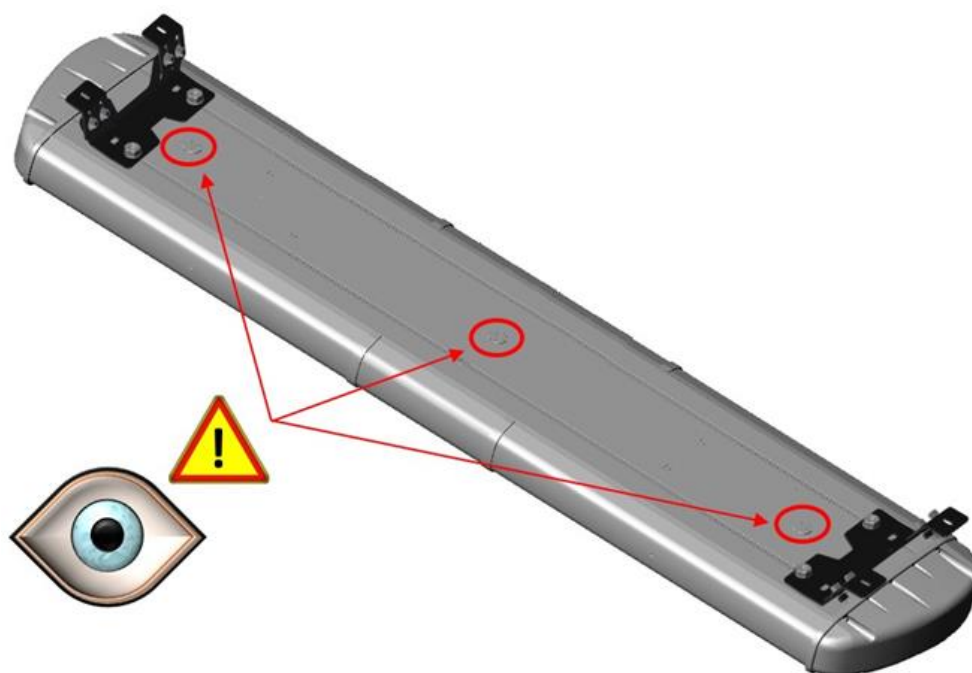




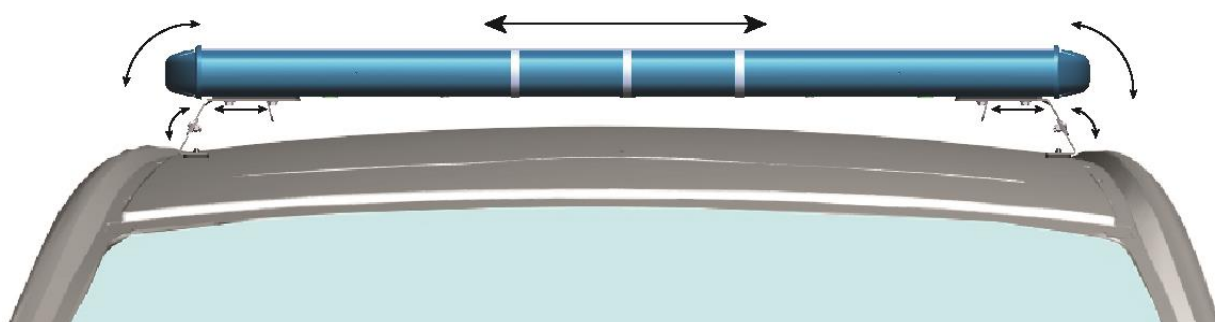


The through holes on the roof must be treated against corrosion and sealed with products suitable for the quality of the roof (not supplied).

