



# MERCURA

Standby Group



## Vehicle light and audio signalling



→ [mercura.eu](https://mercura.eu)

Our **new** website  
is now online !

→ [mercura.eu](http://mercura.eu)



## WHICH ADVANTAGES FOR YOU?

- 1 Easier navigation
- 2 An up-to-date website available at any moment
- 3 Optimal display on all devices:  
*mobiles, tablets and computers*
- 4 Getting in contact easy and fast
- 5 Read and download our online catalogue
- 6 Real-time news about our last products



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## Product Guide symbols

Delivery lead times, information, regulations, etc.  
Discover the advantages and features of our  
products at a glance.



Considering technological progress, we reserve the  
right to modify the technical specifications of our  
products and their prices without notice. *Photos not  
contractually binding.*



Technical  
specifications



Electric  
Accessories



Packaging



Accessories



Autonomy



Product availability



The advantages



Product guarantees



Delivery lead times



Reduced prices



New product



Hire



Digital recording  
SD Micro card



Regulations



R65 approved product



Dual colour



Made in France

03



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# 1

## Corporate presentation



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Who  
we are  
>mercura.eu



Our headquarters ►  
near Blois



**MERCURA®** is the leading French manufacturer of light and audio signalling for emergency and service vehicles. We design, manufacture and sell our entire range of products ourselves, both in France and other countries.

From response vehicle electric management to their light and audio signalling, as well as in the field of cruise control, innovation is at the very core of our company culture.

We are in partnership with the French Ministry of the Interior, the French Gendarmerie, local



◀ Our Nantes based  
R&D centre

Vehicle electronics,  
photometry and acoustic  
research and development.

authorities, regional authorities, motorway operators and for the past 20 years we have been growing our expertise and know-how in one field: safety.

For several years we have been developing products suitable for market needs and compliant with regulations.

Mercura is also an approved training centre in France that accompanies its partner clients in the selection, installation and maintenance of signalling products.

## The Key numbers

**57**  
years old

**60**  
employees

**350**  
subcontractors

**20%**  
of jobs  
in R&D

**55**  
regional  
service points

### Info +



**Arnaud Kerros**  
Training  
manager

**Take our  
trainings**  
(see page 121)



# History

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**Note**  
**Official**  
**supplier**

**1961**

**LISIEUX**

Creation  
of MERCURA  
in Lisieux (14)

**1977**

**BLOIS**

Transfer  
of the business to  
the Loir-et-Cher (41)

**1994**



1st tender  
for the French  
Police force

**2001**



ISO 9002  
certification  
obtained

**2003**



ISO 9001  
certification  
obtained

**2008**



Launch of the  
Gyroled®, the 1st  
approved rotating  
LED light

**2014**

**STANDBY**

Acquisition of the  
company by the  
STANDBY® group

**2015**



Mercura® becomes  
a NISSAN  
distributor  
in France

**2016**



Launch of the  
VEGA® roof bar,  
1st extra-flat  
roof bar with  
built-in siren

**2017**



Launch of the  
Gyroled®  
M130  
Class 2



Official supplier of the  
French **Police** and  
**Gendarmerie**  
for over 20 years.

## Some of our references



## Our references

# The Standby Group

*We design,  
manufacture  
and sell  
light and audio signalling  
for emergency response  
and service vehicles.*

**STANDBY**  
PINTSCH BAMAG

In 2016  
one of the main  
German signal  
suppliers **PINTSCH BAMAG**  
joined the **STANDBY** group.



**Our international  
network**

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**MERCURA**  
Standby Group

**STANDBY**  
When attention matters.

**STANDBY**  
PINTSCH BAMAG

EXPORT



**Export**

**+33 (0)2 54 57 52 85**

**Sales contact**

**+33 (0)6 60 31 83 09**

**[export@mercurea.fr](mailto:export@mercurea.fr)**



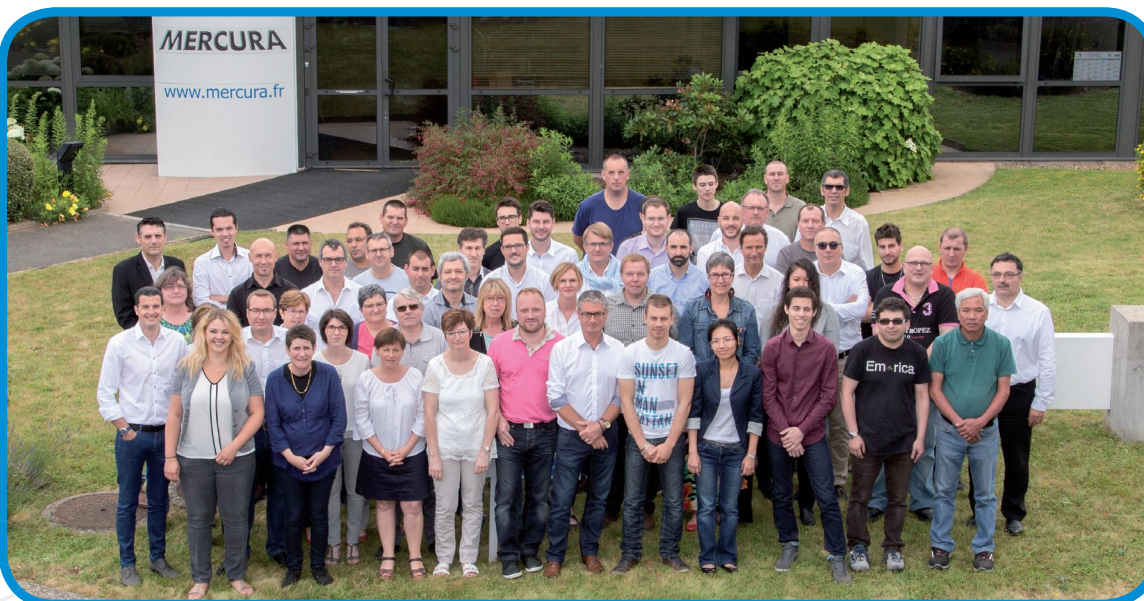


# Our commitments

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## Our commitments in 5 points >

- Adaptable to the market
- Compliance with regulations
- High reactivity thanks to the quick availability of our products
- The best value for money
- Made in France



**Over 80% of Mercura® products are made in France,**  
in our workshops, on prison sites  
or in vocational rehabilitation centres.





OUR COMPANIES EXPORT  
TO PROMOTE FRENCH KNOW-HOW  
THROUGHOUT THE WORLD...

...MERCURA® TOO.

ANALYSIS : MATCH

389 VEHI 55378

690 SIZE 38022

105 CODE 20673

798 RMGE 29587

VISUAL: MODEL 236

GYROLED  
M130

CONTROL : MATCH

389 VEHI 55378

690 SIZE 38022

105 CODE 20673

798 RMGE 29587

VISUAL: MODEL 236

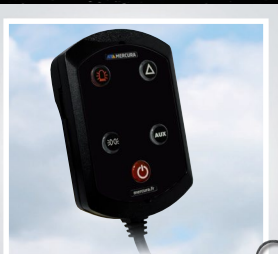
THE ONLY LED ROTATING LIGHTS  
MADE IN FRANCE

**MERCURA**  
Standby Group

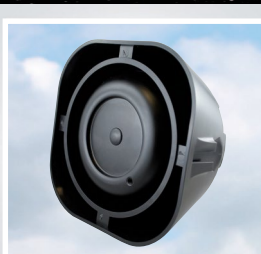


**New  
products**  
>mercura.eu

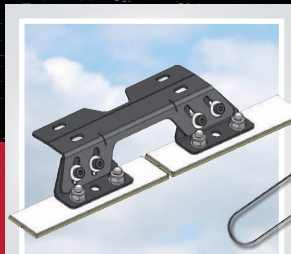
# A whole universe.



CCS 4 LITE  
Page 84



FLAT LOUDSPEAKER  
Page 48



MOUNTING KIT FOR VEGA (to stick)  
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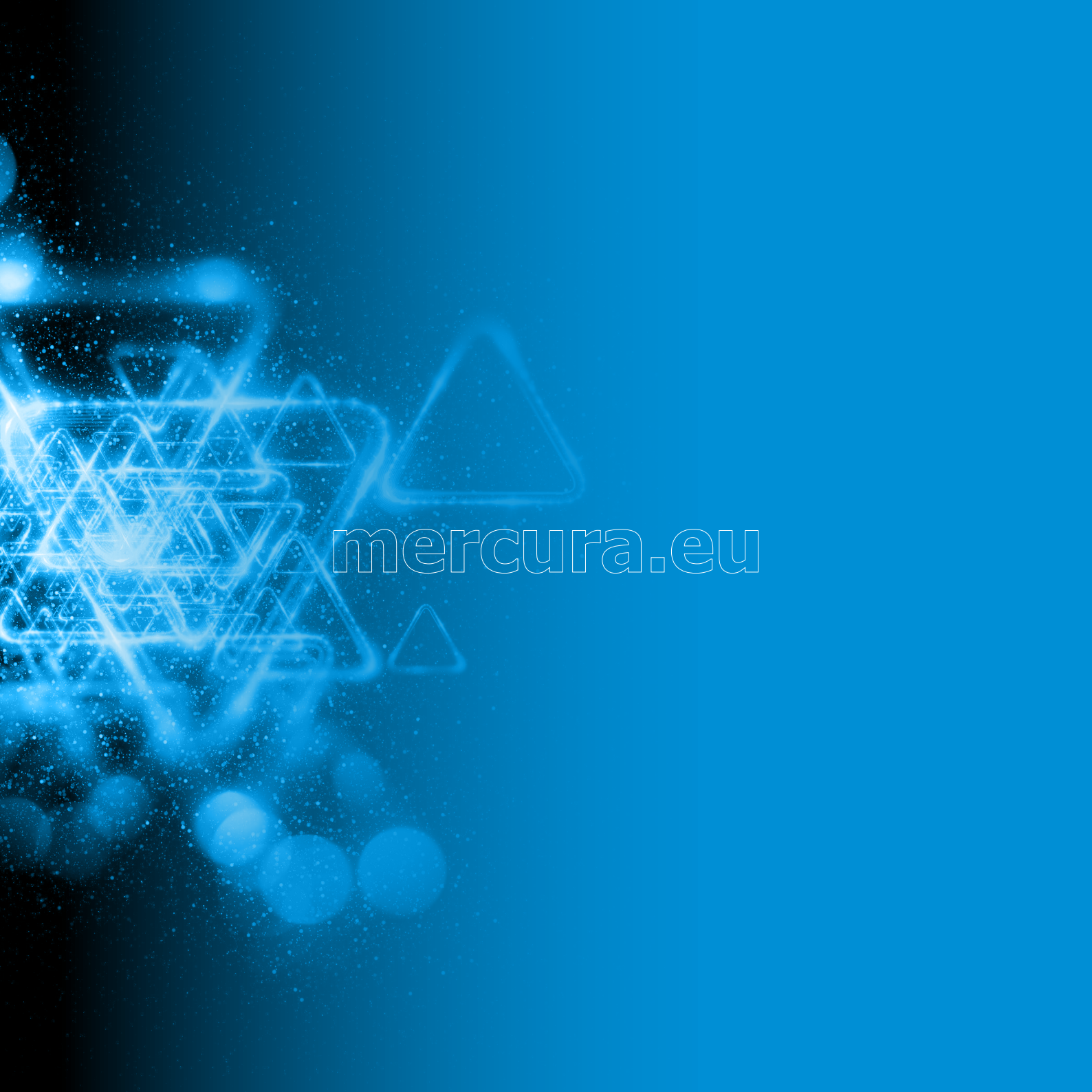
L52 DUAL COLOUR LED LIGHT  
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L52 WINDSCREEN MOUNTING CLP  
Pages 21 and 69



DIPA MOTORCYCLE LIGHTS  
Page 24



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# 2

## Équipement for emergency vehicles



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## THE R65 STANDARD FOR SPECIAL SIGNALLING EQUIPMENT

### R65 Approval criteria

1

Light power



Class 1 Gyroled



Class 2 Gyroled



2

Colorimetry

**Blue**  
colour defined by  
the R65 standard



3

Type of flash

**2 types**  
of approval,  
rotating or flashing,  
depending on  
the use.



4

Angle of visibility

**The angle of visibility**  
is defined  
by the standard,  
and must  
**imperatively**  
be complied with.



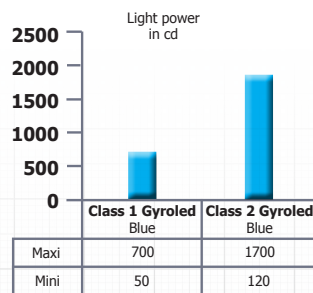
Approval does not depend on the number of LEDs or LED layers.

### The applications?

The R65 class 1 minimum approval is a requirement for the light signalling on emergency vehicles or vehicles with right of way.

### LIGHT POWER

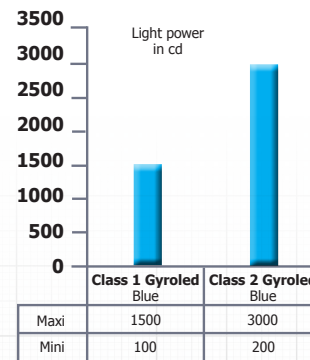
#### T category lights



Light power  
for R65 TB approval

**T category lights:** Flash or rotating lights

#### X category lights



Light power  
for R65 XB approval

**X category lights:** Grille lights

# CLASS 2

## EQUIPMENT FOR EMERGENCY VEHICLES

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### Gyroled®, a MERCURA® innovation!

- **Approved R65** rotating LED light
- Flash and rotating mode
- Polycarbonate cover
- Comfort > noise level = 0 dB
- Can be used with the engine off
- Watertight product, protected from polarity reversals and not vibration-sensitive
- No maintenance! No belt, no motor or expensive lamps to replace



#### Approvals:

##### • Photometry:

R65 Approval (*special warning lights*):

Blue flash: TB2 (E2) 0016105

Blue rotating: TB2 (E2) 0016106

##### • Protection:

Seal-tightness: IP 45

Protection from mechanical impacts: IK06

##### • EMC:

"E" marking, Regulation R10 10R05 16034

CISPR25 (2008): class 5 radiated; class 5 conducted

### COMPARISON

#### GYROLED M130 CLASS 2 AND GYROLED CLASS 1



**Gyroled M130**  
Weight: 1.274 kg

**Class 1 Gyroled**  
Weight: 0.518 kg

## Gyroled M130 Class 2



- R65, EMC approved LED beacon
- R65, Class 2 lighting power
- 13 flash modes available
- Polycarbonate cover
- Lighting on the top of the Gyroled for identification from the air



#### Technical specifications:

- Height: 123 mm - Diameter: 184.5 mm
- ISO weight: 1.274 kg
- Power supply voltage: 12-24 V
- Power: 22 W maximum
- Cruise feature
- Operating temperature: -40 °C to +85 °C
- Protected from polarity reversals
- Consumption:  
- **12 V** : 1,8 A - **24 V** : 0,9 A



APPROVED  
**R65**

| Fixing       | Colour | Mode                   | Reference |
|--------------|--------|------------------------|-----------|
| ISO          | Blue   | Programmable           | 28700     |
| Magnetic CLP | Blue   | Rotating (R65)         | 29773     |
| Magnetic CLP | Blue   | Flash (R65)            | 29774     |
| Magnetic CLP | Blue   | Modifiable by the user | 29619     |

DELIVERY  
24  
HOURS

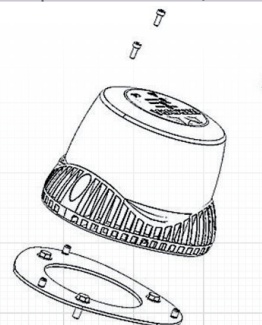
**CLP:** Cigar Lighter Plug

#### ISO ADAPTER

- Top assembly

#### Code

30674



# EQUIPMENT FOR EMERGENCY VEHICLES

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## GYROLED - Class 2

APPROVED  
R65

WARRANTY  
3 YEARS

- Rotating or flash LED lights (*double flash*)
- Polycarbonate cover, available colours: blue, amber
- Power supply voltage: from 10 to 30V DC
- Operating temperature: -40°C to +85°C
- Consumption at 12 V: 1800mA
- Consumption at 24 V: 900mA
- Height: 102 mm - Diameter: 105.6 mm (*single light*)
- Height: 177 - Diameter: 152 mm (*XL ISO*)
- Gyroled: Protection index 45

### BLUE

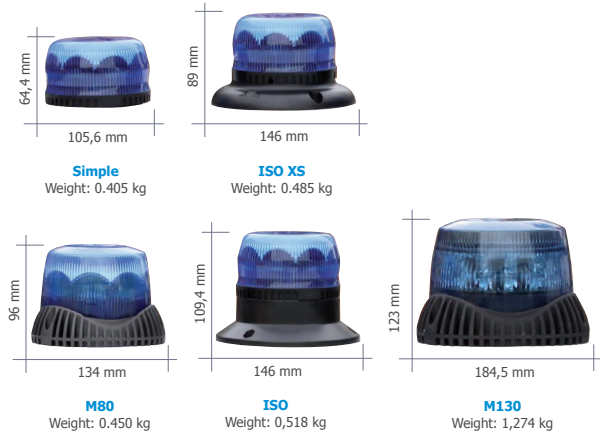
| Mounting           | N° | Rotating | Flash |
|--------------------|----|----------|-------|
| Single             | 1  | 23521    | 23526 |
| ISO                | 2  | 23522    | 23527 |
| Pipe-mount         | 3  | 23523    | 23528 |
| Magnetic CLP       | 4  | 23524    | 23529 |
| Magnetic jack plug | 5  | 23525    | CU    |
| XL ISO             | 6  | 23530    | 23534 |
| XL Pipe-mount      | 7  | 23531    | 23535 |

**CLP:** Cigar Lighter Plug





## COMPARISON OF THE GYROLED RANGE



## LED BEACON RHODON



- The **LED beacon Rhodon** uses state-of-the-art technologies.
- Various variants allow the use as magnetic beacon for vehicles in undercover use, as a fixed mounted beacon or with a tube mount base.
- The use of modern, high-power, high-performance LEDs in conjunction with specially designed prism lenses ensures a high light output in the smallest possible space. This allows a perception even at a great distance.
- Magnetic version approved up to 320km/h (DEKRA and ATP GmbH Papenburg).
- Light available only with flash mode.



## Technical specifications:

- Power supply: 10-30V
- Lens: blue
- LED colour: blue
- Cable length (magnetic version): 3 m (straight)
- Mounting: magnetic, pipe mounted or ISO
- Consumption: 12V : 1,3A / 24V : 0,6A
- Dimensions (diameter x height):
  - Magnetic: 107,7 x 130,8 mm
  - Pipe mounted: 107,7 x 151 mm
  - ISO: 107,7 x 103,5 mm
- Weight: approx. 750g (magnetic version, without cable)
- Protection rating: IP X5

## Approvals:

- R65, classe 2
- EMC R10

| Name  | Code  |
|---|-------|
| Rhodon: blue, flash, ISO base, 35mm                   | 31222 |
| Rhodon: blue, flash, pipe mounted                     | 31223 |
| Rhodon: blue, flash, magnetic with Cigar Lighter Plug | 31224 |

NEW



Power  
and state-of-the-art  
technology !



# EQUIPMENT FOR EMERGENCY VEHICLES

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## CLASS 1

### THE ORIGINAL GYROLED® - Class 1

APPROVED  
R65

WARRANTY  
3 YEARS

DELIVERY  
24 HOURS

- Rotating or flash LED lights (*double flash*)
- Polycarbonate cover, available colours: blue, amber
- Power supply voltage: from 10 to 30V DC
- Operating temperature: -40°C to +85°C
- Consumption at 12 V: 900mA
- Consumption at 24 V: 450mA
- Height: 64.4 mm - Diameter: 105.6 mm (*single light*)
- Height: 109.4 mm - Diameter: 146 mm (*ISO*)
- Gyroled: Protection index 45



### ANTI-GLARE HALF COVER

**ANTI-GLARE  
HALF COVER**  
In black ABS for  
Class 1 Gyroled

**Code**

22779



| Mounting                                    | N° | Rotating | Flash |
|---|----|----------|-------|
| Single                                      | 1  | 21906    | 21908 |
| ISO   | 2  | 21930    | 21932 |
| ISO XS                                      | -  | 27001    | 29167 |
| Pipe-mount                                  | 3  | 21934    | 21936 |
| Magnetic CLP                                | 4  | 21938    | 21940 |
| Gyroled magnetic CLP<br>with remote control | 5  | 30371    | 30372 |
| Magnetic jack plug                          | 6  | 22275    | 22276 |
| Stick with CLP                              | 7  | 24485    | 24486 |
| Battery powered magnetic*<br>(12V charger)  | 8  | 23398    | 23399 |
| Battery powered magnetic*<br>(220V charger) | 8  | 27157    | 27158 |
| XL-ISO                                      | 9  | 23406    | 23408 |
| XL-Pipe-mount                               | 10 | 23407    | 23409 |



### Special airport Gyroled

> see page 64



### Special motorcycle equipment

> see page 24

**CLP:** Cigar lighter plug

\* The warranty does not cover consumables such as the battery  
Light accessories, see page 63.



# EQUIPMENT FOR EMERGENCY VEHICLES

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EMERGENCY VEHICLES

1



SINGLE



2



ISO



3



PIPE-MOUNTED



4



MAGNETIC CLP



5



MAGNETIC CLP  
REMOTELY CONTROLLED



6



MAGNETIC WITH JACK PLUG



7



STICK WITH CLP



8



BATTERY POWERED MAGNETIC



9



XL-ISO



10



XL-PIPE MOUNTED





## L52 LED LIGHTS

## L52 - Class 2

**Technical specifications:**

- Polycarbonate lens
- Black extruded aluminium box
- Colour blue or amber
- Number of LEDs 6 High Power LEDs
- 2 metre cable
- Surface mounting
- Power supply voltage: 10-30V
- Dimensions: 113x28x9mm
- Protection index IP 67

- Consumption 1A at crest at 13.8V  
0.5A average at 13.8V  
0.5A at crest at 27.6V  
0.25A average at 27.6V
- Synchronisation:  
12V: Up to eight LED lights  
24 V: Up to four LED lights
- Contents of the kit  
1 x L52 light, 1 x watertight seal,  
1 x assembly kit.

