

MTD-68/MTD-80/MTD-103 LED BAR



- MTD 68: LED signalling bar with 6 amber lights.
- MTD 80: LED signalling bar with 7 amber lights.
- MTD 103: LED signalling bar with 9 amber lights.

Selection of 4 scrolling modes out of 12.

CARACTERISTICS

- Power supply 10 V - 30 V
- Maximum consumption in flashing mode WARNING

	For 13.5 V		For 27 V	
	On average	At peak	On average	At peak
MTD-68	1.38 A	2.48 A	0.78 A	1.44 A
MTD-80	1.61 A	3.36 A	0.91 A	1.68 A
MTD-103	2.1 A	4.4 A	1.2 A	2.2 A

	MTD-68	MTD-80	MTD-103
Weight	2.10 kg	2.30 kg	2.5 kg
Length with the brackets inward	680 mm	800 mm	1030 mm
Length with the brackets outward	736 mm	856 mm	1086 mm

- Height with mountings: 57 mm / Height without mountings: 37 mm
- Width: 47 mm



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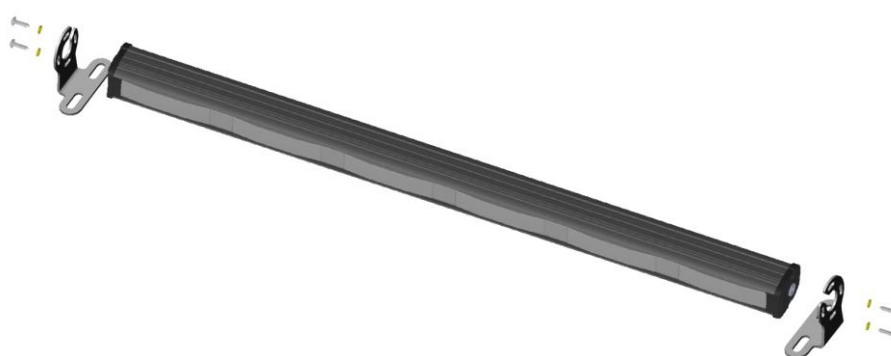
SAS with capital 102.400 € - APE (NAF) 2790 Z – SIRET 310 999 891 00040

4 MOUNTING MODES (ALL VERSIONS)

Mountings downward and brackets outward.



Mountings downward and brackets inward.



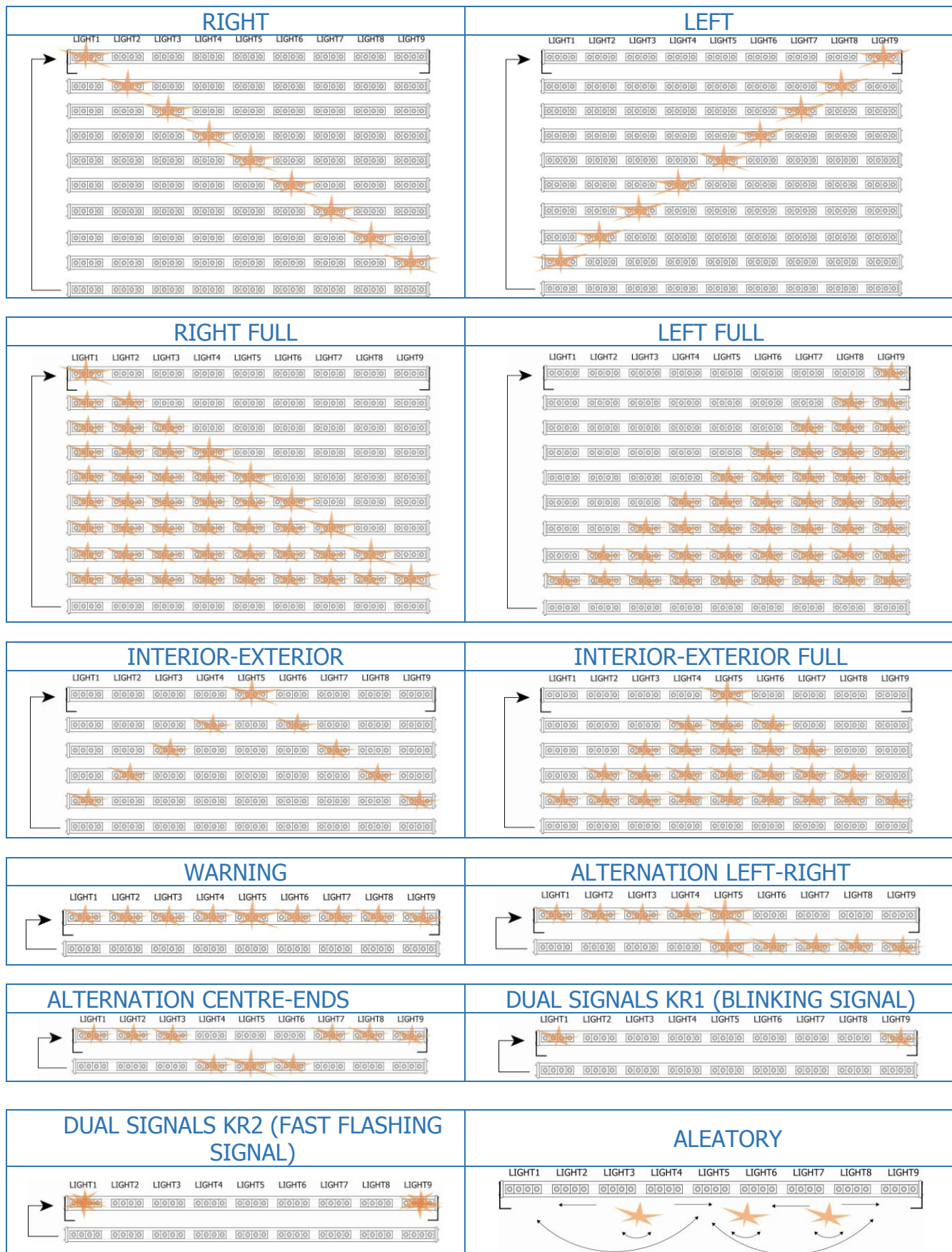
Mountings backward and brackets outward.