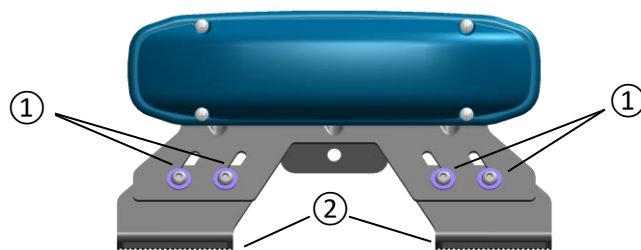
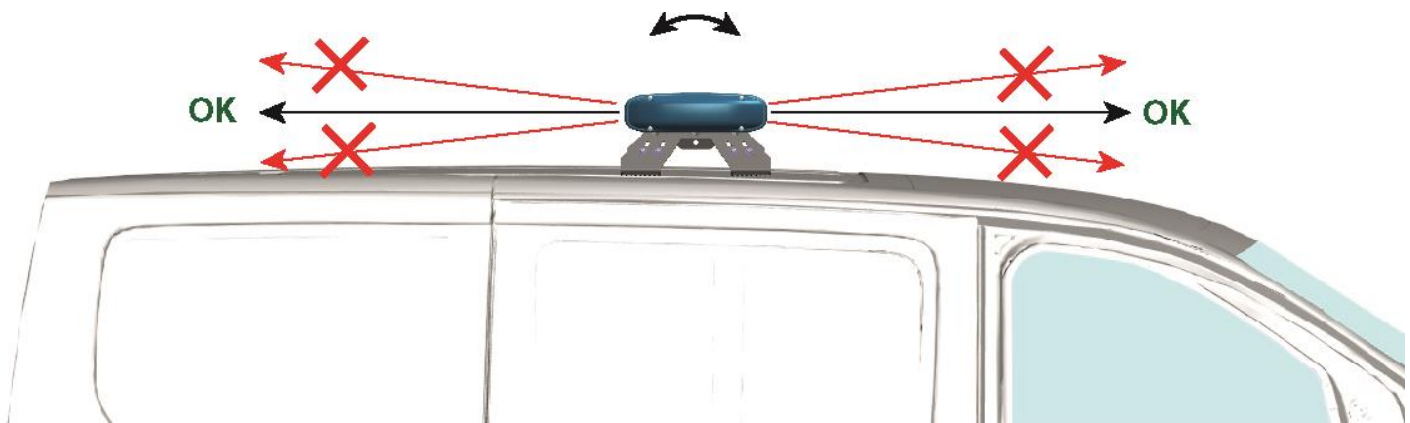




1. Screw M6-30
2. Washer Ø16 Int7 ep11
3. Reinforcement plate
4. Brake nut type H 6 .



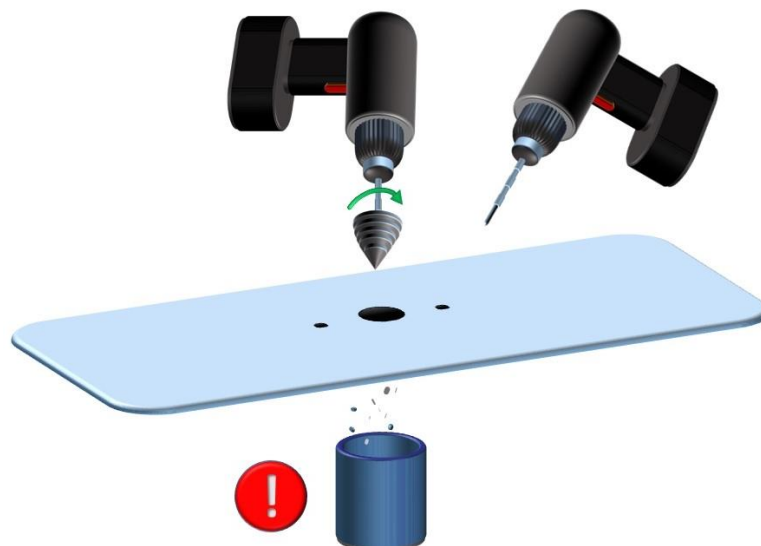
The screws securing the brackets to the ramp also allow the gap between the brackets to be adjusted to centre the ramp on the vehicle roof.