**Approvals:**

- R65 class 2 photometry
- Horizontal and vertical in blue and amber
- EMC according to the ECE R10 standard

| LED L52 - Class 2 | R65 LIGHT  | Code  |
|-------------------|------------|-------|
| L52 Blue 10-30V   | Horizontal | 27656 |
| L52 Blue 10-30V   | Vertical   | 27658 |

(Sold singly)

## L52 - Grille mounts

|   | Grille mountings        | Code  |
|---|-------------------------|-------|
| 1 | Standard bracket x1     | 29599 |
| 2 | 2x bracket kit*         | 29600 |
| 3 | Self-adhesive mounting* | 29654 |

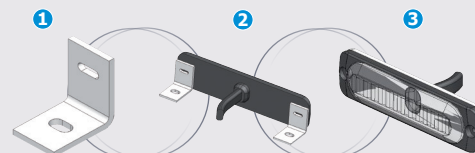
\* Light not included

## L52 - Dual colour

| L52 dual colour LED lights  | Code  |
|-----------------------------|-------|
| L52 dual colour blue/amber  | 31628 |
| L52 dual colour blue/red    | 31629 |
| L52 dual colour blue/white  | 31630 |
| L52 dual colour blue/green  | 31631 |
| L52 dual colour amber/white | 31632 |
| L52 dual colour amber/green | 31633 |
| L52 dual colour amber/red   | 31634 |

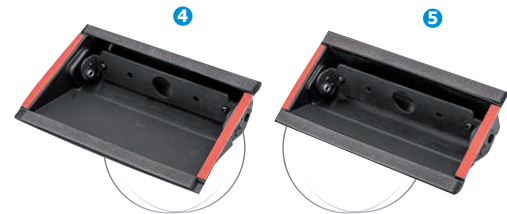


NEW

WITH  
DUAL  
COLOUR

## L52 - Permanent windscreen mountings

|   | Permanent mountings  | Code  |
|---|--|-------|
|   | Blue L52 light kit with windscreen mounting<br>(large model for LV - 155x89x35 mm) | 30825 |
|   | Blue L52 light kit with windscreen mounting<br>(small model for UV - 144x74x30 mm) | 30826 |
|   | Red L52 light kit with windscreen mounting<br>(large model for LV - 155x89x35mm)   | 32662 |
|   | Red L52 light kit with windscreen mounting<br>(small model for UV - 144x74x30mm)   | 32663 |
| 4 | L52 windscreen mounting<br>(large model for LV - 155x89x35 mm)                     | 30827 |
| 5 | L52 windscreen mounting<br>(small model for UV 144x74x30 mm)                       | 30828 |



## L52 - Removable windscreen mountings

|   | Removable mountings   | Colour     | Code  |
|---|---|------------|-------|
|   | 1 light removable (CLP** and VELCRO)                                | Blue       | 31010 |
|   |   | Blue-blue  | 31014 |
|   |   | Blue-red   | 31016 |
|   |   | Blue-white | 31017 |
|   |   | Blue-amber | 31018 |
| 6 | Kit 2 lights L52 removable<br>with CLP and velcro type<br>mountings |            |       |

\*\* CLP: Cigar Lighter Plug



## DOUBLE L52 - Class 2

| DOUBLE LED L52 LIGHT KIT - CL.2 | R65        | Code  |
|---------------------------------|------------|-------|
| L52 Amber/Blue                  | Horizontal | 29185 |
| L52 Blue/Blue                   | Horizontal | 29187 |
| L52 Amber/Blue                  | Vertical   | 29188 |
| L52 Blue/Blue                   | Vertical   | 29189 |
| Double L52 light bracket        | -          | 28103 |

(Sold singly)





# EQUIPMENT FOR EMERGENCY VEHICLES

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## METEORIT



### Technical specifications:

- Power supply: 10-30V
- Protection index: IP67
- Plastic light body
- Supplied with black ABS casing
- Dimensions (L x w x h) in mm: 3 LED METEORIT: 89.4 x 34 x 22
- Flash modes: single R65 flash, double R65 flash, and quad R65 flash
- Can synchronise up to 8 lights

### Approvals:

- Approved R65 Class 1 (Blue)

| METEORIT 3 LED         | Code  |
|------------------------|-------|
| Meteorit: Blue         | 28136 |
| Meteorit light bracket | 28982 |
| Self-adhesive bracket  | 29655 |

(Sold singly)



METEORIT



BRACKET

## QUARTZ



- The smallest LED light with R65 approval – Ø < 30 mm!
- An extremely powerful, compact light
- Excellent lighting performances. Minimum consumption
- New lens technology for LEDs.
- GORE-TEX membrane for evacuating the build-up of possible moisture
- The light is delivered ready-to-install and includes a flashing system built into the wiring

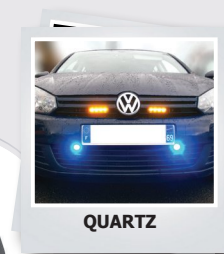
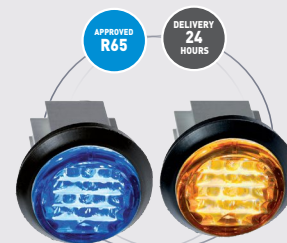


### Technical specifications:

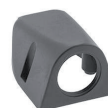
- Lens: Polycarbonate, non UV-sensitive • Lens colour: Blue or Amber
- Number of LEDs: 4 High Power LEDs • Harness: 3m (330 mm between the light and the system)
- Mounting: Embedded • Power supply: 9-32 volts DC
- Operating temperature: -40° + 85° C
- Consumption: 0.4A average at 13.8V (1A at peak) - 0.2 A average at 27.6V (0.5A at peak)
- Dimensions: Light: Ø 29 x 37.4 x 24.15 mm - The unit: 149 x 24 x 17.7 mm.
- Synchronisation: 12V: Up to eight LED lights - 24V: Up to four LED lights

| Name  | Code  |
|---|-------|
| Blue QUARTZ grille light                      | 25572 |
| 90° Stainless-steel mounting for QUARTZ light | 25748 |
| QUARTZ plastic bracket for light              | 27939 |

(Sold singly)



QUARTZ



QUARTZ  
BRACKET

## L54 - Class 2

The newly designed L54 lights are specially adapted for mounting in small spaces. Despite its reduced size and its extra-flat profile for discrete mounting, the L54 light has an output light power that reaches the lighting performances required by the R65 Class 2 standard.

**A selection of 2 kits:** - single kit (1 light + 1 unit)  
- double kit (2 lights + 1 unit)

- **Customised brackets** for grille-mounting on Vito, Sprinter and T6 models.
- **Universal brackets** also available as accessories.



- Top-end LED performances
- Very thin lights for installation on the grill
- Long service life
- Available in several colours
- Mounting for easier installation
- Low energy consumption
- EMC R10 and ECE R65 Class 2 approved

### Technical specifications:

- Colours: blue, amber, red, crystal
- Number of LEDs: 6 high intensity LEDs
- Mounting: surface
- Power supply: 9-32 volts DC
- Temperature: -40°C to +85°C
- Dimensions in mm (L x w x h): 85 x 36 x 15

| Name   | Kit    | Code  |
|--|--------|-------|
| L54 LED light blue 10-30V                        | Single | 29980 |
| L54 LED light blue 10-30V                        | Double | 29981 |
| 1 Universal bracket (per pair)                   | -      | 30016 |
| 2 Bracket for Volkswagen T6 (per pair)           | -      | 30014 |
| 3 Bracket for Mercedes Vito/ Sprinter (per pair) | -      | 30015 |
| 4 Mounting kit for directional L54 light         | -      | 30255 |



## TECKLUMEN TORCH

WARRANTY  
2 YEARS



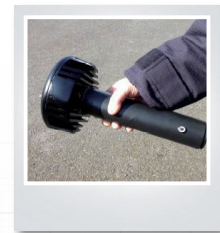
### Ultra powerful portable torch



- Power: 5350 lumens
- Military technology
- Made in France
- Torch designed to see up to 300 m in the dark
- Blinding flash mode against possible aggressors
- Can be transported by plane or helicopter without any risk of explosion
- Even during prolonged use, the battery does not heat up

### Technical specifications:

- Dimensions: 30 x 13 cm
- Weight: 1.6 kg
- Power: 75 W - 5350 lumens (LED)
- Autonomy: 1h30
- Wavelength: 6500 K (cold white)
- Operating temperature: -40°C to +70°C
- Recharging: cigar lighter plug 12V and mains charger 220 V included
- IP 67



| Name                 | Code  |
|----------------------|-------|
| TECKLUMEN Torch      | 30483 |
| Torch transport case | 30484 |

# Motorcycle equipment

## DIPA MOTORCYCLE LIGHTS - Class 2



- Power supply voltage: 10-30 V
- Power: 18 W
- Colour: blue
- Operating mode: double flash
- Angle: wide angle (+30° up to -90°)
- Regulations: cat. XB2, R10 (Type: DIPA MX150-B)
- Dimension without mounting (l x d x h): 150 x 61 x 40
- Dimension with mounting (l x d x h): 150 x 120 x 40
- Weight: 300 g
- Operating temperature: -40°C to +85°C
- IP Protection index IP65
- Synchronisation: yes
- Waterproof connectors included

NEW

| Name                                      | Code  |
|---|-------|
| DIPA motorcycle lights - blue (per pair)  | 31117 |
| DIPA motorcycle lights - blue (per pair)  | 31894 |
| DIPA motorcycle lights - red (per pair)   | 31893 |
| DIPA motorcycle lights - amber (per pair) | 32415 |



DIPA MOTORCYCLE LIGHTS





MP5  
SOLO SIREN

## MOTORCYCLE MAST

- Lightweight, strong
- Polycarbonate mast
- Black matt colour
- Composed of three elements
- Dimensions (in mm):  
Diameter: 42, 36, 30 /  
Height: 660 -1270
- Mounting using a collar  
and M6 fixing screws
- Weight: 1.3 kg



MOTORCYCLE MAST

## MP5 SOLO SIREN

- Loudspeaker with built-in siren
- Compact and powerful solution

Detailed technical specifications, see page 50

## Many available tones

> Please consult us.

| Mounting                | Rotating | Flash |
|-------------------------|----------|-------|
| Motorcycle mast - blue  | 23136    | 23491 |
| Motorcycle mast - amber | 23556    | 23557 |

## Integrated solutions

### The signalling solution of the future! Change your vehicle design.

**Mercura®**, the light signalling specialist, offers to assist you in the development of integrated signalling solutions.

These solutions make it possible for your vehicles to stand out using a specific **design** while complying with all applicable signalling standards and keeping a high level of safety for public highway workers.

**Mercura® can accompany you in the different integration phases for these solutions:**

- 1- Creation of the **specifications** for the suitable signalling, compliant with the regulations applicable in France and in Europe
- 2- Creation of the **design** with your teams
- 3- **Validation** by the bodies accredited to approve integrated signalling
- 4- Supply of **bodywork** elements
- 5- Supply of **signalling elements**: lights, flashing system, control system

*Don't hesitate to get in touch!*





## Examples of completed installations

> Specific **design**> **Reduction** of aerodynamic drag**L51 Range**APPROVED  
R65

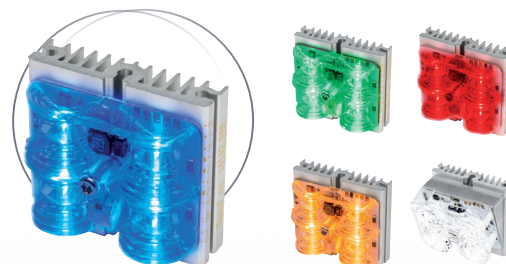
The L51 range is a group of powerful, small lights specially designed to be embedded on emergency vehicles. The L51 light is composed of 4 high intensity LEDs and is available in several colours.



- Top-end LED performances
- Products optimised for built-in signalling solutions
- Long service life
- Available in several colours
- Mounting for easier installation
- Low energy consumption
- EMC R10 and ECE R65 Class 1 and 2 approved
- Non-waterproof light

**Technical specifications:**

- Colours: blue, amber, red, green, crystal
- Number of LEDs: 4 high intensity LEDs
- Mounting: embedded
- Power supply: 9-32 volts DC
- Temperature: -40°C to +85°C
- Consumption: ~1A at 12V
- Dimensions in mm:
  - Height: 46.5
  - Width: 42.6
  - Depth: 22.8 - 36.5



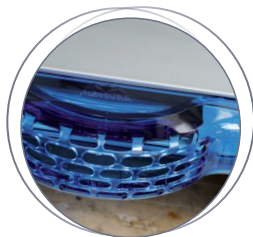
| LED L51 LIGHT                               | Code  |
|---|-------|
| L51 Amber / 10-30V                          | 28697 |
| L51 Red / 10-30V                            | 28698 |
| L51 Green / 10-30V                          | 28699 |
| L51 Blue / 10-30V                           | 29859 |
| L51 Crystal / 10-30V - Side floodlight      | 29134 |
| L51 Crystal / 10-30V - Zone floodlight zone | 29135 |



# LIGHTBARS



Blue LED lights approved in France by UTAC, ECE-R65 standard. Built-in patrol feature. (Blue lightbar lighting to warn of the presence of a patrol)



Siren and loud speakers built into the lightbar. **Mercura®** patented system.



**NEW**  
CLASS 2

WITH  
DUAL  
COLOUR

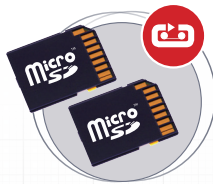
Rear amber warning lights for protection in a static position on the highway. L2H LED lights as per standard N12352. **3 scrolling modes:** right, left, warning.



**VEGA Lightbar**  
with siren & public address



Microphone and vertical control panel, easy to install in the vehicle. Easy-to-use.



Broadcast of messages using the microphone built into the control panel and/or messages recorded on a micro SD card.



Connection possible of the radio to the system to message from the command post outside the vehicle.



New generation roof connector, for maintenance and transfer to another vehicle.



Black steel corrosion treated mounting legs. Lightbar angle adjustment to provide maximum signalling effectiveness.



4 LED alley lights to light the side areas near the vehicle during night patrols.

## VEGA RANGE - Class 2

NEW  
CLASS 2APPROVED  
R65WARRANTY  
3 YEARS

## Extra low profile lightbar with integrated siren and loudspeakers!



- Extra flat lightbar
- Maximum sound power thanks to its position on the top of the vehicle
- No additional installation of the Siren/Loudspeaker pair required inside the vehicle
- Approved tones for use on the public highway
- Easier access to underground car parks

- Solid, aluminium structure and polycarbonate casing,
- Aerodynamic, 67mm high
- Optimum installation with adjustable mountings
- High intensity LED power
- R65 - Class 2 approved
- Very low power consumption



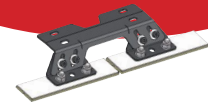
NEW

Name

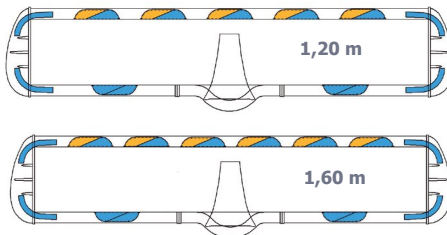
Code

Mounting kit for Vega lightbar (to stick)

29802



## VEGA SPA\* (Siren &amp; Public Address)



+

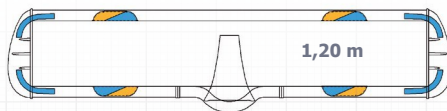


Control panel included

| Length | Traffic director | Alley lights | Code  |
|--------|------------------|--------------|-------|
| 1,20 m | yes              | yes          | 29260 |
| 1,60 m | yes              | yes          | 30285 |

\* Model with roof connector only

## VEGA 315 SPA (Siren &amp; Public Address)



+



Control panel included

| Length | RC  | Sound | Box   | Code  |
|--------|-----|-------|-------|-------|
| 1,20 m | yes | SPA   | Handy | 30254 |

RC: Roof connector



Also available with clear and red lens. Please consult us.

# EQUIPMENT FOR EMERGENCY VEHICLES

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## MINI-VEGA S

APPROVED  
R65

WARRANTY  
3 YEARS

- Mini lightbar with integrated siren and loudspeakers
- Lightweight, quick and easy to install
- 3 types of available mounts
- Length: 53 cm
- Power supply: 12-24 V
- R65 approved

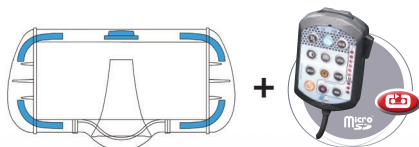


## FLASH PATTERN FOR MINI-VEGA LIGHTBARS : ALTERNATING\*

| Article Number | LED light | Lens  | Tones           | Mounting system | Control                      |
|----------------|-----------|-------|-----------------|-----------------|------------------------------|
| 31740          | Blue      | Blue  | <b>4 Tones*</b> | Bolted          | By wires                     |
| 31741          | Blue      | Blue  | <b>4 Tones*</b> | Adhesive        | By wires                     |
| 29809          | Blue      | Blue  | <b>4 Tones*</b> | Magnetic        | 2- button cigar lighter plug |
| 31754          | Blue      | Clear | <b>4 Tones*</b> | Bolted          | By wires                     |
| 31755          | Blue      | Clear | <b>4 Tones*</b> | Adhesive        | By wires                     |
| 31756          | Blue      | Clear | <b>4 Tones*</b> | Magnetic        | 2- button cigar lighter plug |

\* Also available with simultaneous flash pattern, please consult us. 4 tones to be indicated with the order.

## CONTROL FROM A PUBLIC ADDRESS MICROPHONE CONTROL PANEL\*

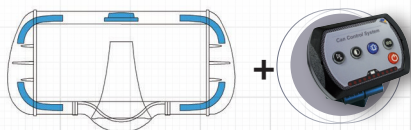


Control panel included

| RC  | Control panel | Adhesive | Bolted |
|-----|---------------|----------|--------|
| yes | Handy Export  | 30260    | 30261  |

RC: Roof connector

Also available with standard control panel.

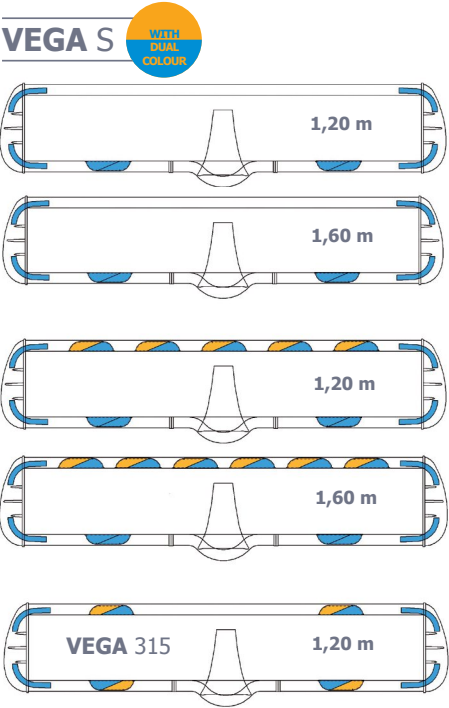


Control panel not included

| 4-KEY CONTROL PANEL    | Code  |
|------------------------|-------|
| For emergency vehicles | 30248 |
| For fire & rescue      | 30249 |

Also available in red. Please consult us.





| Length | Code with RC | Code without RC |
|--------|--------------|-----------------|
| 1,20 m | 29243        | 29242           |
| 1,60 m | 29245        | 29244           |

RC: Roof connector

| Length | TD  | AL  | Code with RC | Code without RC |
|--------|-----|-----|--------------|-----------------|
| 1,20 m | yes | yes | 29251        | 29250           |
| 1,60 m | yes | -   | 29253        | 29252           |

TD: Traffic director

AL: Alley lights

| Length | RC  | Siren | Control panel         | Code  |
|--------|-----|-------|-----------------------|-------|
| 1,20 m | no  | yes   | 8 keys <sup>(1)</sup> | 30252 |
| 1,20 m | yes | yes   | 8 keys <sup>(1)</sup> | 30253 |

(1) 8-Key control panel not included - Compatible with 29479 and 30937 codes

RC: Roof connector

Technical specifications, see pages 28 and 29.

### ADDITIONAL POWER MODULES

For extra features (e.g.: strengthening light, marker lights, etc.) • **Plug & Play** Technology

| Name             | Code  |
|------------------|-------|
| Power module 292 | 30075 |

# EQUIPMENT FOR EMERGENCY VEHICLES

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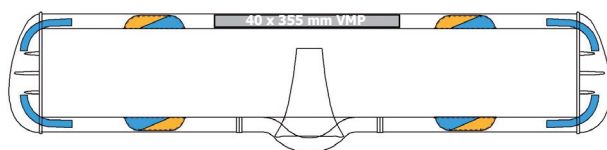
## VMP OPTION FOR VEGA LIGHTBAR

WITH  
DUAL  
COLOUR

The VMP option (*Variable Message Panel*) is used to communicate information or warnings to road users. It is very useful for local authorities that have a PCS (*Local emergency plan*), and is used to display warning messages to the population.

The messages can be updated or adapted using PC software. They can be programmed for a static, flashing or scrolling display.

The "mirror" VMP function on the front area of the lightbar can also be used to display a message that can be read on the central rearview mirror.



**Illustrated model:** VEGA lightbar with integrated siren, blue/amber dual colour lights at the front and rear and VMP option.

| Name  | Code  |
|---|-------|
| 120 cm VEGA lightbar with roof connector    | 30716 |
| Siren option                                | 30788 |
| Public Address option <sup>1</sup>          | 30724 |
| Side alley light option                     | 30787 |
| VMP option ( <i>T-Panel control panel</i> ) | 30723 |
| LMP option2 ( <i>12-key control panel</i> ) | 30721 |
| VMP front "mirror" option                   | 30830 |
| Message programming interface               | 25581 |

<sup>1</sup> Not compatible with the LMP option - <sup>2</sup> Not compatible with the PUBLIC ADDRESS option



**NEW**

APPROVED R65

WARRANTY 3 YEARS

TRAFFIQUE EN FRANCE

### VEGA LIGHTBAR VMP OPTION

Red coloured LED variable message panel:  
Character height: 40 mm  
Automatic switch to Day/Night mode  
Message panel length: 355 mm  
Messages can be displayed in static, flashing or scrolling mode

### LMP OPTION

Panel with 6 pre-defined messages controlled by a 12-key XL control panel

**LMP: Limited Message Panel**

### VMP OPTION

100-message panel controlled by a T-Panel touch control panel. Easy to use, up to 100 recorded messages, 7 available languages.