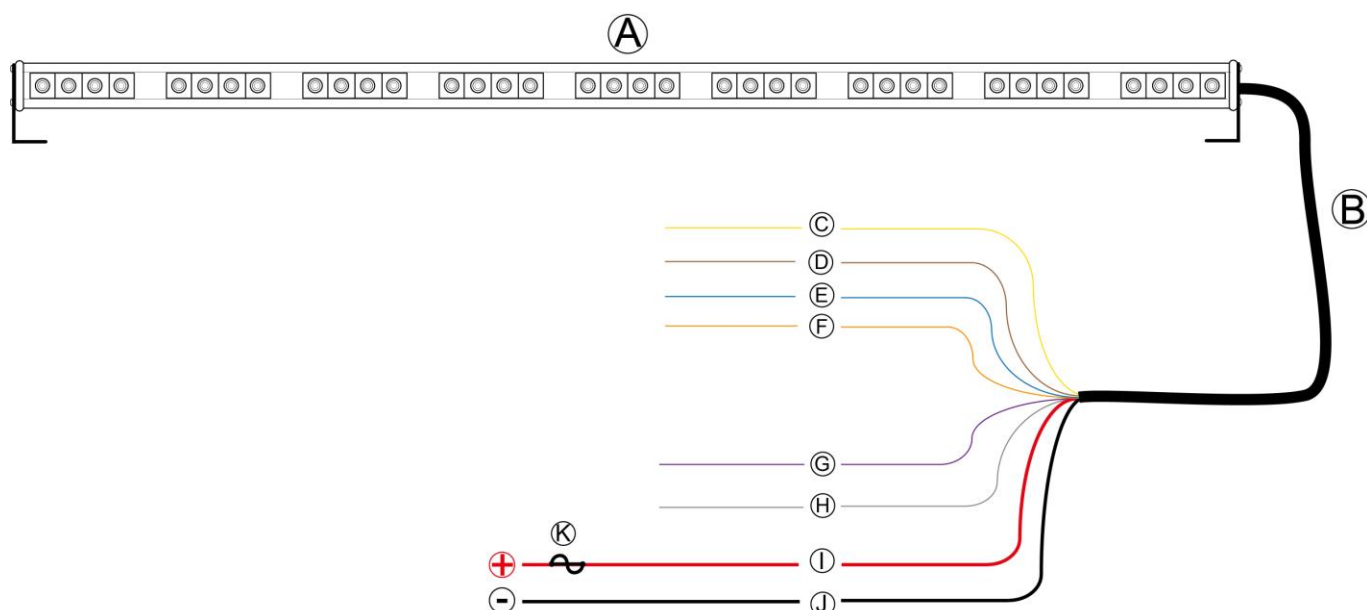
Mountings backward and brackets inward.