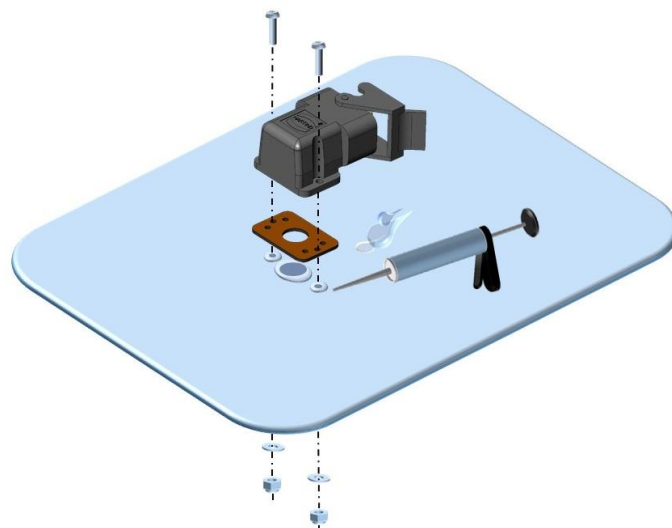
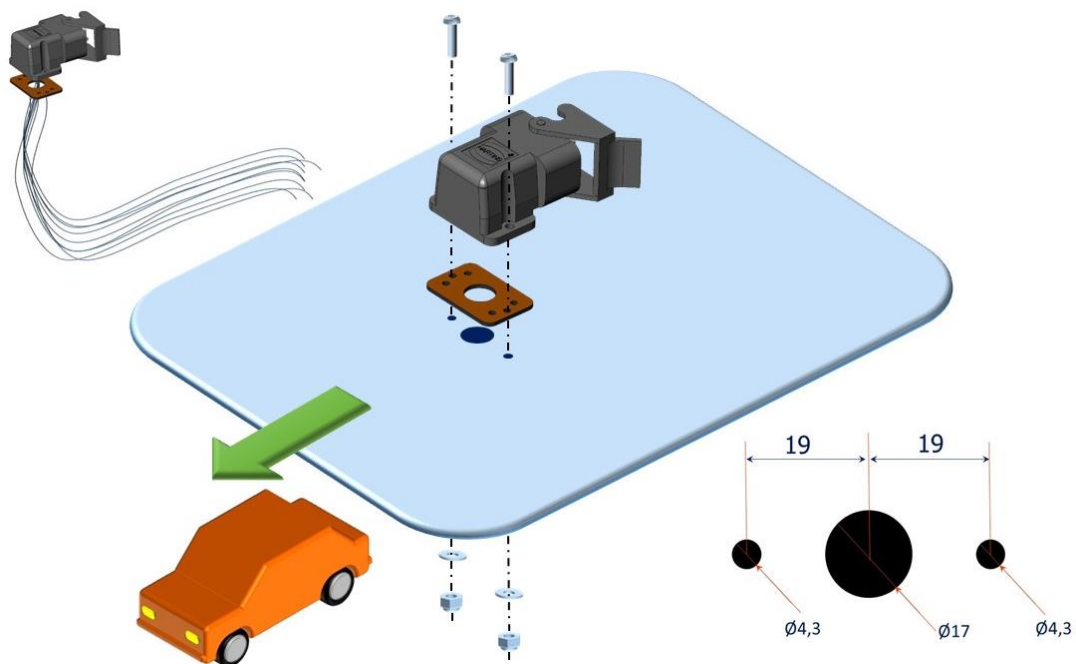
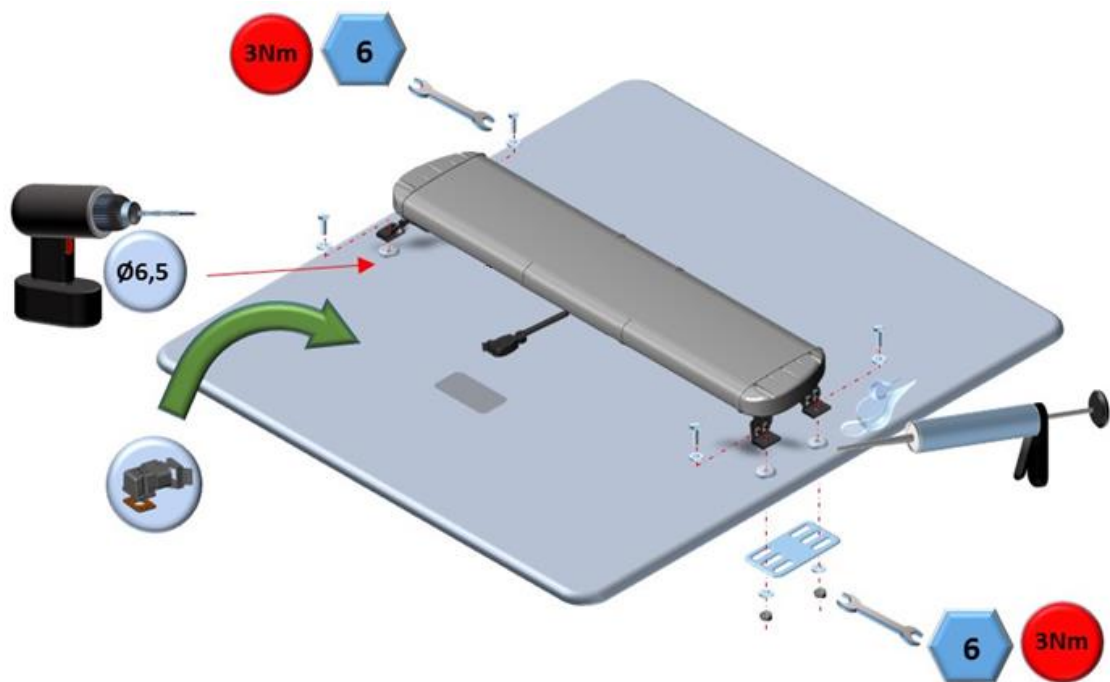


1. Support base fixing screws
2. Rubber pad for support bases

The support base fixing screws also allow for the adjustment of lateral and longitudinal inclinations.