### PUBLIC ADDRESS OPTION

Broadcast of messages using the microphone built into the control panel and/or messages recorded on a SD card.

"Mirror" VMP function

T-Panel control panel

LMP Control panel  
6 pre-defined messages

Handy  
Public Address

## VIDEO OPTION FOR VEGA LIGHTBAR

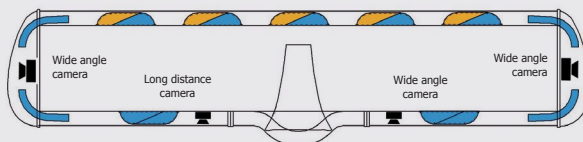

**A VIDEO option is available to complete the VEGA lightbar functions.**

In this version, a lightbar has 4 integrated video cameras, an inside camera and a recorder. This unit can record situations outside and inside the vehicle.

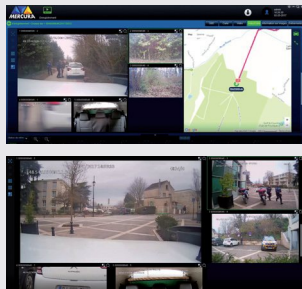
The videos, GPS coordinates and the sound for the inside camera are kept on the recorder. This data is encrypted. It can then be downloaded and decrypted when the vehicle returns to its command post.

Using the 4G connection, the command post can have a real time view of the vehicle images, as well as its GPS position.

This tool can be used to secure your teams and provide proof that an intervention was carried out properly.



**Illustrated model:** VEGA lightbar with integrated siren, rear scrolling (5 blue/amber dual-colour lights) and video option (4 integrated cameras).



| Name  | Code  |
|---|-------|
| 120 cm VEGA lightbar with roof connector      | 30716 |
| Siren option                                  | 30788 |
| Public Address option                         | 30724 |
| VIDEO option 4 cameras with XXL control panel | 30717 |
| Optional 5th inside camera                    | 30719 |
| VIDEO software / month / lightbar             | 30720 |

VIDEO



NEW

APPROVED  
R65WARRANTY  
3 YEARS

Caméra

**4 CAMERA VIDEO OPTION  
WITH XXL CONTROL PANEL**
**4 cameras built into  
the lightbar.**
**2 cameras at the front:**

- 1 wide angle camera
- 1 long distance viewing camera

**2 side cameras:** wide angle vision

- DVR recorder onto an SD 64 Mb card
- 4G data transmission module to the user
- Vehicle location using the GPS Module
- Timestamp embedded in the video
- Lightbar control and image viewing on the control panel XXL touch screen.

**OPTIONAL 5<sup>th</sup> INSIDE  
CAMERA**

Camera with microphone to monitor vehicle passengers following an arrest.

**VIDEO SOFTWARE**

Real time access software to the vehicle images and its location using a secure server. It also makes it possible to save the vehicle recordings using the 4G connection.

*SIM card not included, at the user's expense.*



XXL graphic panel

Inside camera



# EQUIPMENT FOR EMERGENCY VEHICLES

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## VEGA - Class 2\*

**NEW**  
CLASS 2

APPROVED  
R65

WARRANTY  
3 YEARS



### Technical specifications:

- Base and roof: Aluminium
- Polycarbonate blue or amber casing
- R65 mode - Class 2 double flash
- Cruise function
- Rear beacon scrolling: warning, right, left, inside, outside
- Dimensions (L x w x h in cm): 120 or 160 x 26.7 x 6.7 cm  
Maximum height with mounting (in cm): 15.4 cm
- Supplied with a 5 metre harness and adjustable mountings
- Exit on the passenger side (right)
- Power supply 12/24V
- Maximum consumption ~4.3 A at 13.5V
- R65 approvals (E2) Class 2, EMC [R] as per R10
- L2H beacon lights according to the NF 12352 standard
- 3 year guarantee

WITH  
DUAL  
COLOUR



1,20 m



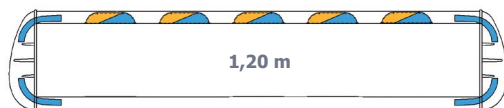
1,60 m



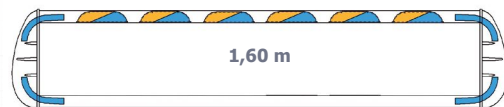
1,20 m



1,60 m



1,20 m



1,60 m

\* Model without built-in siren

| Length | Code with RC | Code without RC |
|--------|--------------|-----------------|
| 1,20 m | 29226        | 28545           |
| 1,60 m | 29227        | 28546           |

| Length | TD  | AL  | Code with RC | Code without RC |
|--------|-----|-----|--------------|-----------------|
| 1,20 m | yes | yes | 29230        | 28549           |
| 1,60 m | yes | -   | 29231        | 28550           |

**TD:** Traffic director

**AL:** Alley lights

| Length | TD  | Code with RC | Code without RC |
|--------|-----|--------------|-----------------|
| 1,20 m | yes | 29232        | 28551           |
| 1,60 m | yes | 29233        | 28552           |

Control panels, see p.45

**TD:** Traffic director

**RC:** Roof connector



Also available with clear and red lens. > Please, consult us.

MINI-VEGA WITHOUT SIREN



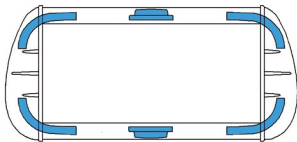
- Mini lightbar without siren and loud speakers
- Lightweight, quick and easy to install
- 3 types of available mounts
- Length: 53 cm
- Power supply: 12-24 V
- R65 approved



FLASH PATTERN FOR MINI-VEGA LIGHTBARS : ALTERNATING\*

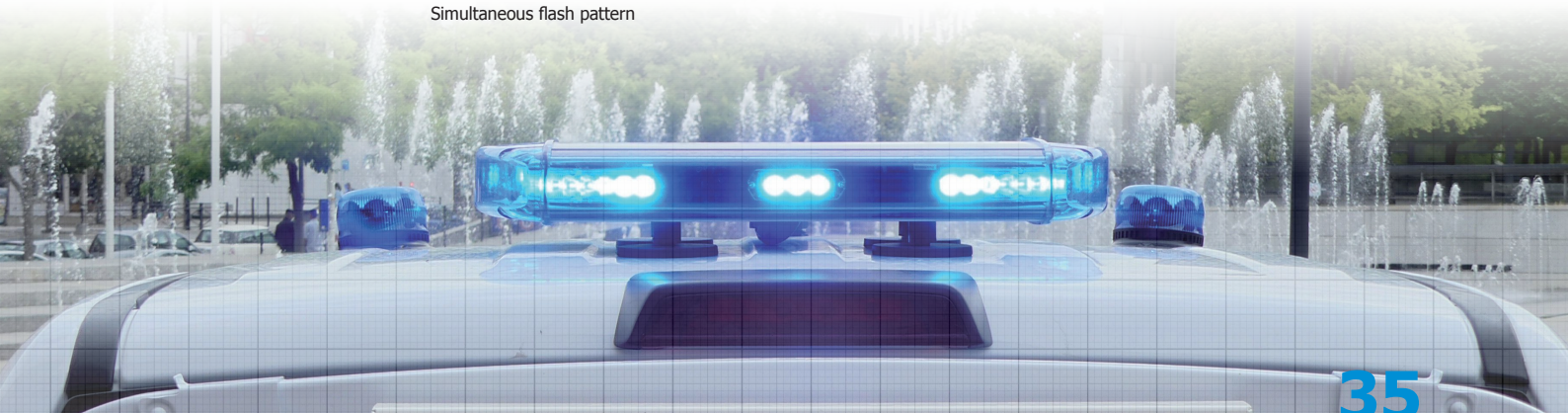
| Article Number | LED light | Lens  | Tones | Mounting system | Control                      |
|----------------|-----------|-------|-------|-----------------|------------------------------|
| 31737          | Blue      | Blue  | -     | Bolted          | By wires                     |
| 31738          | Blue      | Blue  | -     | Adhesive        | By wires                     |
| 31739          | Blue      | Blue  | -     | Magnetic        | 2- button cigar lighter plug |
| 31751          | Blue      | Clear | -     | Bolted          | By wires                     |
| 31752          | Blue      | Clear | -     | Adhesive        | By wires                     |
| 31753          | Blue      | Clear | -     | Magnetic        | 2- button cigar lighter plug |

\* Also available in red > Please consult us.



Simultaneous flash pattern

| Lenght | Magnetic | Adhesive | Bolted |
|--------|----------|----------|--------|
| 0,53 m | 29262    | 29652    | 29909  |





# VEHICLES EQUIPPED WITH VEGA LIGHTBARS





W3 LIGHTBAR



- Aerodynamic extra-flat lightbar, the thinnest on the market!
- Very low wind resistance and lift:
  - > *reduced fuel consumption*
- Lightbar fitted with LED technology:
  - > *reduced power consumption*
- High light power
- Flash LED light - 360° - available in blue or amber
- Built-in "Patrol" lighting function
- Side LED lights
- Comfort of use: low sound level
- UV resistant polycarbonate casing which protects from the most aggressive chemical car cleaning products
- Roof and base in very high quality aluminium, anodised to protect the product from corrosion.

Technical specifications:

- End module 2x12 high intensity LEDs
- Front and rear face module 6 high intensity LEDs
- Available length: 1270 mm
- Height: 47 mm / 65 mm
- Depth: 282 mm
- Available lightbar colours: blue and amber
- For lightbars fitted with amber signalling at the back: possibility of right / left or warning scrolled signalling
- Power supply voltage: 12V
- Consumption when fully equipped: 15A
- Stainless steel mounts

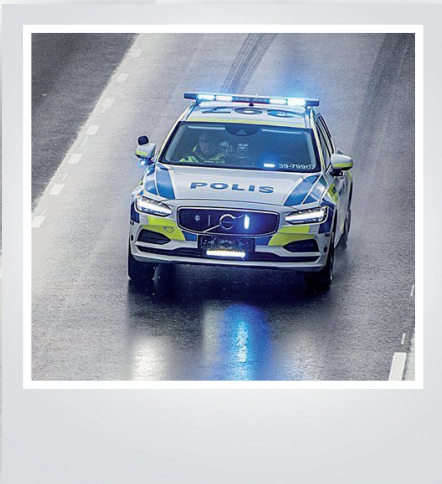
Approvals:

- Lightbar approved as per ECE R65: blue TB1 (E4) 00 6572 and amber TA1 (E4) 00 6571
- Electric approval as per 72/24S/EEC  
Latest amendment 2009/19/EC (July 2010)



| Lenght | Ends          | Front         | Back           | Code  |
|--------|---------------|---------------|----------------|-------|
| 1,27 m | 4 blue lights | 6 blue lights | 6 amber lights | 26086 |

| Name                  | Code  |
|-----------------------|-------|
| SILEX lightbar mounts | 26033 |



# EQUIPMENT FOR EMERGENCY VEHICLES

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## ORION LIGHTBAR

WARRANTY  
3 YEARS



- LED technology
- Five times lower consumption than a conventional lightbar
- Beltless LED beacon: maintenance free
- ECE R65 approved product
- Lightweight and easy to install
- Polycarbonate casing: its high transparency and excellent impact resistance make polycarbonate the best material for the production of automotive lighting components.
- User comfort with a sound level of 0 decibels



### Technical specifications:

- Length 1.20, 1.40 and 1.60 m for utility vehicles
- 2 or 4 blue gyroleds®
- Rotating or flash Gyroled®
- Polycarbonate casing
- Height: 115 mm  
Height with support: 172 mm - Width: 338 mm
- Illuminated text on the rear
- Input voltage 12V/24V
- With 10 metre vehicle cable harness and roof connector
- Delivered with black matt universal permanent mountings

### Option:

- Siren: ASA tone MP5 (*contact us*)
- Loudspeaker built into front of the lightbar
- Lightbar controlled by a conventional assembly with switch, fuse relays (*not included*)



| Lenght<br>(in m) | Colour | Gyroled | Mode     | Code  |
|------------------|--------|---------|----------|-------|
| 1,20             | Blue   | 2       | Rotating | 24960 |
| 1,20             | Blue   | 4       | Rotating | 24962 |
| 1,20             | Blue   | 2       | Flash    | 24964 |
| 1,20             | Blue   | 4       | Flash    | 24966 |
| 1,40             | Blue   | 2       | Rotating | 24968 |
| 1,40             | Blue   | 4       | Rotating | 24970 |
| 1,40             | Blue   | 2       | Flash    | 24972 |
| 1,40             | Blue   | 4       | Flash    | 24974 |

Available in a 1.60 m version, contact us.

> Remember the control panels available in the "Electronics section" page 44

VARIATIONS AND OPTIONS FOR ALL LIGHTBARS



Lengths:

- 1.10m lightbars are specifically intended for light vehicles or vehicles with limited roof space
- 1.50 m: intended for utility vans or heavy goods vehicles
- 1.80 m: lightbars designed for vans equipped with a cell.



**S:** Lightbar with approved siren and 150W loudspeaker built into the lightbar • Siren tone to be indicated

**Loudspeaker:** With 150W loud speaker built into the lightbar, the siren is not included in the lightbar and must be delivered in addition (see the "Sound" section)



**Multi-tone:** Some lightbars can have two siren tones (Ex: Ambulance, mobile ICU)

**SPA:** Lightbar with approved siren and 150W loudspeaker built into the lightbar and control module plus Public Address. The lightbar is supplied with PA system and a "Handy" microphone. To find out about the PA functions, read the "Sound" section

- The module includes a logic input to couple the beacons to the handbrake
- Siren tone to be specified



**Warning:** Warning mode, the complete amber beacon light unit flashes at the same time (Available on lightbars with amber beacon lights)

**Traffic director:** Types of amber beacon scrolling: right, left, warning (all the lights flash at the same time) or random (Available on lightbars with amber beacon lights)



**Roof connector:** Lightbars provided with this option are delivered with a sealed, elbow-shaped roof connector. The vehicle-side cable harness includes a base attached by a locknut. The roof connector allows easy installation and maintenance of the unit. It also allows it to be installed on a second vehicle.



**Screen printed** customisable with UV protection **FREE**

**Voltage:** 12 V for light vehicles and 24 V for heavy goods vehicles. Certain lightbars can support both 12 V and 24 V input voltages.



**VMP:** Red colour LED message panel - Character height: 60 mm.  
Automatic switch to Day/Night mode - Message panel length: 580 mm  
100 16 x 3 character messages - 7 languages - Message display in static, flashing, alternating or scrolling mode.



CCS pack control not included (contact us).

All the lightbars can be controlled via a conventional installation: switches, relays, fuses or by a Mercura CCS control module. A bag of installation accessories is supplied.



# EQUIPMENT FOR EMERGENCY VEHICLES

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## M LIGHTBAR WITH MESSAGE PANEL



- Message display at the back
- Message display towards the front available as an option: "mirror" display legible in the driver's rear-view mirror
- Foreign language display available
- Light power: Gyroled in the lightbar and LED side alley lights
- Approved products
- **Mercura®** technology and quality

### Approvals:

- ECE R65 Class 1
- EMC as per R10
- VMP: N° E2 0511026



**Touch control panel**  
Easy-to-use  
Up to 100 messages  
7 languages available



**LMP Control panel**  
6 pre-defined messages

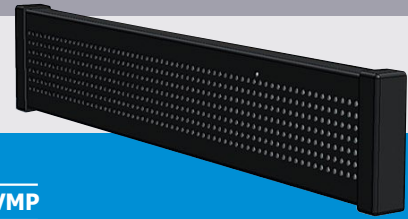


### Technical specifications:

- Dimensions (L x w x h): 110 x 28 x 13.5 cm\*
- Base and roof: aluminium
- Polycarbonate blue or amber casing\*
- Alley lights: Two 4-LED modules\*
- 2 or 4 Gyroled Class 1 or 2\*
- R65 rotating or flash mode\*
- Power supply 12/24 V
- 3 year guarantee
- Supplied with 7 metre harness
- Supplied with black, matt universal, corrosion treated permanent mountings
- Adjustable mounts
- Available options: see table opposite

\* Depending on the model

**NEW**



## Stand-alone LED VMP

### Ideal for installation and assembly in the rear window

- Dimensions (L x w x h): 564 x 25.5 x 107 mm.
- Character height: 65 mm
- Automatic switch to Day/Night mode
- 100 messages of 3 x 16 characters
- 7 languages
- 5000 candelas/m2
- Messages can be displayed in static, flashing, alternating or scrolling mode.

| Name   | Code  |
|--|-------|
| Stand-alone VMP (T-panel control panel included) | 30960 |
| Message programming interface                    | 25581 |

## M LIGHTBAR WITH VMP

### Options:

| Name                               | Code  |
|------------------------------------|-------|
| Lightbar 1,10m 2 blue Gyroled Cl.1 | 32407 |
| Roof connector                     | 29964 |
| VPM (100 messages)                 | 29965 |
| Front message panel                | 29966 |
| 1.50 m long lightbar               | 29967 |
| + 2 Gyroled Class 1                | 29968 |
| 2 x Gyroled Class 2                | 29969 |
| 4 x Gyroled Class 2 <sup>1</sup>   | 29970 |
| 2 x alley lights                   | 29971 |
| Siren <sup>2</sup>                 | 29972 |
| Public Address                     | 29973 |

<sup>1</sup> Incompatible with 1.10 m lightbar

<sup>2</sup> Incompatible with front message panel

Gyroleds can be in R65 rotating mode, R65 flash mode, ICAO rotating mode, ICAO flash mode (please indicate with the order)  
Please specify the siren tone with the order

| Lenght (in m) | Colour | VMP / LMP             | Gyroled | Mode         | Side alley lights | Siren | RC  | Code  |
|---------------|--------|-----------------------|---------|--------------|-------------------|-------|-----|-------|
| 1,10m         | Blue   | VMP<br>(100 messages) | 2       | Rotating R65 | yes               | yes   | yes | 29963 |

RC: Roof connector

## RAMPES PROFIL "M"



M lightbars are characterised by their aerodynamic profile (width 280 mm, height 135 mm). The lightbar's upper and lower parts are made from anodised aluminium, which is rust-proof, and the casing is in unbreakable polycarbonate. (lightbars delivered with a 10 m cable harness and black matt metal fixtures treated against corrosion).

### ML 11

- Lightbar fitted with 2 rotating Gyroleds® at each end
- Casing: blue / white / blue
- Power supply 12/24V
- Approved Class 1
- Approved Class 2

### ML 4

- Lightbar fitted with 4 rotating Gyroleds®, synchronised on each side. 2 at each end and 2 in the interior part of the lightbar
- Casing: blue / white / blue
- Power supply 12/24V
- Approved Class 1



|      | Lenght | LS | Siren | RC | Code CL.1 |
|------|--------|----|-------|----|-----------|
| ML11 | 1,10m  | ✓  | ✓     |    | 21605     |
| ML11 | 1,50m  | ✓  | ✓     |    | 21606     |
| ML11 | 1,10m  | ✓  | ✓     | ✓  | 22111     |
| ML11 | 1,50m  | ✓  | ✓     | ✓  | 30209     |

Also available in M31 flash mode  
Class 2 as an option - Contact us

|         | Lenght | LS | S | PA | RC | Alley lights   | Code CL.1 |
|---------|--------|----|---|----|----|----------------|-----------|
| ML4     | 1,10m  |    |   |    |    |                | 18014     |
| ML4     | 1,10m  |    |   |    | ✓  |                | 27621     |
| ML4     | 1,50m  |    |   |    | ✓  |                | 27240     |
| ML4 HP  | 1,10m  | ✓  |   |    | ✓  |                | 21643     |
| ML4 HP  | 1,50m  | ✓  |   |    | ✓  |                | 21645     |
| ML4 S   | 1,10m  | ✓  | ✓ |    |    |                | 26165     |
| ML4 S   | 1,10m  | ✓  | ✓ |    | ✓  |                | 18505     |
| ML4 S   | 1,10m  | ✓  | ✓ |    | ✓  | Side           | 27418     |
| ML4 S   | 1,50m  | ✓  | ✓ |    |    |                | 18032     |
| ML4 S   | 1,50m  | ✓  | ✓ |    | ✓  |                | 22402     |
| ML4 S   | 1,50m  | ✓  | ✓ |    | ✓  | Side and front | 24158     |
| ML4 SPA | 1,10m  | ✓  | ✓ | ✓  | ✓  |                | 24878     |
| ML4 SPA | 1,50m  | ✓  | ✓ | ✓  | ✓  |                | 24634     |

Also available in ML32 flash mode  
Class 2 as an option > **Contact us**

LS : Loudspeaker  
S : Siren  
PA : Public Address  
RC: Roof connector

# EQUIPMENT FOR EMERGENCY VEHICLES

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## MLx4

- Lightbar fitted with 4 rotating Gyroleds®, synchronised at each end: 2 at the ends, 2 on the inside of the lightbar
- Rear beacons with 6 amber LED lights (6 LEDs per light)
- 2 alley lights
- Casing: blue / white / blue
- Power supply 12/24V
- Approved Class 1
- Approved Class 2

| Lenght | LS | S | PA | RC | Beacons   | Alley lights | Other   | Code CL.1 |
|--------|----|---|----|----|-----------|--------------|---------|-----------|
| 1,50m  | ✓  | ✓ | ✓  | ✓  | Scrolling | Side         | 12 keys | 20079     |
| 1,10m  |    |   |    | ✓  | Warning   |              |         | 26545     |
| 1,10m  | ✓  | ✓ |    | ✓  | Warning   |              |         | 23117     |



## ML15

| Lenght | LS | S | PA | RC | Other       | Code CL.1 |
|--------|----|---|----|----|-------------|-----------|
| 1,10m  |    |   |    |    |             | 22680     |
| 1,50m  |    |   |    |    |             | 22681     |
| 1,10m  |    |   |    | ✓  |             | 22682     |
| 1,50m  |    |   |    | ✓  |             | 22683     |
| 1,50m  | ✓  | ✓ | ✓  |    |             | NC        |
| 1,10m  | ✓  |   |    | ✓  |             | 22690     |
| 1,50m  | ✓  |   |    | ✓  |             | 22691     |
| 1,10m  | ✓  | ✓ |    |    |             | 22684     |
| 1,50m  | ✓  | ✓ |    |    |             | 22685     |
| 1,10m  | ✓  | ✓ |    | ✓  |             | 22686     |
| 1,10m  | ✓  | ✓ |    | ✓  | Multiplexed | 24801     |
| 1,50m  | ✓  | ✓ |    | ✓  | Multiplexed | 25889     |
| 1,50m  | ✓  | ✓ |    | ✓  |             | 22687     |