12 SCROLLING MODES (ALL VERSIONS)



WIRING DIAGRAM AND PROGRAMMING (ALL VERSIONS)



- A. MTD-103 LED bar
- B. MTD's wire harness
- C. Yellow wire: Scrolling mode control n°1
- D. Brown wire: Scrolling mode control n°2
- E. Green wire: Scrolling mode control n°3
- F. Orange wire: Scrolling mode control n°4
- G. Violet wire: Scrolling mode selection
- H. Blue wire: Night attenuation function control
- I. Red wire: Power supply wire of the MTD bar
- J. Black wire: Ground wire of the MTD bar
- K. Fuse 10A (not supplied)

PROGRAMMING A SCROLLING MODE

Programming a scrolling mode allows you to program the scrolling modes that will be controlled by the control wires of the bar.

- A. Electrically power the bar: RED WIRE (I) on a "+" Battery / BLACK WIRE (J) on a battery ground.
- B. Connect the Scrolling Control Yellow Wire number 1 (C) to a "+ Battery".
- C. With the Violet wire (G), make short pulses to "+ Battery". Each pulse causes the incremental scrolling mode change.
 - ⇒ A pulse between 1 and 2 seconds returns to the previous scrolling mode (decrement).
 - ⇒ A long pulse (longer than 2 seconds) returns to the initial scrolling mode (RIGHT SCROLLING).
- D. When the scrolling mode matches the chosen one, disconnect the scrolling control wire from the "+ Battery". The control is now programmed with the chosen scrolling mode.
- E. Perform the same operation with the other control wires.
 - Brown wire (D): control n°2
 - Green wire (E): control n°3
 - Orange wire (F): control n°4

WARNING



LIMITS OF LIABILITY

The products have been developed in accordance with standards and regulations in force. The information gathered in the technical documentation takes into account the state of the art as well as the knowledge and experience acquired over many years.

MERCURA is not responsible for damages and consequences due to:

- Non-compliance with the information provided by the product documentation
- Non-compliant use of the product
- The mounting and application of products made by unskilled personnel
- Unauthorized changes made by the user or the operator on their own
- Technical modifications not submitted to or approved by MERCURA
- Use of spare parts not approved by MERCURA

RESPONSIBILITIES OF THE INSTALLER

The installer is fully responsible for the mounting of equipment on a vehicle.

The installer must define the means and the material necessary for mounting of equipment in order to deliver the vehicle equipped according to the regulations.

MERCURA is not responsible for failures occurring due to incorrect definition of the type of mounting system, reinforcements, drilling holes in roof panel, state and quality of mounting system, use of vehicle manufacturer anchoring points and the system power supply and protection definition in accordance with the vehicle energy source.

RESPONSIBILITIES OF THE USER AND OF THE OPERATOR

MERCURA products are professional equipment that must be used for this purpose only. Their implementation is subject to legal obligations in terms of safety at work to which the operator must submit. The same applies to safety and accident prevention regulations as well as environmental protection rules. The use of this equipment on the road is subject to compliance with traffic laws and regulations.

Obligations of the operator:

- To keep informed about the regulations in force concerning the safety at work
- To conduct a risk analysis of specific work conditions at the site of intervention
- To adapt user training to regulations, standards and conditions of use
- When using the equipment to regularly check the adequacy of the rules of implementation with the safety rules and standards in force.
- To ensure that operators have read and understood the equipment user manual.
- To ensure that users are regularly trained in the use and informed of the hazards associated with the implementation of the equipment.
- To provide personnel with protective equipment adapted to the intervention and to ensure their use.

It is the responsibility of the operator:

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

CUSTOMER SERVICE

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

- Website: <http://www.mercura.fr/> technical assistance section
- E-mail: support@mercura.fr
- Phone number: +33 (0)2.54.702.702

Our service is available from Monday to Friday from 08.30 a.m. to 12 and from 1.30 p.m. to 5 p.m. (Friday until 4 p.m.). In the spirit of continuous improvement, our staff is at your disposal for any question you might have concerning the installation and the use of our products.