**Tighten the fixing screws on the boom base to a torque of 3NM**

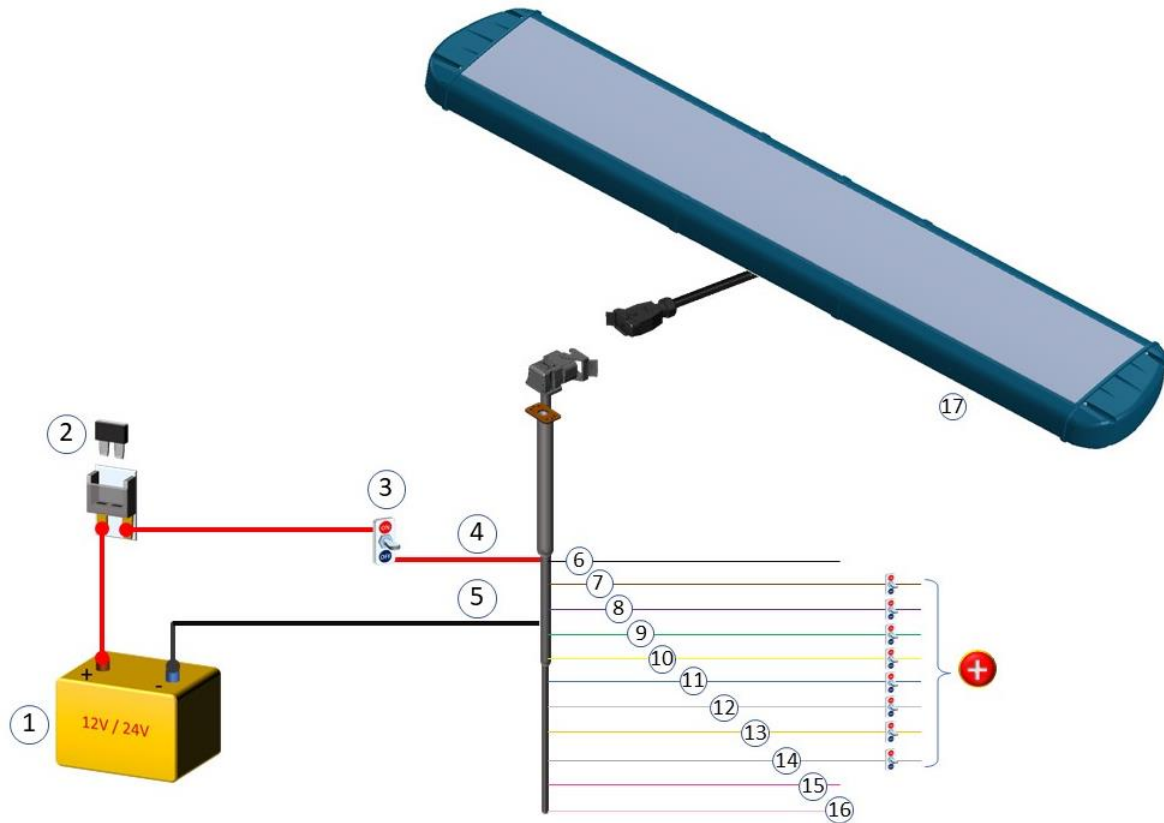




## 10. WIRING

Each function command is performed by applying a "+ Battery" to the wire of the colour associated with the function.

Boom power and functions are activated by commands to the "+" Battery using devices such as switches or MERCURA CCS CAN electronics. These controls are not supplied.



1. Battery
2. Fuse (Not supplied) to be calibrated according to boom model
3. Ramp power control switch (Not supplied)
4. Red wire 2.5mm<sup>2</sup>: Power supply wire for the ramp.
5. Black wire 2.5mm<sup>2</sup>: Ground wire of the ramp.
6. Black wire 0.5mm<sup>2</sup>: Not used (to be insulated)
7. Brown wire 0.5mm<sup>2</sup>: **R65 flash mode** control of the blue lights of the ramp.
8. Violet wire 0.5mm<sup>2</sup>: **Right-hand scrolling** control of the orange rear lights.
9. Green wire 0.5mm<sup>2</sup>: **Left scrolling** control of the orange rear lights.
10. Yellow wire 0.5mm<sup>2</sup>: **Flashing** command (Warning) of the orange rear lights.
11. Blue wire 0.5mm<sup>2</sup>: **Inner-outer scrolling** control of the orange rear lights.
12. White wire 0.5mm<sup>2</sup>: **Side lights** (Left & right if option)
13. Orange wire 0.5mm<sup>2</sup>: **Cruise mode** control (night light) of the ramp lights.
14. Grey wire 0.5mm<sup>2</sup>: **Night Mode** (Light Damping)
15. Dark pink wire 0.5mm<sup>2</sup>: Not used (to be insulated)
16. Light pink wire 0.5mm<sup>2</sup>: Not used (to be insulated)
17. VEGA ramp



The wiring diagram shows all the available wires for the most complete ramp. Some wires are therefore missing on some models.