Class 2 as an option - Contact us

LS : Loudspeaker  
S : Siren  
PA : Public Address  
RC : Roof connector



## ML15

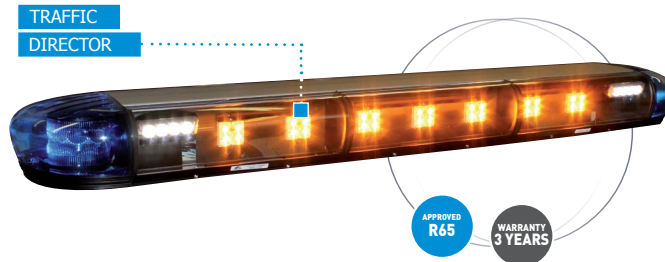
- 2 blue Gyroleds® and 2 amber Gyroleds®
- Casing: blue / amber white / amber / blue
- Power supply 12/24V
- Approved Class 1
- Approved R65 Class 2



**ML 16**

- Rear lightbar intended for guiding traffic and for protecting persons during work on public highways
- Composed of 2 or 4 blue Gyroleds®, 6 amber LED beacon lights (1.10m model) or 7 LED amber beacon lights\* and 2 working lights (1.50m and 1.80m) models
- Power supply 12/24V
- Approved Class 1
- Approved R65 Class 2

\* Depending on the number of gyroleds



| Lenght        | Blue Gyroled | RC | Beacon    | Other       | Code CL.1 |
|---------------|--------------|----|-----------|-------------|-----------|
| <b>1,50 m</b> | 2            | ✓  | Scrolling | Stand-alone | 22128     |
| <b>1,50 m</b> | 2            |    | Warning   |             | 22126     |
| <b>1,50 m</b> | 2            | ✓  | Warning   |             | 22127     |
| <b>1,80 m</b> | 4            |    | Warning   |             | 24140     |
| <b>1,80 m</b> | 4            |    | Scrolling | Stand-alone | 23487     |

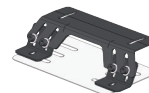
RC: Roof connector

Also available in M316 flash mode  
Class 2 as an option (Lightbar with 2 Gyroleds) • Class 2 as an option (Lightbar with 4 Gyroleds)

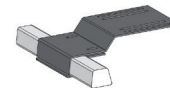
**LIGHTBAR BRACKETS**

**Permanent bracket in corrosion-treated black matt steel**  
(RAL 9017)

| Name   | Code  |
|--|-------|
| Universal bracket with fastenings - matt black   | 15635 |
| Bracket for roof bar   | 23296 |
| Bracket by insert  | 15630 |
| Bracket kit for DACIA Duster roof bar (Year of manufacture before 2014)<br>(compatible with M, RDF, ORION, MAGNUM lightbars)           | 26887 |
| Bracket kit for DACIA Duster roof bar (Year of manufacture as from 2014)<br>(compatible with M, RDF, ORION, MAGNUM and VEGA lightbars) | 27854 |
| Bracket kit for Citroën C4 Cactus and C3 Aircross<br>(compatible with M, RDF, ORION, MAGNUM and VEGA lightbars)                        | 29117 |
| Bracket kit for DACIA Duster (AM as from 2018)<br>(compatible with M, RDF, ORION, MAGNUM and VEGA lightbars)                           | 31768 |



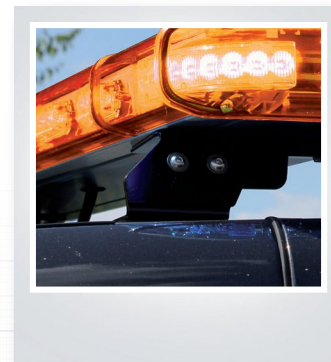
**Universal  
bracket**



**Bracket  
for roof  
bar**



**Bracket kit  
for roof bar  
DACIA Duster**



# ELECTRONIC CONTROLS

## ELECTRONIC CONTROL SYSTEMS

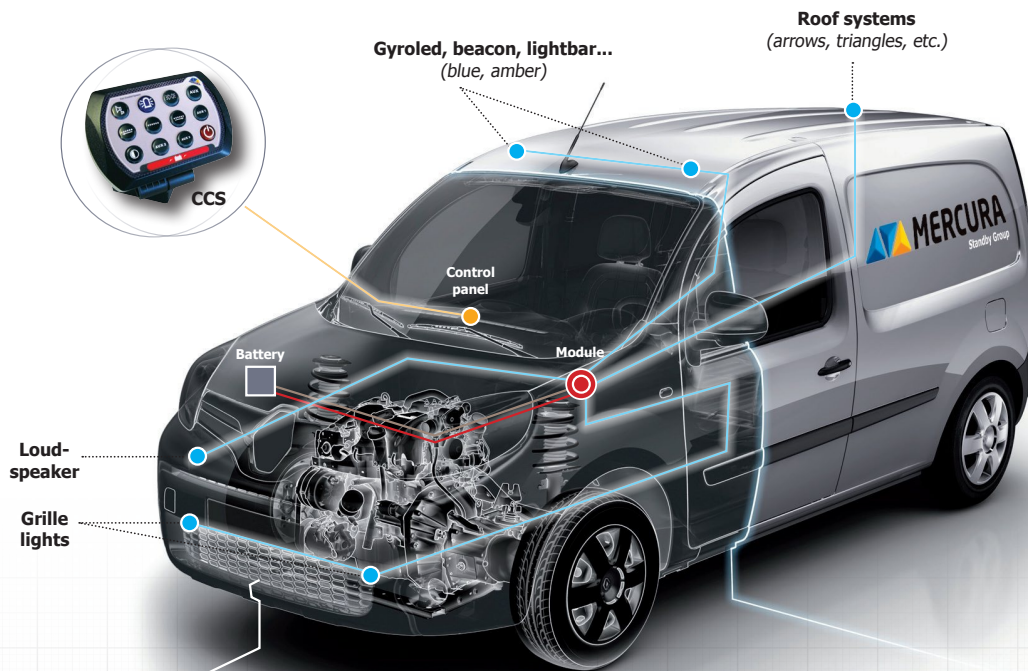
### Intelligent management of the extra equipment on board the vehicle

- Option of setting a single button to control the start-up or or operating mode of several items of equipment
- Coupling the operation of the devices to conditions selected by the user (*hand brake, engine running, day/night...*)

#### Energy management functions such as:

- Coupling extra batteries
- A standby mode
- Low voltage alarms
- Electronic protection of the network and the equipment
- Diagnosis of network and equipment malfunctions
- Automatic, selective and configurable offloading

Compliant with car manufacturer technical specifications, this equipment is installed without modifying the original electrical circuit. Easy to remove, it can be reused on other vehicles.



MAKE THE  
INSTALLATION OF  
SIGNALLING  
UNITS EASIER!

STOP MAKING  
ELECTRIC  
ALTERATIONS  
TO THE VEHICLE!

## CONTROL KITS

WARRANTY  
3 YEARS

### CCS PACK

- Simple and easy
- No fuse to install
- Battery alarm
- No intervention on the original circuit
- No risk of the vehicle manufacturer's warranty being voided
- Reduced wiring

- Reduced installation time
- Very easy control panel installation
- Adapted to the specific vehicle missions
- Automotive connectors



PACK CCS4  
control panel

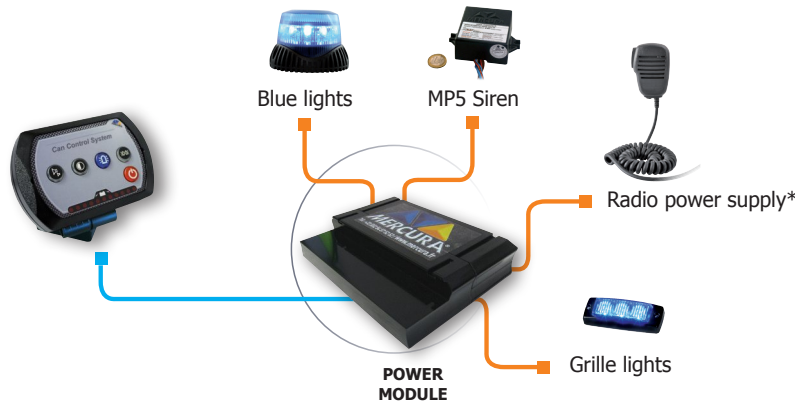


PACK CCS8  
control panel



PACK CCS11  
control panel

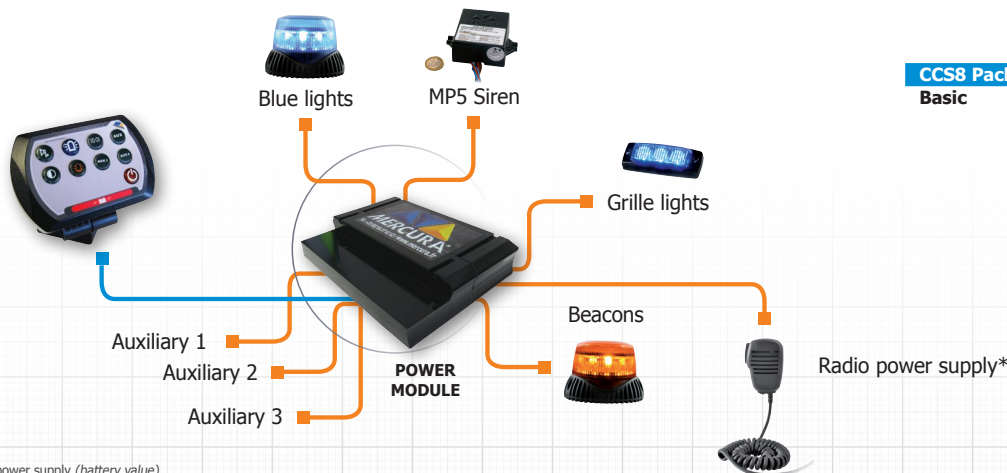
### CCS4



CCS4 Pack  
Basic

Code 12/24V  
26123

### CCS8



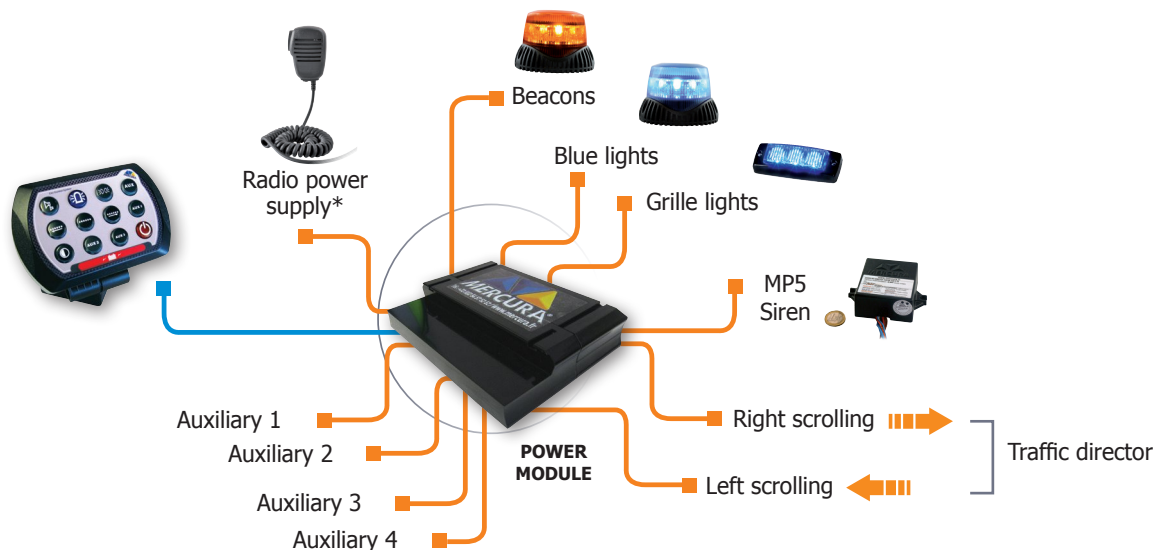
CCS8 Pack  
Basic

Code 12/24V  
26127

\* Permanent power supply (battery value)  
for radio and other consumers.



## CCS11



\* Permanent power supply (battery value) for radio or other consumers.

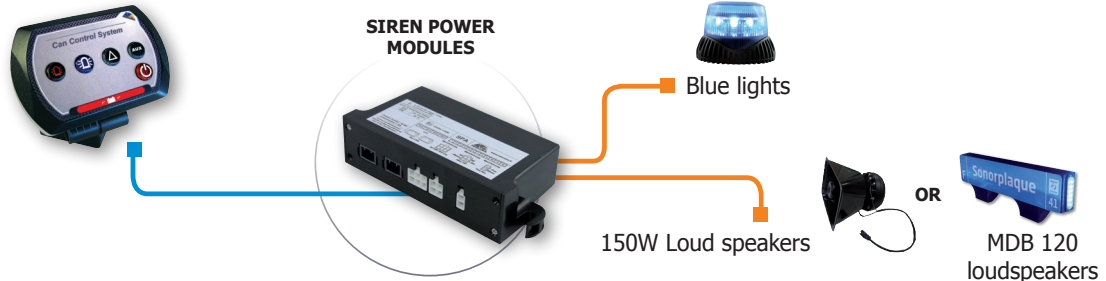
**Pack CCS11**  
**Basic**

**Code 12/24V**  
25968

For any specific software configuration

> Please, consult us

## CCS4 LS



## OTHER KITS

## Kit contents:

- The power module
- The control panel, with the ball and socket joint and set of keys for customisation
- 4.5 m control Bus
- Power supply connector kit: connectors, fuse and fuse holder
- Input and output connectors
- Installation and user manual

| Name    | Tone                    | LS    | Code  |
|---------|-------------------------|-------|-------|
| CCS4 LS | Wail, Yelp, Hi-lo, Horn | 150 W | 32733 |
| CCS4 LS | Wail, Yelp, Hi-lo, Horn | 30 W  | 32734 |

## Many tones available

&gt; Please, consult us

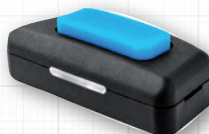
| Name                          | Tone            | LS (not included) | Code  |
|-------------------------------|-----------------|-------------------|-------|
| CCS LS Control using switches | To be indicated | 150 W             | 29830 |
| CCS LS Control using switches | To be indicated | 30 W              | 29829 |

| Name                        | Length | Code  |
|-----------------------------|--------|-------|
| Complete connection harness | 6 m    | 30971 |

## EMERGENCY BUTTON H1

Single button used to trigger the system's key functions when on standby (*blue lights + siren or blue lights only*) by pressing only once without looking away from the road.

CU: Consult us



| Name  | Code  |
|---|-------|
| Button H1 + standard connections              | 30665 |
| Button H1 + special lightbar VEGA connections | 32188 |

# AUDIO SIGNALLING DEVICES



## LOUDSPEAKERS

| They are delivered with the SICMA sealed automotive cable harness kit |  | Code  |
|---|--|-------|
| LS 150 W with casing for speaker mounting - 2.5 kg                    |  |       |
| White colour  |  | 15802 |
| Red colour  |  | 18808 |
| LS 150 W - ceramic magnet - rectangular structure - 2.6 kg            |  | 15809 |
| LS 150 W - ceramic magnet - round speaker - 2.5 kg                    |  | 17481 |
| FLAT LOUDSPEAKER 150 W - 2,4 kg                                       |  | 32082 |
| LS 30 W   |  | 26341 |
| Kit 2 x slave LS - 30W as standard                                    |  | 31949 |
| Mounting bracket for LS 150W  |  | 20706 |



**LS 150**  
Round speaker



**LS 150**  
white or red speakers



**LS 150**  
Rectangular speaker



**FLAT LOUDSPEAKER**



**LS150**



**LS 30**



**2 x LS 30**





**MP5 FLASH SIREN**WARRANTY  
3 YEARSDELIVERY  
24  
HOURS

One of the smallest sirens on the market.  
Easier installation on the vehicle.

**MP5 MULTIFLASH VERSION - Multitone**

- Amplifier and siren tone generator
- Day/Night control
- Power greater than 120dB
- Power supply 8 to 30 V (*protection from polarity inversions*)
- Fully encased module for protection against humidity
- Automotive standard connection technology (*self-extinguishing*)
- No consumption when not operating
- EMC: n° e2\*03\*12111 / E2\*10R04\*12111 compliant
- RoHS compliance
- Protection index: IP66 and IK08
- Operating temperature from -40° to +85°C
- Very compact dimensions: (h x w x l in mm): 30 x 71 x 89.6
- Weight: 200 g
- Models compatible with 150W loud speakers

**Option:**

- Bag of seal-tight connectors - 26921  
(including clips, clip holders and tabs)

**Available tones****WAIL, YELP, HI-LO****Code**

26914

Many tones available

> Please, consult us.

**MS350**

- Based on the latest digital switchgear technology : the sound pressure level in 3,5m with 2x K-SR 350 is 121dB (A) and with 1 x K-SR 350 115 dB (A).
- Three independently configurable audio inputs (e.g. *microphone, radio and line*) leave nothing to be desired with voice announcements
- **10 control inputs** and **2 power outputs**. Additional four input / output ports can be configured depending on the application. Thus, for universal use the controller
- Many tones available, **please consult us**.

**Technical specifications:**

- Power supply: 12V / 24V
- Current consumption: in standby mode <500 µA, maximum 5 A (*without beacon*)
- Temperature in operation: -25°C to +70°C
- Output power: 12V: 2x50W (120W max) • 24V: 2x80W (200W max)
- Protection class: IP54

**Approvals:**

- Acoustic W25050 • EMC E1 047152
- Dimensions in mm (HxWxL): 44,6x131x136,6 • Weight: approx. 400g

**K-SR350****K-SR350****MS350****Technical specifications:**

- Impedance: 4 Ohms (12V) / 16 Ohms (24V)
- Power rating: 60W (80W peak)
- Temperature in operation: -25°C to +60°C
- Dimensions in mm: diameter 109,25x68
- Weight: approx. 850g
- Protection class: IP54
- Color: black

| Name   | Code  |
|--|-------|
| Kit MS-350 (12V), with 1xLSK-SR350 - 4 Ohms and connections  | 31601 |
| Kit MS-350 (24V), with 1xLSK-SR350 - 16 Ohms and connections | 31602 |
| Kit MS-350 (12V), with 2xLSK-SR350 - 4 Ohms and connections  | 31603 |
| Kit MS-350 (12V), with 2xLSK-SR350 - 16 Ohms and connections | 31604 |

## LOUDSPEAKER - SIREN COMBOS MP5 MULTITONE

WARRANTY  
3 YEARS

Efficient, powerful, compact, easy to install in any engine compartment, even the most cluttered.



## SOLO AND DUO TECHNICAL SPECIFICATIONS

- Loudspeaker with NEODYMIUM magnet
- Multitone
- 4 Tones including reverse BEEP built-into the model
- Input voltage 12 V or 24 V  
(Protection against polarity reversals)
- Day/Night control
- Fully encased module for protection against humidity

- Automotive cable harness standards (self-extinguishing)
- EMC: n° e2\*03\*12111 / E2\*10R04\*12111 compliant
- No consumption when not operating
- Protection index: IP66 and IK08
- Operating temperature from -20° to +85°C
- Material: Black ABS



MP5 SOLO

## SOLO :

- 30 W LS (4 Ohms) with built-in siren
- Power greater than 111 dB
- Dimensions: (L x H x D) in mm: 111 x 93 x 101
- Consumption: 1.9 A at 13.5 V
- Weight: 700 g



MP5 DUO

## DUO :

- 2 30 W LS (4 Ohms) with built-in siren
- Power greater than 117 dB
- Dimensions: (L x H x D) in mm: 222 x 93 x 101
- Consumption 3.7 A at 13.5 V
- Weight: 1.3 kg

| Available tones   | Solo 12V | Solo 24V | Duo 12V | Duo 24V |
|-------------------|----------|----------|---------|---------|
| WAIL, YELP, HI-LO | 26677    | 29113    | 26907   | 29106   |

Many tones available

> Please, consult us.

**MDB120****NEW**

## Siren and speaker unit built into the number plate



- Siren and loud speaker unit built into the back of the front number plate
- Optimum siren sound
- Quick and easy to install
- Flexible black matt thermoplastic control panel
- Loudspeaker and siren: 115 dB (A) approx.
- Dimensions (L x w x h): 520 x 170.5 x 56.4 mm
- Unit weight: 2.224 kg
- Protection index: IP 54
- Power supply: 12 V / 24 V

### Option:

- Side or front LED strengthening lights

| Name                            | Code  |
|---------------------------------|-------|
| Multitone MDB                   | 30173 |
| Multitone MDB & L52 blue side   | 30174 |
| Multitone MDB & L52 amber side  | 30175 |
| MDB multitone & L52 blue front  | 30176 |
| Multitone MDB & L52 amber front | 30177 |
| Kit for blue front L52 MDB      | 30178 |
| Kit for amber front MDB L52     | 30179 |

## Many tones available

> **Please, consult us.**

**Also available** without built-in siren, with loudspeakers only.

| Name   | Code                 |
|--|----------------------|
| MDB 120 without siren  | 31951                |
| <b>To connect with:</b> <ul style="list-style-type: none"> <li>• CCS4 LS - See page 47</li> <li>• SPA NANO 112 - See page 52</li> <li>• SPA NANO 112+ - See page 53</li> </ul> | <b>150 W version</b> |
| MDB 120 with blue side L52   |                      |
|  | 32103                |





# EQUIPMENT FOR EMERGENCY VEHICLES

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## NANO 112 SIREN PUBLIC ADDRESS

WARRANTY  
3 YEARS



### Functions:

- Public Address: Message broadcaster-Amplifier
- 3 messages recorded on an SD card
- Siren: Tone Generator-amplifier
- Special light controls
- Control panel with back lit keys
- Engraved keys that do not wear over time
- Easy to install



### Technical specifications:

- Power 3.5A (3 Gyroleds®)
- Compatible with 4 Ohm or 8 Ohm loudspeakers
- Loud speaker output protected from short circuits
- Power output protected from short circuits

### Protection:

- From polarity reversals and thermal protection
- Detection of open load on the loudspeaker output to guarantee that the siren is present and operating
- Automotive connectors: Coiled 2.12 m cord
- IP42
- Power supply 10-30V
- Operating temperature from -40° to 85°C

### Approvals:

- EMC R10

| Name             | Code  |
|------------------|-------|
| Bracket for NANO | 29474 |



Bracket for NANO

| Tone            | LS    | Code |
|-----------------|-------|------|
| To be indicated | 150 W | CU   |
| To be indicated | 30 W  | CU   |

CU: Consult us  
LS: Loudspeaker

Many tones available

> Please, consult us.

- **Rebroadcasting or Radio retransmission:** the signal from the transmission RADIO is amplified and re-transmitted over the loudspeaker outside the vehicle during an intervention. The user activates this function using a key on the control panel.\*
- **"Park kill"** when the user puts on the handbrake, the siren cuts off automatically.\*
- **Automatic start-up** when the vehicle engine is started.\*
- **Automatic stand-by** when the vehicle is stopped to avoid running down the battery.\*
- The siren and signalling are triggered using the vehicle's horn and/or a pedal (**Team leader pedal**).\*

\* Available but non compulsory functions, they are activated if the installer has made the necessary connections.  
See the user and installation manual





## NANO 112 + SIREN PUBLIC ADDRESS

WARRANTY  
3 YEARS**SPA Nano 112+ technical specifications:**

- 2 CAN communications ports of which one to connect the control panel/microphone
- 1 analogue LF input (*Low Frequency*)
- 4 logical inputs: > Handbrake, horn, team leader pedal, + accessories or engine running (*for the following functions: Start-up Automatic standby*).

**Outputs :**

- 1 output 3.5A (*Grille lights*)
- 1 3.5A output (*Grille lights*)
- 2 15A outputs (*blue, amber LED beacon*)
- 6 outputs (*amber scrolling*)
- 2 3A outputs for alley lights
- 1 6A output for a permanent power supply (*Radio*)
- Compatible with 4 Ohm or 8 Ohm loudspeakers
- Power module dimensions:  
(L x H x D in mm): 140 x 33 x 64
- Unit weight 110 g

\* For the protection and approvals see page 52 SPA NANO 112

**• Rebroadcasting or Radio retransmission:**

the signal from the transmission RADIO is amplified and re-transmitted over the loudspeaker outside the vehicle during an intervention. The user activates this function using a key on the control panel.\*

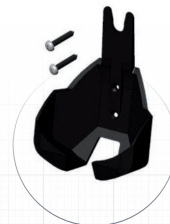
- **"Park kill"** when the user puts on the handbrake, the siren cuts off automatically.\*

- **Automatic start-up** when the vehicle engine is started.\*

- **Automatic stand-by** when the vehicle is stopped to avoid running down the battery.\*

- The siren and signalling are triggered using the vehicle's horn and/or a pedal (**Team leader pedal**).\*

\* Available but non compulsory functions, they are activated if the installer has made the necessary connections. See the user and installation manual.



| Name             | Code  |
|------------------|-------|
| Bracket for NANO | 29474 |

| Tone            | LS    | Code |
|-----------------|-------|------|
| To be indicated | 150 W | CU   |
| To be indicated | 30 W  | CU   |

CU: Consult us  
LS: Loudspeaker

Many tones available

&gt; Please, consult us.

# EQUIPMENT FOR EMERGENCY VEHICLES

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## PSU: PORTABLE SIGNALLING UNIT

WARRANTY  
3 YEARS



- Ideal for unmarked vehicles
- Temporary additions to your fleet
- No modification of the vehicle
- Black matt ABS housing
- 115 db Loudspeaker and siren
- Cigar lighter plug with coiled cord
- 2 keys: Single light or light + siren
- Gyroled® R65 approved
- Reinforced magnetic base
- Power supply: 12V or 10-30V
- Dimensions in mm (h x w x L): 179x130x170

APPROVED  
R65



PSU  
Class 1 Gyroled

## PAU - Portable Alert Unit

APPROVED  
R65

### Alert the population!



The PAU, Portable Alert Unit, is a product that was developed for local authorities that have an LEP (Local Emergency Plan) It is a simple mobile system used to warn the population of a danger. The PAU includes a blue or amber rotating or flash light, a high power siren and a message recording and broadcasting system using a NANO SPA. It is lightweight, simple and easy to install on all types of vehicle: **no installation costs.**



### Message broadcaster:

- Possibility of recording up to 3 messages on the SD card
- Public Address message broadcast system.

This is the same technology as is used in the Mercurea® lightbars

### Tones:

- Tone 1: NAS (not modifiable)
- Tone 2: End of NAS (not modifiable)
- Tone 3: BEEP (modifiable, to be indicated with the order)
- Tone 4: if necessary (to be indicated with the order)

> More information on [mercurea.eu](http://mercurea.eu)

## CLASS 1

| PSU           | Gyroled | Mode     | 12 V   | 10-30 V |
|---------------|---------|----------|--------|---------|
| International | Blue    | Rotating | 23500* | 29114*  |
| International | Blue    | Flash    | 23501* |         |

\* Also available in amber and red, please contact us.

## Many tones available

> Please, consult us.

| Name        | Code  |
|-------------|-------|
| Bag for PSU | 30034 |

Class 2 as an option - Please, contact us.



WARRANTY  
3 YEARS



| Name      | Mode     | Code  |
|-----------|----------|-------|
| Blue PAU  | Flash    | 28874 |
| Blue PAU  | Rotating | 28648 |
| Amber PAU | Flash    | 27780 |
| Amber PAU | Rotating | 31217 |



## FOLDING GROUND TRIANGLES

WARRANTY  
3 YEARS

## MINI TRIANGLE

- Reflective tape AK14 (*danger*), class T2 or AK31 (*accident ahead*), class T2
- Visibility: greater than 250 m
- Fire protection index: IP65
- Day/night adjustment of light intensity by a twilight sensor
- Amber 74 mm LED lights: 964 candelas photometry / light
- EN 12352 classification: L2H class



## Input voltage:

- Autonomy: more than 25 hours in constant use
- Average consumption: in daytime mode:  $\leq 400\text{mA}$ . / in night-time mode:  $\leq 50\text{mA}$ .
- Power supply from built-in Ni/MH 12V 9Ah rechargeable battery (Number of recharge cycles:  $\geq 500$ , charge time: 6 hours)
- Weight/model: 500: 6,3 kg  
700: 7,5 kg / 1000: 13,8 kg
- Side handle for carrying
- Overall protection rating: IP60
- Operating temperature:  $-20^{\circ}\text{C}$  to  $65^{\circ}\text{C}$



| Name   | Code  |
|--|-------|
| Triangle, size 500, class T1, type AK14                      | 25360 |
| Triangle, size 500, class T2, type AK14                      | 25326 |
| Triangle, size 500, class T2, type AK31                      | 25406 |
| Triangle, size 500, class T2, type AK5                       | 27233 |
| Triangle, size 700, class T2, type AK14                      | 25327 |
| 230 V mains charger Mini stand-alone triangle                | 23709 |
| Battery charger DC/DC 12V with cigar lighter plug (included) | 23710 |
| Battery operated magnetic mini triangle kit                  | 25328 |

AK14: danger

AK31: accident ahead

AK5: roadwork ahead

PRODUCT

- LED light power of 500 **candelas per light**
- Easy to install and transport
- Light and stable
- **High autonomy:** more than 25h continuous use.

The background is a vibrant golden-yellow gradient. On the left side, there is a complex, glowing geometric pattern composed of numerous overlapping triangles and lines, creating a sense of depth and light. Scattered throughout the image are soft, out-of-focus circular bokeh lights and fine, golden particles, giving it a magical or ethereal feel. The overall composition is balanced, with the intricate geometric design on the left and the clean, minimalist text on the right.

[mercura.eu](https://mercura.eu)

# 3

## Equipment for service vehicles



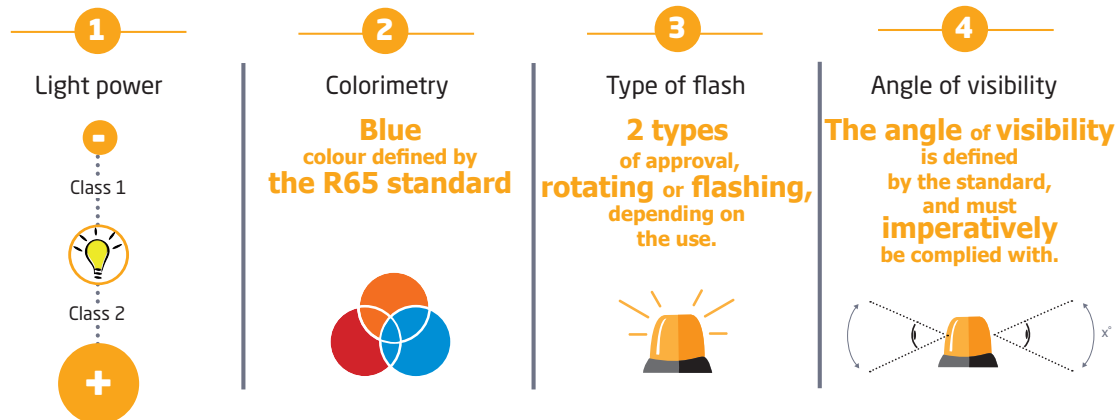
|                                   |    |   |     |
|-----------------------------------|----|---|-----|
| Gyroled M130 Class 2.....         | 59 | W3 lightbar.....  | 77  |
| Gyroled Class 2.....              | 60 | ORION lightbar.....   | 78  |
| Gyroled Kombi.....                | 61 | RDF74 lightbar.....   | 79  |
| Winter work lighting.....         | 61 | ML61 71 / ML62 72 lightbar.....                                 | 80  |
| Gyroled Class 1.....              | 62 | M lightbar with message panel.....                              | 81  |
| Gyroled ICAO Airport special..... | 64 | Stand-alone VMP.....  | 81  |
| ML Airport lightbar.....          | 65 | MSC 124 Stabiliser.....   | 82  |
| VEGA lightbar with VMP.....       | 66 | R124 Battery desulphator.....                                   | 82  |
| W1 Aero lightbar.....             | 66 | Electronic control systems.....                                 | 83  |
| Projoled.....                     | 67 | Control kits.....   | 84  |
| L98 lightbar.....                 | 67 | Stand-alone topometer.....                                      | 86  |
| L52 LED lights.....               | 68 | Stand-alone anti-theft.....                                     | 86  |
| L52 dual colour LED lights.....   | 68 | Power modules.....  | 88  |
| L52 mountings.....                | 69 | Control panels.....   | 89  |
| Meteorit, Quartz, L51 lights..... | 70 | Cable harnesses, connectors, accessories<br>and interfaces..... | 90  |
| L54 LED lights.....               | 71 | LED Triangles.....  | 92  |
| Traffic director range.....       | 72 | Universal signalling bars.....                                  | 93  |
| 300 mm lights.....                | 73 | Quick mount bars.....   | 95  |
| 200 mm lights.....                | 73 | Special convoy signalling bars.....                             | 101 |
| VEGA lightbar range.....          | 74 | Fastener kits.....  | 102 |
| MINI VEGA lightbar.....           | 75 |   |     |





## THE R65 STANDARD FOR SPECIAL SIGNALLING EQUIPMENT

### R65 Approval criteria



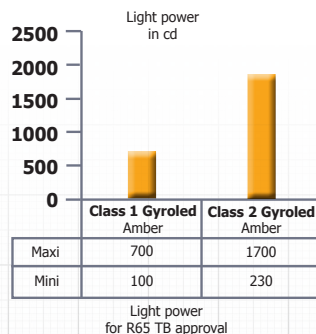
Approval does not depend on the number of LEDs or LED layers.

### The applications?

The R65 class 1 minimum approval is a requirement for the light signalling on service vehicles.

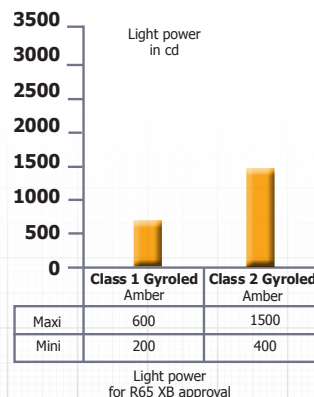
## LIGHT POWER

### T category lights



**T category lights:** Flash or rotating lights

### X category lights



**X category lights:** Grille lights

# CLASS 2

## Gyroled®, a MERCURA® innovation!

- **Approved** rotating LED light
- Flash and rotating mode
- Polycarbonate cover
- Comfort > noise level = 0 dB
- Can be used with the engine off
- Watertight product, protected from polarity reversals and not vibration-sensitive
- No maintenance! No belt, no motor, no expensive lamp to replace



- R65, EMC approved LED beacon
- R65, Class 2 lighting power
- 13 flash modes available
- Polycarbonate cover
- Lighting on the top of the Gyroled for identification from the air



**Technical specifications:** see page 15

### Approvals:

#### • Photometry:

R65 Approval (special warning lights):  
Amber flash: TA2 (E2) 0016107  
Rotating amber TA2 (E2) 0016108

#### • Protection:

Seal-tightness: IP 45  
Protection from mechanical impacts: IK06

#### • EMC:

"E" marking, Regulation R10 10R05 16034  
CISPR25 (2008): class 5 radiated; class 5 conducted

### COMPARISON

#### GYROLED M130 CLASS 2 AND GYROLED CLASS 1



Comparison of the Gyroled range > see page 17



APPROVED  
R65

## Gyroled M130 Class 2 Gyroled



| Fixing       | Colour  | Mode                   | Reference |
|--------------|---------|------------------------|-----------|
| ISO          | Amber   | Programmable           | 28701     |
| ISO          | Red     | Programmable           | 28703     |
| ISO          | Green   | Programmable           | 28704     |
| ISO          | Crystal | Programmable           | 28702     |
| Magnetic CLP | Amber   | Rotating (R65)         | 29775     |
| Magnetic CLP | Amber   | Flash (R65)            | 29776     |
| Magnetic CLP | Amber   | Modifiable by the user | 29620     |
| Magnetic CLP | Red     | Modifiable by the user | 29622     |
| Magnetic CLP | Green   | Modifiable by the user | 29623     |

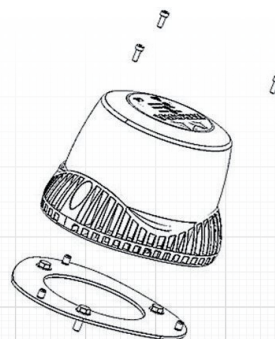
CLP: Cigar Lighter Plug

### ISO ADAPTER

- Top assembly

**Code**

30674



# EQUIPMENT FOR SERVICE VEHICLES

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## GYROLED® - Class 2

APPROVED  
R65

DELIVERY  
24  
HOURS

- Rotating or flash LED lights (*double flash*)
- Polycarbonate cover; available colours: amber, blue
- Power supply voltage: from 10 to 30V DC
- Operating temperature: -40°C to +85°C
- Consumption at 12 V: 1800mA
- Consumption at 24 V: 900mA
- Height: 102 mm - Diameter: 105.6 mm (*single light*)  
Height: 177 - Diameter: 152 mm (*XL ISO*)
- Comfort: noise level = 0 dB
- Gyroled: Protection index 45



| Mounting          | N° | AMBER    |       |
|-------------------|----|----------|-------|
|                   |    | Rotating | Flash |
| Single            | 1  | 23568    | 23572 |
| ISO               | 2  | 23569    | 23573 |
| Pipe-mount        | 3  | 23570    | 23574 |
| Magnetic CLP      | 4  | 23571    | 23575 |
| XL - ISO          | 5  | 23576    | 23579 |
| XL - Pipe-mounted | 6  | 23577    | 23580 |

CLP: Cigar Lighter Plug



Light accessories, see page 63



**GYROLED® - KOMBI**APPROVED  
R65DELIVERY  
24  
HOURS

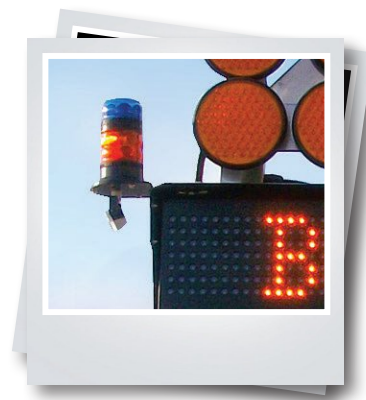
## A single light for 2 functions



- Mandatory double signalling combined in a single light
- Slow vehicle and response priority for snow removal or service vehicle and right of way
- R65 Approval

**Technical specifications:**

- Average consumption at 24V: 1.4 A (2 lights on)
- Power supply: 12 to 24 volts DC. The Kombi is protected against polarity reversals
- Waterproof product
- Vibrations do not affect the operation of the Kombi
- Amber, blue or transparent polycarbonate cover
- Operating temperature: -40°C to +85°C
- Dimensions (Height x Diameter in mm): Standard: 181 x 105
- Noise level = 0 dB
- Gyroled: Protection index 45

**Bottom light CL.2****Top light CL.1**

| Colour | Pattern  | Colour | Pattern  | Fixing   | Code  |
|--------|----------|--------|----------|----------|-------|
| Blue   | Rotating | Amber  | Rotating | Iso      | 24598 |
| Blue   | Rotating | Amber  | Rotating | Magnetic | 24599 |
| Amber  | Rotating | Blue   | Rotating | Iso      | 24600 |
| Amber  | Rotating | Blue   | Rotating | Magnetic | 24601 |
| Blue   | Flash    | Amber  | Rotating | Iso      | 24602 |
| Blue   | Flash    | Amber  | Rotating | Magnetic | 24603 |
| Amber  | Rotating | Blue   | Flash    | Iso      | 24604 |
| Amber  | Rotating | Blue   | Flash    | Magnetic | 24605 |
| Blue   | Flash    | Amber  | Flash    | Iso      | 24575 |
| Blue   | Flash    | Amber  | Flash    | Magnetic | 24606 |
| Amber  | Flash    | Blue   | Flash    | Iso      | 24607 |
| Amber  | Flash    | Blue   | Flash    | Magnetic | 24608 |

**LED WINTER LIGHTS**DELIVERY  
24  
HOURS

- Flashing blue LED light (*double flash*) on pipe-mount class 2 or class 2 XL
- Polycarbonate cover
- Power supply voltage: from 10 to 30V DC
- Operating temperature: -40°C to +85°C
- Consumption at 12 V: 1800mA
- Consumption at 24 V: 900mA
- Height: 295 - diameter: 152 (Class 2 XL)
- Height: 200 - diameter: 105 (Class 2)
- Comfort: noise level = 0 dB



| Name  | Code  |
|---|-------|
| Gyroled class 2 blue flash on pipe-mounted    | 23528 |
| Gyroled XL class 2 blue flash on pipe-mounted | 23535 |

# EQUIPMENT FOR SERVICE VEHICLES

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## CLASS 1

### THE ORIGINAL GYROLED®



- Rotating or flash LED lights (*double flash*)
- Polycarbonate cover, available colours: amber, crystal, red and green
- Operating temperature: -40°C to +85°C
- Consumption at 12 V: 900mA
- Consumption at 24 V: 450mA
- Height: 64.4 mm - Diameter: 105.6 mm (*single light*)
- Height: 109.4 mm - Diameter: 146 mm (*ISO*)
- Comfort: noise level = 0 dB
- Gyroled: Protection index 45



### MOTORCYCLE MAST



- Lightweight, strong
- Polycarbonate mast
- Black matt colour
- Composed of three elements
- Dimensions (*in mm*):  
Diameter: 42, 36, 30  
Height: 660 -1270
- Fixing using a collar and M6 fixing screws
- Weight: 1.3 kg



**ISO XS base**  
Height: 89 mm  
Diameter: 146 mm



**ANTI-GLARE HALF COVER**  
In black ABS for Class 1 Gyroleds

**Code**  
22779

|  |    | AMBER    |       | RED      |       |
|--|----|----------|-------|----------|-------|
| Mounting                                 | N° | Rotating | Flash | Rotating | Flash |
| Single                                   | 1  | 22302    | 22303 | 23369    | 23368 |
| ISO                                      | 2  | 22304    | 22305 | 23370    | 23394 |
| ISO XS                                   | -  | 27002    | 28358 | CU       | CU    |
| Pipe-mount                               | 3  | 22306    | 22307 | 23392    | 23395 |
| Magnetic CLP                             | 4  | 22308    | 22309 | 23393    | 23396 |
| Remotely controlled magnetic CLP         | 5  | 30321    | 30370 | 30373    | 30374 |
| Magnetic jack plug                       | 6  | 28045    | 28046 | CU       | CU    |
| Stick with CLP                           | 7  | 24489    | 24490 | 24497    | 24498 |
| Battery powered magnetic* (12V charger)  | 8  | 23400    | 23401 | 23402    | 23403 |
| Battery powered magnetic* (220V charger) | 8  | 27159    | 27160 | CU       | CU    |
| Motorcycle mast                          | -  | 23556    | 23557 | 23558    | 23559 |
| XL-ISO                                   | 9  | 23414    | 23416 | CU       | CU    |
| XL-Pipe-mount                            | 10 | 23415    | 23417 | CU       | CU    |

|  |    | GREEN    |       | CRYSTAL  |       |
|--|----|----------|-------|----------|-------|
| Mounting                                 | N° | Rotating | Flash | Rotating | Flash |
| Single                                   | 1  | 23142    | 22614 | 24514    | 25060 |
| ISO                                      | 2  | 23143    | 22613 | 24515    | 25061 |
| ISO XS                                   | -  | CU       | CU    | CU       | CU    |
| Pipe-mount                               | 3  | 23389    | 23390 | 28865    | CU    |
| Magnetic CLP                             | 4  | 23378    | 23391 | 24516    | 26009 |
| Remotely controlled magnetic CLP         | 5  | 30375    | 30376 | CU       | CU    |
| Magnetic jack plug                       | 6  | CU       | CU    | CU       | CU    |
| Stick with CLP                           | 7  | 24493    | 24494 | 29758    | 27575 |
| Battery powered magnetic* (12V charger)  | 8  | 23404    | 23405 | CU       | CU    |
| Battery powered magnetic* (220V charger) | 8  | CU       | CU    | 29715    | 29716 |
| Motorcycle mast                          | -  | 23560    | 23561 | CU       | CU    |
| XL-ISO                                   | 9  | CU       | CU    | CU       | CU    |
| XL-Pipe-mount                            | 10 | CU       | CU    | CU       | CU    |

**CU:** Consult us  
**CLP:** Cigar Lighter Plug

\* The warranty does not cover consumables such as the battery



## LIGHT ACCESSORIES



| Name   | N° | Code  |
|--|----|-------|
| Pipe-mount connector with threaded tube and nut        | 1  | 16066 |
| Plate-mounted pipe-mount connector                     | 2  | 16065 |
| Flexible plate-mounted pipe-mount connector            | 3  | 17126 |
| Flat base with fixings                                 | 4  | 21703 |
| Magnetic base with spiral cable and cigar lighter plug | 5  | 15495 |



# Airport equipment

*Airport special - GYROLED ICAO*



Light compliant with the Appendix 14 specifications  
(International civil Aviation agreement for the ICAO regulations for vehicles and type C moving obstacles)

| Mode     | Mounting     | Code  |
|----------|--------------|-------|
| Rotating | Flat         | 28401 |
| Rotating | Pipe-mounted | 28402 |
| Rotating | Magnetic     | 28403 |
| Flash    | Flat         | 28404 |
| Flash    | Pipe-mounted | 28405 |
| Flash    | Magnetic     | 28406 |

Also available in XL version

| Mode     | Mounting | Code  |
|----------|----------|-------|
| Rotating | Flat     | 29133 |

**ICAO  
EASA**  
Type C



| Mode     | Mounting     | Code  |
|----------|--------------|-------|
| Rotating | Flat         | 28407 |
| Rotating | Pipe-mounted | 28408 |
| Rotating | Magnetic     | 28409 |
| Flash    | Flat         | 28410 |
| Flash    | Pipe-mounted | 28411 |
| Flash    | Magnetic     | 28412 |

## Airport lightbar

## M LIGHTBAR with message panel

WARRANTY  
3 YEARSAPPROVED  
R65

NEW

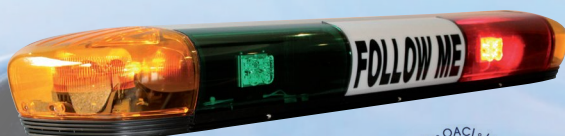
**ICAO  
EASA**  
Type D


Technical specifications, see page 40

| Lenght (in m) | Colour | PMV / PML           | Gyroled | Mode      | Alley lights | Siren | RC | Code  |
|---------------|--------|---------------------|---------|-----------|--------------|-------|----|-------|
| 1,10m         | Amber  | LMP<br>(6 messages) | 2       | Flash R65 | No           | No    | No | 29962 |

RC: Roof connector

## AIRPORT ML LIGHTBAR

WARRANTY  
3 YEARS

- Lenght 1.10 m (width 280 mm, height 135 mm)  
1,50 m option for utility vehicles
- 2 amber rotating or double flash Gyroleds®
- Input voltage 12V/24V
- Back-lit **"FOLLOW ME"** text on the rear of the lightbar
- Back-lit **"FLYCO"** text on the front of the lightbar
- 1 Green LED L51 light for taxiing authorisation
- 1 Red LED L51 light for taxiing stoppage
- Lightbar controlled by a classic unit with switch, fuse relays (*not included*)
- With 10 metre vehicle cable harness
- Delivered with black, matt universal, corrosion-treated permanent mountings

NEW

| Lenght (in m)                 | Gyroled  | RC | Code  |
|-------------------------------|----------|----|-------|
| 1,10 m                        | Rotating |    | 24879 |
| 1,50 m                        | Rotating |    | 27500 |
| 1,10 m                        | Rotating | ✓  | 24234 |
| 1,50 m                        | Rotating | ✓  | 30501 |
| 1,10 m                        | Flash    |    | 24095 |
| 1,50 m                        | Flash    |    | 26342 |
| 1,10 m                        | Flash    | ✓  | 25186 |
| 1,50 m                        | Flash    | ✓  | CU    |
|                               |          |    | Code  |
| Special ML Airport CCS 4 Pack |          |    | 29023 |
| Special ML Airport CCS 8 Pack |          |    | 29024 |

CU: Consult us





# EQUIPMENT FOR SERVICE VEHICLES

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## AMBER VEGA WITH VMP

WARRANTY  
3 YEARS



- Extra flat lightbar
- Solid, aluminium structure and polycarbonate casing aerodynamic, 67mm high
- Optimum installation with adjustable mountings
- High intensity LED power - Type C approved
- Very low power consumption

For more details about VMP option, please see page 32.

| Name                                     | Code  |
|--|-------|
| 120 cm VEGA lightbar with roof connector | 30716 |
| Siren option                             | 30788 |
| Public Address option <sup>1</sup>       | 30724 |
| Side alley light option                  | 30787 |
| VMP option (T-Panel control panel)       | 30723 |
| LMP option2 (12-key control panel)       | 30721 |
| VMP front "mirror" option                | 30830 |
| Message programming interface            | 25581 |

<sup>1</sup> Not compatible with the LMP option

<sup>2</sup> Not compatible with the PUBLIC ADDRESS option

VMP

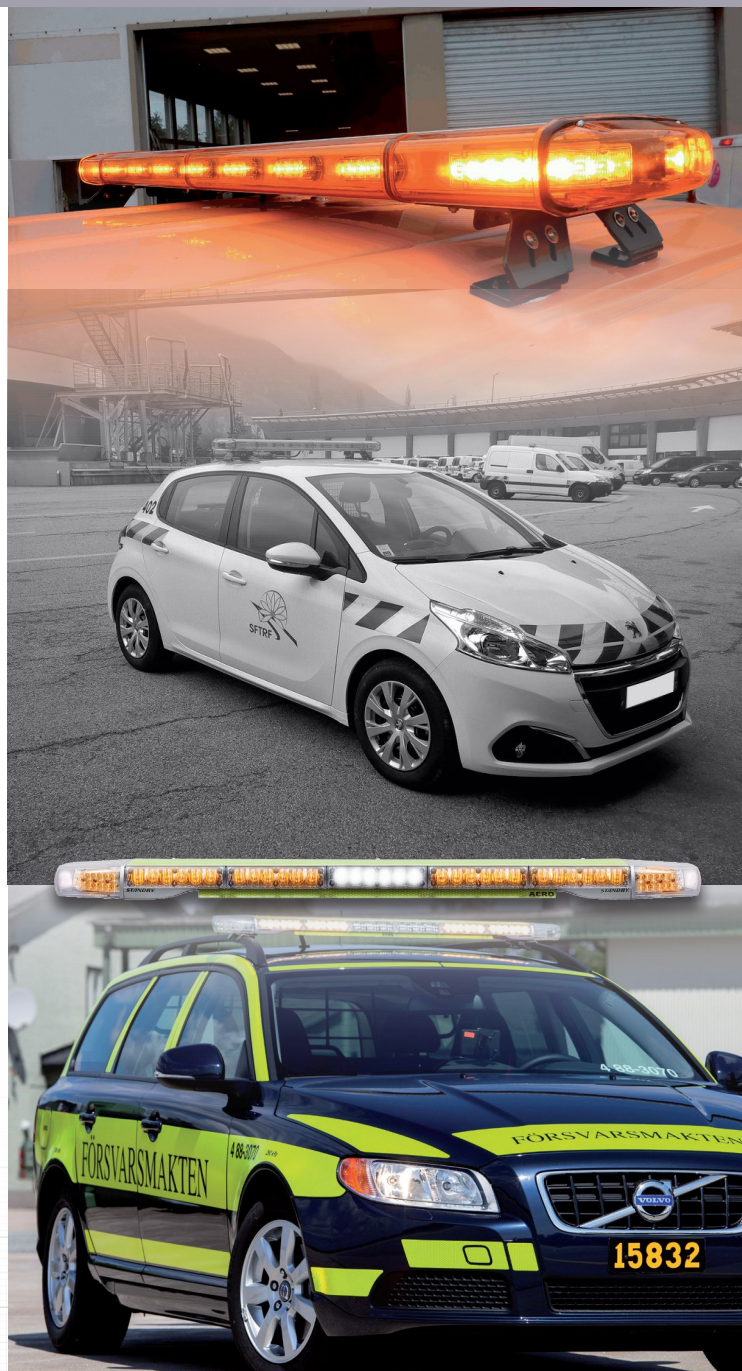
## W1 AERO LIGHTBAR

WARRANTY  
3 YEARS

APPROVED  
R65



- Features unique aerodynamic shape, exceptional light performance and robust design. Fulfills the requirements for use on airports in accordance with ICAO Annex 14 as well as ECE R65 Class 2, lightning requirement on public roads and EMC.
- Power supply : 10-30V.





**PROJOLED**WARRANTY  
3 YEARS**Electrical properties:**

- Power supply voltage: 10 V / 30 V DC
- Power: 12W
- Consumption: 1A at 12V / 0.5 A at 24V

**Light power:**

- Mechanical specifications 4 high intensity LEDs
- Aluminium casing - polycarbonate lens - IP 66
- Dimensions (h x w x d): 33mm x 106 mm x 40 mm
- Mounting: using M4 bolts on the rear or M5 bolts on the side

**Approvals:**

- EMC Approval under directive 2006/28 (n°e2\*72/245\*2006/28\*09013) & regulation R10 (E2 10R03 09013)
- CISPR25 (2002): class 3 compliant from 0.15 to 1000MHz radiated

**L98 LIGHTBAR**

- Easy to install lightbar with excellent performance for money
- Triangular design allowing many mounting positions, either vertical or horizontal.
- Compatible with a high number of applications, including engine compartment opening lighting, interior lighting...

**Technical specifications:**

- Power supply voltage: 10-30 V
- Light power: 100 lumens
- Material: aluminium
- Lens: translucent
- LED colour: white
- Number of LEDs: 12 or 24 depending on the model
- Lighting colour: 4500-5600 K
- Mounting: surface
- Dimensions: 295 x 22.4 x 17.3 mm / 547 x 22.4 x 17.3 mm
- Operating temperature: -30°C to +60°C
- Protection index: IP67
- Product approval: EMC R10



Projoled on universal mounting



Magnetic Projoled



Battery operated magnetic Projoled

| Name  | Code  |
|---|-------|
| Projoled without mounting                         | 22433 |
| Projoled with universal mounting                  | 23315 |
| Magnetic Projoled (5 m cable)                     | 23489 |
| Magnetic Projoled (spiral cable)                  | 24171 |
| Battery operated magnetic Projoled (12V charger)  | 23488 |
| Battery operated magnetic Projoled (220V charger) | 27161 |
| ACCESSORIES                                       |       |
| 12V charger with DIN cigar lighter plug           | 23710 |
| 220V charger                                      | 23709 |



| Name                       | Code  |
|----------------------------|-------|
| L98 LED Light bar - 295 mm | 30426 |
| L98 LED Light bar - 547 mm | 30427 |

# EQUIPMENT FOR SERVICE VEHICLES

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## L52 LED LIGHTS

WARRANTY  
3 YEARS

### L52 - Class 2

| LED L52 LIGHT    | R65        | Code  |
|------------------|------------|-------|
| L52 Amber 10-30V | Horizontal | 27657 |
| L52 Amber 10-30V | Vertical   | 27659 |
| L52 White 10-30V | -          | 28243 |
| L52 Red 10-30V   | Horizontal | 28059 |

See technical specification in section  
"Equipment for emergency vehicles" page 20

### L52 - Grille mounts

| Grill mountings           | Code  |
|---------------------------|-------|
| 1 Standard bracket x1     | 29599 |
| 2 2x bracket kit*         | 29600 |
| 3 Self-adhesive mounting* | 29654 |

\* Light not included

### L52 - Dual colour

| L52 dual colour LED lights  | Code  |
|-----------------------------|-------|
| L52 dual colour blue/amber  | 31628 |
| L52 dual colour blue/red    | 31629 |
| L52 dual colour blue/white  | 31630 |
| L52 dual colour blue/green  | 31631 |
| L52 dual colour amber/white | 31632 |
| L52 dual colour amber/green | 31633 |
| L52 dual colour amber/red   | 31634 |



## L52 - Permanent windscreen mountings

|   | Permanent mountings  | Code  |
|---|--|-------|
| 4 | L52 windscreen mounting<br>(large model for LV - 155x89x35 mm) | 30827 |
| 5 | L52 windscreen mounting<br>(small model for UV 144x74x30 mm)   | 30828 |



## L52 - Removable windscreen mountings

|   | Removable mountings  | Colour      | Code  |
|---|--|-------------|-------|
|   | <b>1 light</b> removable<br>with CLP and velcro type<br>mountings          | Amber       | 31011 |
|   |  | Red         | 31012 |
|   |  | White       | 31013 |
| 6 | <b>Kit 2 lights</b> L52 removable<br>with CLP and velcro type<br>mountings | Amber-amber | 31015 |
|   |  | Blue-amber  | 31018 |
|   |  | Blue-red    | 31016 |
|   |  | Blue-white  | 31017 |

\*CLP: Cigar Lighter Plug



## DOUBLE L52

| Double LED L52 KIT       | R65        | Code  |
|--------------------------|------------|-------|
| L52 Amber/Amber          | Horizontal | 28105 |
| L52 Amber/Amber          | Vertical   | 30206 |
| Double L52 light bracket | -          | 28103 |

See technical specification in section  
"Equipment for emergency vehicles" page 20





## EQUIPMENT FOR SERVICE VEHICLES

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### METEORIT

| Meteorit 3 LED         | Code  |
|------------------------|-------|
| Meteorit: White        | 28137 |
| Meteorit: Amber        | 28138 |
| Meteorit: Red          | 28139 |
| Meteorit light bracket | 28982 |
| Self-adhesive bracket  | 29655 |

See technical specification in section  
"Equipment for emergency vehicles" page 22

### QUARTZ

| Name  | Code  |
|---|-------|
| Amber QUARTZ grill light                      | 25573 |
| 90° Stainless-steel mounting for QUARTZ light | 25748 |
| Plastic bracket QUARTZ light                  | 27939 |

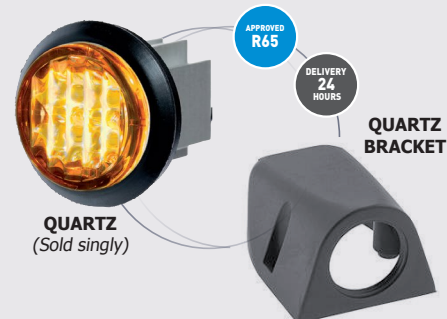
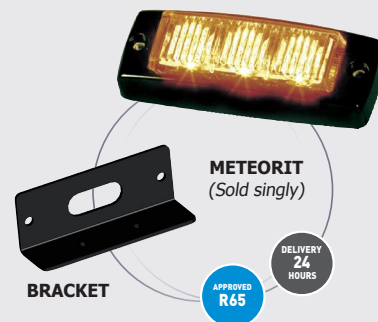
See technical specification in section  
"Equipment for emergency vehicles" page 22

### L51

WARRANTY  
3 YEARS

| Name  | Code  |
|---|-------|
| L51 LED light Amber 10-30V                    | 28697 |
| L51 LED light Red 10-30V                      | 28698 |
| L51 LED light Green 10-30V                    | 28699 |
| L51 LED light White 10-30V / Side searchlight | 29134 |
| L51 LED light White 10-30V / Zone searchlight | 29135 |

See technical specification in section  
"Equipment for emergency vehicles" page 27



**L54**
**WARRANTY**  
**3 YEARS**

The newly designed L54 lights are specially adapted for mounting in small spaces. Despite its reduced size and its extra-flat profile for discrete mounting, the L54 light has an output light power that reaches the lighting performances required by the R65 Class 2 standard.

**A selection of 2 kits:** - single kit (1 light + 1 unit)  
 - double kit (2 lights + 1 unit)

- **Customised brackets** for grille-mounting on Vito, Sprinter and T6 models.
- **Universal brackets also** available as accessories.



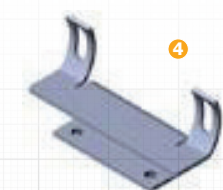
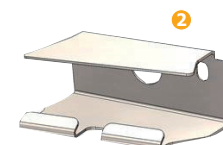
- Top-end LED performances
- Very thin lights for installation on the grille
- Long service life
- Available in several colours
- Fixing for easier installation
- Low energy consumption
- EMC R10 and ECE R65 Class 2 approved

**Technical specifications:**

- Colours: blue, amber, red, crystal
- Number of LEDs: 6 high intensity LEDs
- Mounting: surface
- Power supply: 9-32 volts DC
- Temperature: -40°C to +85°C
- Dimensions in mm (L x w x h): 85 x 36 x 15

| Name   | Kit    | Code  |
|--|--------|-------|
| L54 LED light Amber 10-30V                       | Single | 29985 |
| L54 LED light Amber 10-30V                       | Double | 29986 |
| L54 LED light Red 10-30V                         | Single | 29982 |
| L54 LED light Red 10-30V                         | Double | 29983 |
| L54 LED light Crystal 10-30V                     | Single | 29984 |
| 1 Universal bracket (per pair)                   | -      | 30016 |
| 2 Bracket for Volkswagen T6 (per pair)           | -      | 30014 |
| 3 Bracket for Mercedes Vito/ Sprinter (per pair) | -      | 30015 |
| 4 Mounting kit for directional L54 light         | -      | 30255 |

See technical specification in section  
 "Equipment for emergency vehicles" page 23



## TRAFFIC DIRECTOR RANGE

REDUCED  
PRICES**Technical specifications:**

- Number of LEDs per light: 4
- Consumption per light: 3 W
- Classification as per EN 12352:
  - Mode KR1: L2H, C1+C2, F2, O1
  - Mode KR2: L2L, C1+C2, F2, O3
- Aluminium black profile
- IP 67
- KR41 Compliant
- Power supply: 12/24V
- EMC R10 approved
- Can be controlled using a CCS control panel  
> See page 84

**LED BAR MTD 68**

- Dimensions with mounting (L x h x d) in mm: 685 x 47 x 37
- Number of lights: 6
- Power: 19 W

**LED BAR MTD 80**

- Dimensions with mounting (L x h x d) in mm: 800 x 47 x 37
- Number of lights: 7
- Power: 22 W

**LED BAR MTD 103**

- Dimensions with mounting (L x h x d) in mm: 1030 x 47 x 37
- Dimensions without mounting (L x h x d) in mm: 1020 x 47 x 37
- Number of lights: 9
- Power: 28 W
- Weight: 2.5 kg

NEW



MTD 68

| Name            | Colour | Code  |
|-----------------|--------|-------|
| MTD 68 (680 mm) | Amber  | 31106 |
|                 | Blue   | 31657 |
|                 | Red    | 31658 |
|                 | Green  | 31659 |



MTD 80

| Name            | Colour | Code  |
|-----------------|--------|-------|
| MTD 80 (800 mm) | Amber  | 31107 |
|                 | Blue   | 31660 |
|                 | Red    | 31661 |
|                 | Green  | 31662 |



MTD 103

| Name              | Colour | Code  |
|-------------------|--------|-------|
| MTD 103 (1030 mm) | Amber  | 31108 |
|                   | Blue   | 31663 |
|                   | Red    | 31664 |
|                   | Green  | 31665 |



**300 mm lights L9M**WARRANTY  
3 YEARS

- Warning lights
- L9M class as per EN 12352
- Parabolic 300 flash light - 12V/24V  
(2 amber colour lights)
- Composed of seven 74 mm led lights
- Black housing
- Electronic system built into the lights
- Mounted at the rear of the light or under the light
- Thickness: 70 mm
- Diameter 330 mm

**Name****Code**

Bi-signal lights 300 mm

25997

**200 mm lights L8H**WARRANTY  
3 YEARS

- 70 high intensity LEDs: amber C1 + C2
  - Certification: EN 12352 - Compliant with the L8H standard  
Class C1 - F2 - O1 - M2
  - 12V model consumption: 0.6 A fixed and 0.3 A flashing
  - 24V model consumption: 0.22 A fixed and 0.11 A flashing
  - Protection against saline mist
  - Dimensions: 225mm x 55mm - Weight: 400 g
  - Bi-signal kit: Electronic unit
- Synchronised or alternating lights (to be specified)

**Name****Code**

Bi-signal 200 (2 lights + 1 unit) 12 V

17068

Bi-signal 200 (2 lights + 1 unit) 24 V

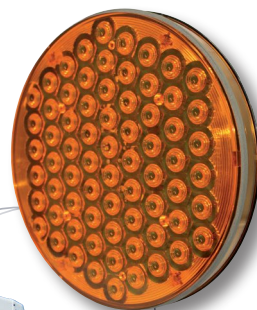
23872

200 mm LED light - 12V

27961

200 mm LED light - 24V

27985



# LIGHTBARS

VEGA RANGE - Class 1

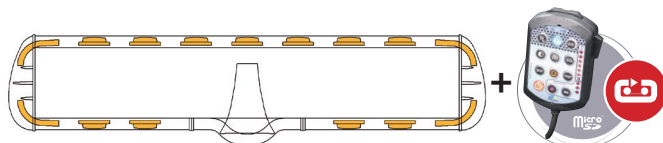


**Extra low profile lightbar**  
with integrated siren  
and loudspeakers!

## VEGA SPA (Siren & Public Address)



- Extra flat lightbar
- Easier access to underground car parks
- Solid, aluminium structure and polycarbonate casing,
- Aerodynamic, 67 mm high
- Optimum installation with adjustable mountings
- High intensity LED power - R65 class 1 approved
- Very low power consumption
- No additional installation of the siren/loudspeaker pair required inside the vehicle
- Maximum sound power thanks to its position on the top of the vehicle

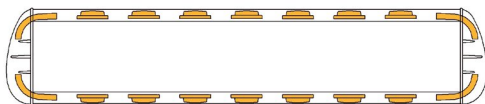


VEGA lightbar with siren technical specifications on page 29

Control panel included

## VMP & VIDEO OPTION FOR VEGA LIGHTBAR > see pages 32-33

### VEGA\*



Without siren integrated version

## ADDITIONAL POWER MODULES

For extra features (e.g.: strengthening light, marker lights, etc.)

- **Plug & Play** technology

\* Includes the same outputs as the 292 module with an extra stabilised 12 V output to supply a digital radio.



NEW



| Lenght | Scrolling | Code with RC |
|--------|-----------|--------------|
| 1,28 m | yes**     | 29261        |

RC: Roof connector \*\*Scrolling: 5 amber lights only



Also available with clear and red lens. Please, consult us.

| Lenght | Scrolling | Code with RC | Code without RC |
|--------|-----------|--------------|-----------------|
| 1,28 m | yes       | 29236        | 28557           |
| 1,59 m | yes       | 29237        | 28558           |

RC: Roof connector

VEGA lightbar without siren technical specifications on page 34

| Name                  | Code  |
|-----------------------|-------|
| Power module 292      | 30075 |
| Power module 446 EVO* | 30076 |

| Name                                      | Code  |
|---|-------|
| Mounting kit for Vega lightbar (to stick) | 29802 |

NEW



MINI VEGA



- Mini lightbar with integrated siren and loudspeakers
- Lightweight, quick and easy to install
- 3 types of available mounts
- Length: 53 cm
- Power supply: 12-24V



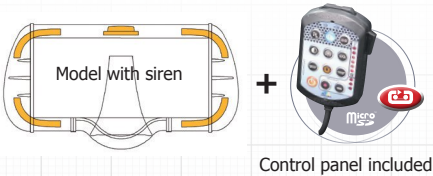
| Article Number | LED light | Lens  | Tones    | Mounting system | Control                      |
|----------------|-----------|-------|----------|-----------------|------------------------------|
| 31746          | Amber     | Amber | 4 Tones* | Bolted          | By wires                     |
| 31748          | Amber     | Amber | 4 Tones* | Adhesive        | By wires                     |
| 31750          | Amber     | Amber | 4 Tones* | Magnetic        | 2- button cigar lighter plug |
| 31760          | Amber     | Clear | 4 Tones* | Bolted          | By wires                     |
| 31761          | Amber     | Clear | 4 Tones* | Adhesive        | By wires                     |
| 31762          | Amber     | Clear | 4 Tones* | Magnetic        | 2- button cigar lighter plug |

\* 4 tones to be indicated with the order - Flash pattern for mini Vega lightbars: alternating. **Also available** in red >Consult us.



SERVICE VEHICLES

CONTROL FROM A PUBLIC ADDRESS  
MICROPHONE CONTROL PANEL



| RC  | Control panel | Adhesive | Bolted |
|-----|---------------|----------|--------|
| yes | Handy         | 30262    | 30263  |

RC: Roof connector



Also available with standard control panel



## EQUIPMENT FOR SERVICE VEHICLES

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### MINI VEGA WITHOUT SIREN



- Mini lightbar without siren and loudspeakers
- Lightweight, quick and easy to install
- 3 types of available mounts
- Length: 53 cm
- Power supply: 12-24V



| Article Number | LED light | Lens  | Tones | Mounting system | Control                      |
|----------------|-----------|-------|-------|-----------------|------------------------------|
| 31743          | Amber     | Amber | -     | Bolted          | By wires                     |
| 31744          | Amber     | Amber | -     | Adhesive        | By wires                     |
| 31745          | Amber     | Amber | -     | Magnetic        | 2- button cigar lighter plug |
| 31757          | Amber     | Clear | -     | Bolted          | By wires                     |
| 31758          | Amber     | Clear | -     | Adhesive        | By wires                     |
| 31759          | Amber     | Clear | -     | Magnetic        | 2- button cigar lighter plug |

Also available in red > Consult us.



## W3 LIGHTBAR



With the new W3, we have taken another step in development and offer a world-class multi-colored lightbar. It is based on our popular W Series, with all its benefits and features. The robust design and its aerodynamic design are the same as before, but the newly developed two-colour interior modules now offer a whole host of additional new possibilities.

Features such as stop, brake and position lights, as well as indicators, direction, protection/work lights, police stops and traffic indicators are

now available. In addition, the lightbar always has yellow and blue lights in the corners, as well as side work lights as standard.

W3 is approved according to ECE R65 Class 2 round-beam lights, as well as directional warning light Class 1. It is developed to cope with the tough Nordic climate and is built with high quality in mind. The lightbar is connected via CAN-Bus or via a break-out box purchased separately.

W3 comes with a full 4-year warranty.



NEW



- Aerodynamic design that provides minimal air resistance and low noise levels for the driver
- Built with high intensity light diodes
- Side work light is standard
- Front/rear work lights are available as an option
- Features such as position lights, indicators and traffic indicators
- Day/night location and cruise-light
- Easy to service
- Developed and manufactured in Sweden
- Length: 590, 930, 1100, 1270, 1440, 1600, 1770 & 1940 mm
- Height: 65 mm (corner modules), 47 mm (inboard modules)
- Width: 280 mm
- Cable: 4,5 m
- 4-year warranty

## Approvals:

- ECE R65 I, ECE R65 II, ECE R10, EMC, ECE R6, ECE R7

| Name                           | Lens  |
|--------------------------------|-------|
| W3 lightbar Blue 10-30V        | Clear |
| W3 lightbar Amber 10-30V       | Clear |
| W3 lightbar White 10-30V       | Clear |
| W3 lightbar Red 10-30V         | Clear |
| W3 lightbar Green 10-30V       | Clear |
| W3 lightbar Blue-amber 10-30V  | Clear |
| W3 lightbar Blue-red 10-30V    | Clear |
| W3 lightbar Blue-white 10-30V  | Clear |
| W3 lightbar Amber-white 10-30V | Clear |

> Please consult us

# EQUIPMENT FOR SERVICE VEHICLES

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## ORION LIGHTBAR



- LED technology
- Five times lower consumption than a conventional lightbar
- Beltless LED beacon: maintenance free
- ECE R65 approved product
- Easy to install
- Lightweight
- Polycarbonate casing: its high transparency and excellent impact resistance make polycarbonate the best material for the production of automotive lighting components.
- User comfort with a sound level of 0 decibels



### Technical specifications:

- Length 1.20, 1.40 and 1.60 m for utility vehicles
- 2 or 4 gyroleds® either blue or amber
- Rotating or flash Gyroled®
- Polycarbonate casing
- Height: 115 mm, Height with support: 172mm
- Width: 338mm
- Illuminated text on the rear
- Input voltage 12V/24V
- With 10 metre vehicle cable harness and roof connector
- Supplied with black matt universal permanent mountings

### Options:

- Siren: ASA tone MP5 (*contact us*)
- Loudspeaker built into front of the lightbar
- Lightbar controlled by a conventional assembly with switch, fuse relays (*not included*)



APPROVED  
R65

WARRANTY  
3 YEARS

| LENGHT<br>(in m) | COLOUR | GYROLED | MODE     | CODE  |
|------------------|--------|---------|----------|-------|
| 1,20             | Amber  | 2       | Rotating | 24976 |
| 1,20             | Amber  | 4       | Rotating | 24978 |
| 1,20             | Amber  | 2       | Flash    | 24980 |
| 1,20             | Amber  | 4       | Flash    | 24982 |
| 1,40             | Amber  | 2       | Rotating | 24984 |
| 1,40             | Amber  | 4       | Rotating | 24986 |
| 1,40             | Amber  | 2       | Flash    | 24988 |
| 1,40             | Amber  | 4       | Flash    | 24992 |
| 1,60             | Amber  | 2       | Rotating | 25139 |
| 1,60             | Amber  | 4       | Rotating | 25141 |
| 1,60             | Amber  | 2       | Flash    | 25143 |
| 1,60             | Amber  | 4       | Flash    | 25145 |





## ENCASED RDF74 TRAFFIC DIRECTOR

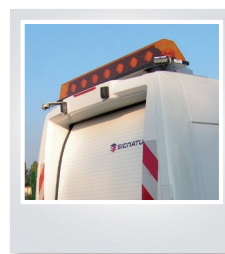


These lightbars are designed to strengthen the position signalling of response or works vehicles. RDF74s are fitted with 5 or 7 LED beacon lights. High performance beacon lights: amber LED lights of a diameter of 74 mm, with a 964 candelas light power per light.

- EN 12352 classification:  
classes L2H, C1, F2, 01, T1
- Consumption: 1.2 A from 10 to 15 V - 360 mA at 24 V
- 1.10 and 1.50 m lightbars, 1 side, amber casing, height 145 mm
- 1.10 and 1.50 m lightbars, 2 sides, amber casing, height 175 mm, delivered with inserts and roof fixing brackets + scrolling unit

**The control panel, delivered with the lightbar, is used to control the following functions:**

- Special amber lights  
(Gyroled®, flash, depending on the option)
- Keys to access scrolling approved on the public highway  
(to the right, to the left, complete lightbar - Warning) and 3 other warning beacon modes (from the inside to the outside <-x->, Bi-signal, Random)
- 1 auxiliary key to connect an additional electric component  
(Additional rotating light, work light.... not included)
- One Triangle key to connect an additional electric triangle  
(triangle not included)



| Lenght | Lights              | Side         | Code 12V | Code 24V |
|--------|---------------------|--------------|----------|----------|
| 1,10 m | -                   | Single-sided | 21743    | 21744    |
| 1,50 m | -                   | Single-sided | 21745    | 21746    |
| 1,10 m | 2 Rotating Gyroleds | Single-sided | 22996    | 24943    |
| 1,50 m | 2 Rotating Gyroleds | Single-sided | 22997    | 24944    |
| 1,10 m | 2 Flash Gyroleds    | Single-sided | 22998    | 24945    |
| 1,50 m | 2 Flash Gyroleds    | Single-sided | 22999    | 24946    |
| 1,10 m | -                   | Double-sided | 21751    | 21752    |
| 1,50 m | -                   | Double-sided | 21753    | 21754    |
| 1,10 m | 2 Rotating Gyroleds | Double-sided | 23000    | 24947    |
| 1,50 m | 2 Rotating Gyroleds | Double-sided | 23001    | 24948    |
| 1,10 m | 2 Flash Gyroleds    | Double-sided | 23002    | 24949    |
| 1,50 m | 2 Flash Gyroleds    | Double-sided | 23003    | 24950    |

# EQUIPMENT FOR SERVICE VEHICLES

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## "M" PROFILE LIGHTBAR

WARRANTY  
3 YEARS



- Length 1.10 m (width 280 mm, height 135 mm) optionally 1.50 m for commercial vehicles
- 2 or 4 amber gyroleds®
- ML6x series amber rotating Gyroleds®
- ML7x series double flash amber Gyroleds®
- Input voltage 12V/24V
- Siren: many tones available, please consult us
- Built-in 100W loudspeaker
- Illuminated text on the rear of the lightbar



ML 62

- Lightbar controlled by a conventional assembly with switch, fuse relays (not included)
- With 10 metre vehicle cable harness
- Delivered with black, matt universal, corrosion-treated permanent mountings

### Approvals:

PHOTOMETRY: Approval according to regulation ECE-R65  
Amber Gyroled® in rotating mode (rotating light) TA1 (E2) 00 09031  
Amber Gyroled® in flash mode (double flash) TA1 (E2) 00 09032  
Siren approved depending on tone: consult us

## SERVICE LIGHTBARS

### ML61-71 (2 GYROLED) SERIES



| Lenght<br>(in m) | LS | S | SPA | RC | ML61<br>Rotating | ML71<br>Flash |
|------------------|----|---|-----|----|------------------|---------------|
| 1,10             | -  | - | -   | -  | 24635            | 24142         |
| 1,50             | -  | - | -   | -  | 25058            | 27631         |
| 1,10             | -  | - | -   | ✓  | 24829            | 25444         |
| 1,50             | -  | - | -   | ✓  | 25161            | CU            |
| 1,10             | ✓  | ✓ | -   | -  | CU               | CU            |
| 1,50             | ✓  | ✓ | -   | -  | CU               | CU            |
| 1,10             | ✓  | ✓ | -   | ✓  | 23605            | 28135         |
| 1,50             | ✓  | ✓ | -   | ✓  | 24444            | 26518         |



### ML62-72 (4 GYROLED) SERIES

| Lenght<br>(in m) | LS | S         | SPA | RC | ML62<br>Rotating | ML72<br>Flash |
|------------------|----|-----------|-----|----|------------------|---------------|
| 1,10             | -  | -         | -   | -  | 23724            | 27211         |
| 1,50             | -  | -         | -   | -  | 24244            | 24448         |
| 1,10             | -  | -         | -   | ✓  | 24451            | 25300         |
| 1,50             | -  | -         | -   | ✓  | 27691            | 25554         |
| 1,10             | ✓  | ✓         | -   | -  | 23760            | 24580         |
| 1,50             | ✓  | ✓         | -   | -  | 25588            | CU            |
| 1,10             | ✓  | ✓         | -   | ✓  | 27798            | 29180         |
| 1,50             | ✓  | ✓         | -   | ✓  | 24865            | CU            |
| 1,10             | ✓  | Multitone | -   | -  | CU               | CU            |
| 1,50             | ✓  | Multitone | -   | -  | CU               | CU            |
| 1,10             | ✓  | Multitone | -   | ✓  | CU               | CU            |
| 1,50             | ✓  | Multitone | -   | ✓  | 24177            | CU            |
| 1,10             | ✓  | ✓         | ✓   | -  | 23742            | CU            |
| 1,50             | ✓  | ✓         | ✓   | -  | CU               | CU            |
| 1,10             | ✓  | ✓         | ✓   | ✓  | 24844            | CU            |
| 1,50             | ✓  | ✓         | ✓   | ✓  | 29001            | CU            |

CU: Consult us  
LS: Loudspeaker  
S: Siren  
SPA: Siren & Public Address  
RC: Roof connector

**M LIGHTBAR** with message panel

- Message display at the back
- Message display towards the front available as an option: "mirror" display legible in the driver's rear-view mirror
- Foreign language display available
- Light power: Gyroled in the lightbar and LED side alley lights
- Approved products
- **Mercurea®** technology and quality

**Approvals:**

- ECE R65 Class 1
- EMC R10
- VMP: N° E2 0511026



**Touch control panel**  
Easy-to-use  
Up to 100 messages  
7 languages available



**LMP Control panel**  
6 pre-defined messages

**Technical specifications:**

- Dimensions (L x w x h): 110 x 28 x 13.5 cm\*
- Base and roof: aluminium
- Polycarbonate blue or amber casing\*
- Alley lights: Two 4-LED modules\*
- 2 or 4 Gyroled Class 1 or 2\*
- R65 rotating or flash mode\*
- Power supply 12/24 V
- 3 year guarantee
- Delivered with 7 metre harness
- Delivered with black, matt universal, corrosion treated permanent mountings
- Adjustable mounts
- Available options: see table opposite

\* Depending on the model

| Length (in m) | Colour | VMP / LMP           | Gyroled | Mode      | Side alley lights | Siren | RC | Code  |
|---------------|--------|---------------------|---------|-----------|-------------------|-------|----|-------|
| 1,10m         | Amber  | VMP<br>(6 messages) | 2       | Flash R65 | No                | No    | No | 29962 |

**NEW****Stand-alone LED VMP**

**Ideal for installation  
and assembly in the rear window**

- Colour red
- Dimensions (L x w x h): 564 x 25.5 x 107 mm.
- Character height: 65 mm
- Automatic switch to Day/Night mode
- 100 messages of 3 x 16 characters
- 7 languages
- 5000 candelas/m2
- Messages can be displayed in static, flashing, alternating or scrolling mode.



**Touch control panel**  
• Easy-to-use  
• Up to 100 messages  
• 7 languages available

| Name   | Code  |
|--|-------|
| Stand-alone VMP (T-panel control panel included) | 30960 |
| Message programming interface                    | 25581 |

**M LIGHTBAR WITH VMP****Options:**

| Name                                | Code  |
|-------------------------------------|-------|
| Lightbar 1,10m 2 amber Gyroled Cl.1 | 32408 |
| Roof connector                      | 29964 |
| VMP (100 messages)                  | 29965 |
| Front message panel                 | 29966 |
| 1.50 m long lightbar                | 29967 |
| + 2 Gyroled Class 1                 | 29968 |
| 2 x Gyroled Class 2                 | 29969 |
| 4 x Gyroled Class 2 <sup>1</sup>    | 29970 |
| 2 x alley lights                    | 29971 |
| Siren <sup>2</sup>                  | 29972 |
| Public Address                      | 29973 |

<sup>1</sup> Incompatible with 1.10 m lightbar

<sup>2</sup> Incompatible with front message panel

Gyroleds can be in R65 rotating mode, R65 flash mode, ICAO rotating mode, ICAO flash mode (please indicate with the order)  
Please specify the siren tone with the order

**RC:** Roof connector



## MSC 124 Voltage stabiliser / Digital radio converter



**The MSC 124** is a stand-alone module that can be used to stabilise a 12V output. It protects electric elements from voltage variations and the stabilised output prevents unexpected power cuts, such as micro power cuts when the vehicle starts up. It is adapted to the new onboard communication technology such as the Antares radio system.

- **EMC approved:** no risk of interference with the other vehicle equipment
- **Separate module:** No work needed on the vehicle's original circuit, therefore the manufacturer's guarantee remains valid
- Easier installation on electric and hybrid vehicles thanks to its stabilised 12V output

The MSC 124 module can also be used as a 24V-12V converter.



### Technical specifications:

- Converter (*not insulated*) voltage reducer-increaser (DC/DC)
- Fixed 12V output voltage for an input voltage of 5 to 30V
- Power supply 5 to 30 V (protection from polarity inversions)
- 1 output: 10A
- Operating temperature from -40° to +85°C
- Max consumption with the product turned off: < 100 µA
- Automotive standard cable harness (*self extinguishing*)
- Protection index: IP66 and IK08
- Dimensions (h x l x w): 30 x 71 x 89.6 mm
- Weight: 200 g
- Automatic 12-24V detection

| Name                                   | Code  |
|--|-------|
| Voltage stabiliser / converter MSC 124 | 31193 |

## R124 Battery desulphator and regenerator

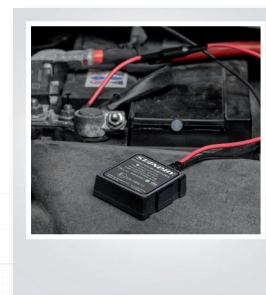
**Save time, money and environmental resources** by changing your batteries less often!  
**Maintain** the high performance levels of the inner and outer electronics on all your vehicles!

### Connecting the R124 to your batteries means you can:

- Minimise the risk of unplanned down time
- Extend the starter motor service life by 25% or more
- Extend the generator service life by 50% or more
- Extend battery service life by 50-100%

### Technical specifications:

- Polypropylene housing
- Harness length: 50 cm
- Voltage 12-24V
- Consumption < 20mA
- Weight 65 g
- Dimensions (L x w x h): 48 x 45 x 17 mm.
- Operating temperature: -40°C to +85°C
- Connection using Ø 6mm eyehole lugs
- Protection index: IP67, IP68, IP6K9K
- EMC ECE R10 versions 69530301



| Name                                     | Code  |
|--|-------|
| R124 Battery desulphator and regenerator | 29863 |

# ELECTRONIC CONTROLS

## ELECTRONIC CONTROL SYSTEMS

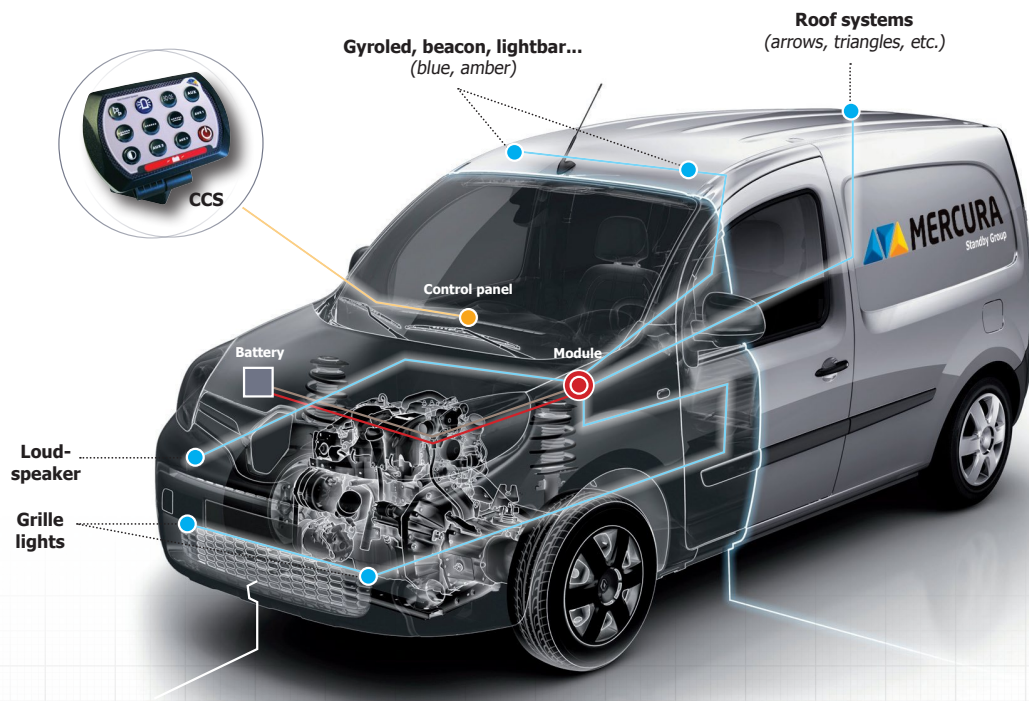
### Smart management of the additional equipment on board the vehicle

- Option of setting a single button to control the start-up or operating mode of several items of equipment
- Coupling the operation of the devices to conditions selected by the user (*handbrake, engine running, day/night...*)

#### Energy management functions such as:

- Coupling extra batteries
- A standby mode
- Low voltage alarms
- Electronic protection of the network and the equipment
- Diagnosis of network and equipment malfunctions
- Automatic, selective and configurable offloading

Compliant with car manufacturer technical specifications, this equipment is installed without modifying the original electrical circuit. Easy to remove, it can be reused on other vehicles.



MAKE THE  
INSTALLATION  
OF SIGNALLING  
UNITS EASIER!

STOP MAKING  
ELECTRIC  
ALTERATIONS  
TO THE VEHICLE!

# EQUIPMENT FOR SERVICE VEHICLES

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## CONTROL KITS

WARRANTY  
3 YEARS

### CCS PACK



- Simple and easy
- No fuse to install
- Battery alarm
- No intervention on the original circuit
- No risk of voiding the vehicle manufacturer's warranty
- Reduced wiring

- Reduced installation time
- Very easy control panel installation
- Adapted to specific vehicle missions
- Automotive connectors



### CCS4

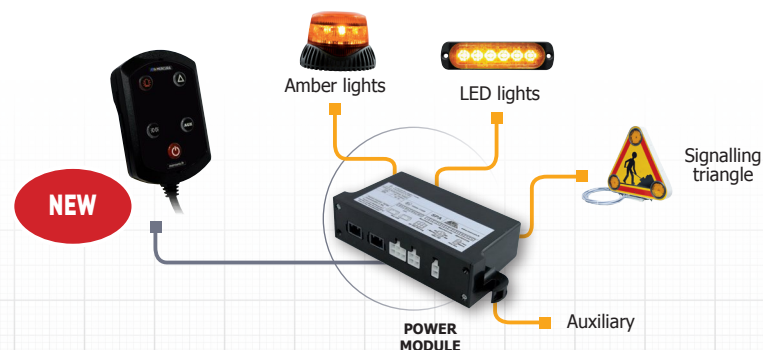


DELIVERY  
24  
HOURS

|                  |                    |
|------------------|--------------------|
| <b>Pack CCS4</b> | <b>Code 12/24V</b> |
| <b>Basic</b>     | 26123              |

\* Permanent power supply (battery value) for radios or other power consumers.

### CCS 4 LITE



|                  |                    |
|------------------|--------------------|
| <b>Pack CCS4</b> | <b>Code 12/24V</b> |
| <b>CCS4 LITE</b> | 32136              |



## CCS8

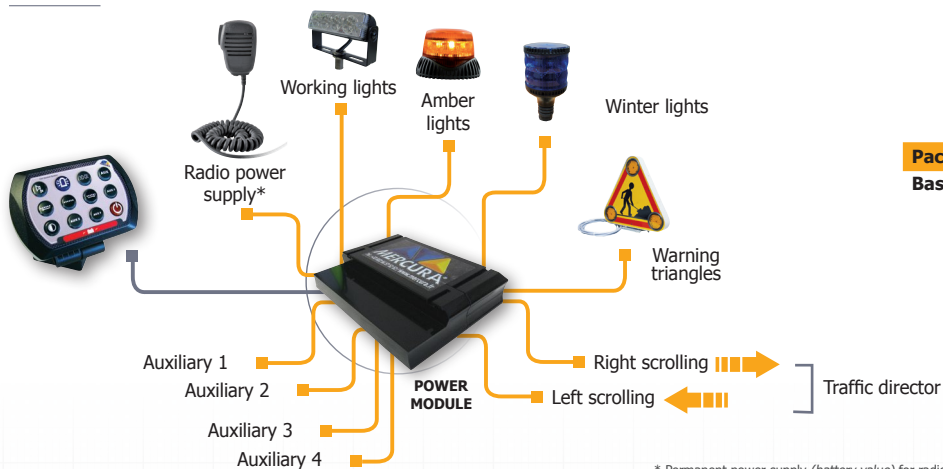


**Pack CCS8**  
**Basic**

**Code 12/24V**  
26127

\* Permanent power supply (battery value) for radios or other power consumers.

## CCS11



**Pack CCS11**  
**Basic**

**Code 12/24V**  
25968

\* Permanent power supply (battery value) for radios or other power consumers.

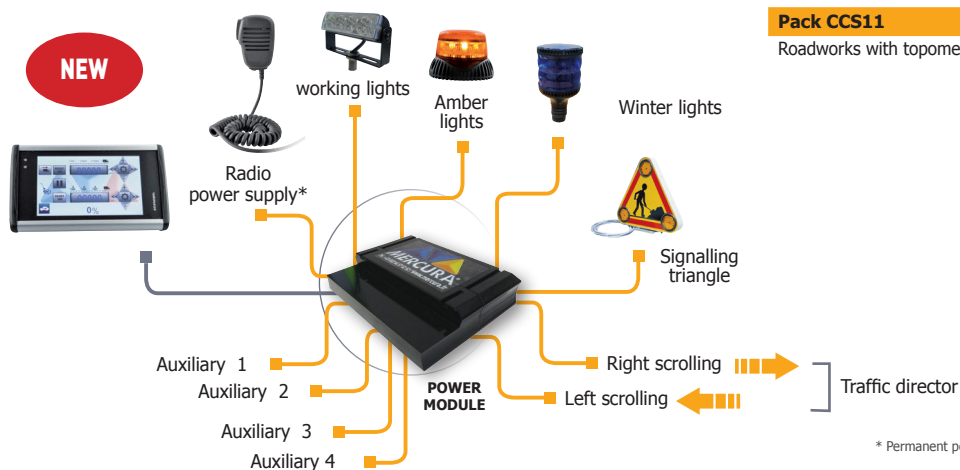
For any specific software configuration

> Please, consult us.

## EQUIPMENT FOR SERVICE VEHICLES

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### CCS11 WITH T-PANEL AND BUILT-IN TOPOMETER FUNCTION



#### Pack CCS11

Roadworks with topometer function

#### Code 12/24V

31101

#### Topometry function technical specifications

See below, stand-alone topometer

\* Permanent power supply (battery value) for radios or other power consumers.

### STAND-ALONE TOPOMETER

NEW

WARRANTY 3 YEARS

- Topographical readings
- Site measurements
- Installation of temporary signage
- Road markings
- Road maintenance



#### Name

Stand-alone topometer

#### Code

30631

### STAND-ALONE ANTI-THEFT

NEW

WARRANTY 3 YEARS

**You no longer need to cut the engine to protect your vehicle from being stolen !**

- **THE MERCURA STAND-ALONE ANTI-THEFT** makes it possible to keep the engine running after having left and locked the vehicle.

#### Name

Stand-alone anti-theft kit with NG connectors (compatible Renault)

Stand-alone anti-theft kit with Proner connectors (compatible PSA)

Stand-alone anti-theft kit with NG connectors (compatible Renault) with locking remote

Stand-alone anti-theft kit with Proner connectors (compatible PSA) with locking remote

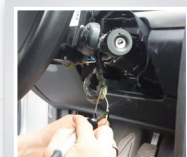
#### Code

29915

29947

29905

30202



You have to check the compatibility with the vehicle which will be equipped before order. **Please, contact your commercial representative.**

To-measure **electric systems** for your special vehicles

**Mercura®** will assist you in creating the electric equipment control network for your vehicle.

**We will make an in-depth study for you and propose the ideal solution for your project.**

- 1- **Study** of your needs (*electric assessment, essential functions, etc.*)
- 2- **Proposal** of the most suitable power modules
- 3- **Selection** of the control panels and their different functions
- 4- **Determination** of the cable harnesses, connectors and accessories needed for your project
- 5- **Programming** the on-board software

***Don't hesitate to get in touch for your bespoke study!***



**MERCURA**  
Standby Group  
**SOLUTIONS**



## POWER MODULES

## Technical specifications

| Outputs        | CCS 292 | CCS 446 | CCS 446 Evolution |
|----------------|---------|---------|-------------------|
| 15A            | 2       | 3       | 2                 |
| 15A reversible |         | 1       | 1                 |
| 10A stabilised |         |         | 1                 |
| 6A             | 1       |         |                   |
| 3A             | 8       | 4       | 4                 |
| 1,3 A          |         |         |                   |
| 1 A            |         | 2       | 2                 |
| 0,1 A          | 2       |         |                   |
| 0.05A          |         | 4       | 4                 |
| Total outputs  | 13      | 14      | 14                |
| Max power      | 30A     | 60A     | 60A               |
| Inputs         |         |         |                   |
| + or -         | 1       | 2+2     | 2+2               |
| on +           | 0       |         |                   |
| on -           | 1       |         |                   |
| Analogue       |         | 2       | 2                 |

All our power modules have successfully passed the ECM approvals  
They are exclusively fitted with automotive connectors.



**Power module**  
CCS 446 or  
CCS 446 Evolution



**Power module**  
CCS 292

## CCS CAN SOFTWARE

## Your centralised technical assistance tool on a computer!

**Power module:**

- Ergonomic and easy to use software: instructions are provided to guide the user (*on request*)
- Mercurea CCS CAN system diagnosis:
  - Fast fault detection
  - Indicates input and output status
  - Indicates the faulty LEDs on the mobile message panel
- Allows significant user autonomy:
  - there is no longer any need to call the Mercurea hotline
- Free diagnosis software, operates on a USB CAN interface
- **Free download from our web site**, downloads section.



## CONTROL PANELS



230 mm  
VMP graphic panel



90 mm  
11-key XL panel



105 mm  
4-key panel



105 mm  
8-key panel



105 mm  
11-key panel



XL joystick panel



Embedded graphic face



Graphic Touch-Panel

## CABLE HARNESSES - CONNECTORS - ACCESSORIES - INTERFACES

## DISTRIBUTION CABLE HARNESSES FOR CONSUMERS

| Name   | Code  |
|--|-------|
| CAN 292 consumer harness - 6m                    | 25985 |
| CAN 446 6m consumer harness - 6m                 | 25986 |
| CAN 602 6m consumer harness - 6m                 | 24990 |
| CCS446 Evolution consumer harness - 6m           | 25987 |
| Four point harness for CCS 292 block inputs - 6m | 25988 |

## POWER SUPPLY CABLE HARNESSES

| Name   | Code  |
|--|-------|
| 2x6mm <sup>2</sup> harness Length 6m         | 07435 |
| Cable harness 2x10mm <sup>2</sup> Length 10m | 07883 |
| CAN 402/602 rear cable harness               | 25790 |
| CAN 402/602 front cable harness              | 25789 |
| XXL graphic control panel harness            | 25903 |

## CONNECTORS

| Name  | Code  |
|---|-------|
| 21-point, 4-point connector kit<br>& power supply for CCS292  | 26259 |
| 21-point, 12-point connector kit<br>& power supply for CCS446 | 26466 |

## INTERFACES

| Name                                  | Code  |
|---------------------------------------|-------|
| (CAN) for stand-alone heating control | 26496 |
| CAN temperature sensor                | 26504 |

**CPT Connector:**

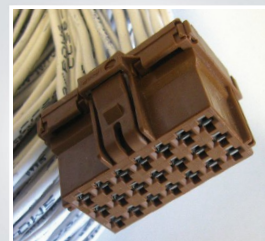
- Machine-crimped
- Over-moulded plug

**Safety:**

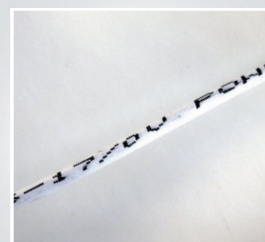
- Locator to prevent incorrect connections
- Blocking clip to prevent disconnections due to vehicle vibration

All the cable harnesses are manufactured using machines. They are designed according to applicable automotive standards and are subjected to severe quality controls.

These connectors are referenced and used by Renault Truck and Mercedes.



MCP Connector  
21 points



Marking on each wire



## CABLE HARNESSES - CONNECTORS - ACCESSORIES - INTERFACES

## COMMUNICATIONS BUS

## Communications buses of different lengths:

To cater for all types of installation **Mercura®** proposes a choice of different lengths of communications Buses.

| Name  | Code  |
|---|-------|
| <b>CAN BUS</b> Length 0.3 metres  | 26594 |
| <b>CAN BUS</b> Length 0.7 metres  | 25677 |
| <b>CAN BUS</b> Length 4.5 metres  | 23858 |
| <b>CAN BUS</b> Length 6 metres  | 23859 |
| <b>CAN BUS</b> Length 10 metres   | 23860 |
| <b>CAN BUS</b> Length 5 metres without overmoulding on the control panel side | 26596 |
| <b>Adapter CAN BUS / CAN BUS</b>  | 27072 |

## ACCESSORIES

| Name   | Code  |
|--|-------|
| 25A diode bridge 16049                         |       |
| Handbrake module                               | 20570 |
| Encasing panel for 12-key control panel        | 23912 |
| Articulated arm for XXL Graphic screen fixture | 25673 |
| Screen print / Lexan for 4 key control panel   | 26132 |
| Screen print / Lexan for 8key control panel    | 26133 |
| Screen print / Lexan for 11 key control panel  | 26134 |
| 12 V - 150A battery coupling relay             | 17630 |
| Bag of keys for 23938 12 key control panel     |       |
| Black articulated support + hardware           | 20867 |
| Amber triangle switch with built-in LED        | 28945 |
| White gyroled switch with built-in LED         | 28946 |

## FUSE HOLDER AND FUSE UNITS

| Name                        | Code  |
|-----------------------------|-------|
| <b>Set 30A</b> fuse holder  | 26140 |
| <b>Set 40A</b> fuse holder  | 17620 |
| <b>Set 60A</b> fuse holder  | 23956 |
| <b>Set 100A</b> fuse holder | 17762 |
| <b>Set 150A</b> fuse holder | 21996 |
| <b>Set 200A</b> fuse holder | 21232 |
| <b>Fuse 40A</b>             | 15659 |
| <b>Fuse 100A</b>            | 15651 |
| <b>Fuse 150A</b>            | 15652 |
| <b>Fuse 200A</b>            | 15653 |



CAN Bus



Switches



Switches

# TRIANGLES



## REGULATIONS

Many screen-prints are available,  
**please consult us.**

- Roadwork ahead (AK5, A20, TP18...)
- Accident ahead
- Danger



> One light at the top of each triangular panel :  
inside the triangle if  $d < 0.15c$  and on the outside of the triangle if  $d > 0.15c$

## TRIANGLES WITH MANUAL RAISING

WARRANTY  
3 YEARS

500 mm or 700 mm AK5 screen-printed triangle, classes T1 or T2

- Day/night adjustment of light intensity by a twilight sensor
- 1 hinge for 500 mm triangle and 2 hinges for 700 mm triangle  
(hinges to protect against obstacles)
- Amber 74 mm LED lights: 964 candelas photometry / light
- **EN 12352** classification: L2H class
- Consumption: 1.2 A from 10 to 15 V - 360 mA at 24 V
- Supplied with control switch

## TRIANGLE ACCESSORIES



|  | Code  |
|--|-------|
| Manual remote control (option)                                     | 15330 |
| Magnetic hook to keep all the triangles horizontal                 | 17417 |
| Direct mounting on Ecoplaque for Ecofix 500                        | 17411 |
| Direct mounting on Ecoplaque for Ecofix 700                        | 17414 |
| Magnetic mounting on Ecoplaque for Ecofix 500                      | 17412 |
| Magnetic mounting on Ecoplaque for Ecofix 700                      | 17415 |
| Magnetic mounting on Ecoplaque + cigar lighter plug for Ecofix 500 | 17413 |
| Magnetic mounting on Ecoplaque + cigar lighter plug for Ecofix 700 | 17416 |



12V/24V

### Single face triangle

|                         | Code  |
|-------------------------|-------|
| 500 Triangle - Class T1 | 18006 |
| 500 Triangle - Class T2 | 18008 |
| 700 Triangle - Class T1 | 18010 |
| 700 Triangle - Class T2 | 18012 |

### Double-sided triangle

|                         |       |
|-------------------------|-------|
| 500 Triangle - Class T1 | 18005 |
| 500 Triangle - Class T2 | 18007 |
| 700 Triangle - Class T1 | 18009 |
| 700 Triangle - Class T2 | 18011 |



- LED triangles with resin-embedded electronic unit for protection against vibrations, corrosion and short-circuits.
- Forward/back articulation using zinc plated hinges

## ELECTRIC RAISING SYSTEMS

WARRANTY  
3 YEARS

Electric raising increases the service life of the triangle and makes it easy to use and quick to set up. For slow-moving vehicles with service speeds of under 25 km/h.



## This option includes:

- A corrosion-resistant aluminium casing. This helps protect the triangle. It is delivered untreated or painted in your colours.
- An electric jack which is used to quickly set up the triangle from the driver's seat, whatever its position on the vehicle.
- The system includes a 4.5 m cable harness, control switch and mounting.
- Voltage: 12 V / 24 V



| 74 mm LED light triangle |                |       | RAL PAINTWORK         |          |          |           |
|--------------------------|----------------|-------|-----------------------|----------|----------|-----------|
| Triangle                 | Screen printed | Class | Untreated             | Amber    | White    | To be     |
|                          |                |       | RAL 2000              | RAL 9016 | RAL 9016 | specified |
| Triangle                 | Screen printed | Class | Code                  | Code     | Code     | Code      |
| 500                      | AK5            | T1    | 21460                 | 21446    | 21264    | 21244     |
|                          |                | T2    | 21164* <sup>24h</sup> | 21168    | 21037    | 21142     |
| 500                      | AK14           | T1    | 21814                 | CU       | CU       | 20726     |
|                          |                | T2    | 23673                 | CU       | CU       | 20865     |
| 700                      | AK5            | T1    | 21823                 | 21180    | 20310    | 21344     |
|                          |                | T2    | 21165* <sup>24h</sup> | 21166    | 20568    | 21248     |
| 700                      | AK14           | T1    | CU                    | CU       | CU       | CU        |
|                          |                | T2    | 26464                 | CU       | CU       | 21144     |

Adhesive fixings as an option: 24224

\* 24 hour delivery

AK5: Roadwork ahead

AK14: Danger

CU: Consult us



## ADHESIVE UNIVERSAL SIGNALLING BARS (U.S.B.)

WARRANTY  
3 YEARS

## U.B.S. 2 LIGHTS

Metal mounting length: 1.20m • Corrosion treatment  
3 point adhesive • Installation on all types of vehicle  
Supplied with 6 m cable harness, switch and fuse

## MANUALLY RAISED U.B.S. TRIANGLE

Ecoplaque metal mounting • Corrosion treatment 3 point  
adhesive • Installation on any type of vehicle Supplied with  
4.5 m cable harness, switch and fuse System for manually locking  
and raising the triangle Supplied with double-sided AK5 triangle  
with 74 mm lights

## 2 light units

Bar with 2 amber rotating Gyroleds®

Bar with 2 amber flash Gyroleds®

## Code

22647

22648

|                      | Class T1 | Class T2 |
|----------------------|----------|----------|
| Triangle units       | Code     | Code     |
| Triangle 500 12V/24V | 23316    | 23317    |
| Triangle 700 12V/24V | 23318    | 23319    |



## ADHESIVE UNIVERSAL SIGNALLING BARS (cont'd)

WARRANTY  
3 YEARS

## U.S.B. WITH MANUALLY RAISED TRIANGLE AND 2 LIGHTS

- Metal mounting length:  
1.20 m for one triangle and two lights / 0.80 m for one triangle and one light
- Corrosion treatment - Three-point adhesive
- Installation on all types of vehicle supplied with 6 m cable harness, switch and fuse
- System for manually locking and raising the triangle

Supplied with double sided triangle (AK5) with LED lights of a diameter of 74 mm (Dual voltage for all-LED models)



## Set of one triangle and one light

The triangle is positioned on the driver side and the light in the middle (len. 0.80 m)

Amber rotating Gyroled®

Amber flash Gyroled®

## Set of one triangle and two lights

(length: 1.20 m)

Amber rotating Gyroled®

Amber flash Gyroled®

## 500 Triangle

## 700 Triangle

| Class T1 | Class T2 | Class T1 | Class T2 |
|----------|----------|----------|----------|
| 22532    | 22544    | 22533    | 22545    |
| 22534    | 22546    | 22535    | 22547    |

| Class T1 | Class T2 | Class T1 | Class T2 |
|----------|----------|----------|----------|
| 22538    | 22550    | 22539    | 22551    |
| 22540    | 22552    | 22541    | 22553    |

## U.S.B. WITH ELECTRICALLY RAISED TRIANGLE AND 2 LIGHTS

- Aluminium casing and mounting, untreated colour, adhesive
- Installation on any type of vehicle
- Supplied with 6 m cable harness, switch and fuse
- Supplied with double-sided triangle (AK5) with 74 mm diameter led lights
- The casing can optionally be painted. Please consult us.

## Set of one triangle and two lights

(length: 1.20 m)

Amber rotating Gyroled®

Amber flash Gyroled®

## 500 Triangle

## 700 Triangle

| Class T1 | Class T2 | Class T1 | Class T2 |
|----------|----------|----------|----------|
| 22562    | 22574    | 22563    | 22575    |
| 22564    | 22576    | 22565    | 22577    |

AK5: Roadwork ahead



## QUICK MOUNT SIGNALLING BARS

WARRANTY  
3 YEARS

## QUICK MOUNT BAR



## Technical specifications:

- Anodised aluminium bar
- Maximum strength to a weight of 50 kg
- Black finish tip
- Electric connection masking strip
- Professional high adherence double-sided acrylic foam adhesive mountings
- Holding strength 350 N/mm2 on steel
- Untreated aluminium mounting leg - Flexible mounting that adapts to the curve of the vehicle roof
- Adjustable mounting to freely position the signalling elements on the bar
- For information about signalling components, please refer to the different sections (*Gyroled, triangle, search lights...*)



## Kit contents:

- 1 x anodised aluminium bar, 1.10m, 1.50m or 2.00m
- 3x professional high adherence adhesive mountings
- 1x connection cable harness 6m long (10m for 2.00m bars)
- 1 or 2 amber gyroleds (R65 - Class 1)
- 1x double-sided manually or electric pop-up triangle, switches, assembly instructions

## Available options:

- Amber Gyroled (R65 - Class 2), XL (R65 - Class 1), or XL (R65 - Class 2) or M130 (R65 - Class 2)
- 1x blue working light
- 1x work projector

## &gt; Manual triangle with 1 Gyroled®

| Lenght | Manual triangle | Symbol      | 1 x Gyroled | Code  |
|--------|-----------------|-------------|-------------|-------|
| 1,10m  | 500             | AK5 Class 1 | Rotating    | 28706 |
|        |                 |             | Flash       | 28707 |
|        |                 | AK5 Class 2 | Rotating    | 28712 |
|        |                 |             | Flash       | 28713 |
| 1,10m  | 700             | AK5 Class 1 | Rotating    | 28714 |
|        |                 |             | Flash       | 28715 |
|        |                 | AK5 Class 2 | Rotating    | 28716 |
|        |                 |             | Flash       | 28717 |
| 1,50m  | 500             | AK5 Class 1 | Rotating    | 28718 |
|        |                 |             | Flash       | 28719 |
|        |                 | AK5 Class 2 | Rotating    | 28720 |
|        |                 |             | Flash       | 28721 |
| 1,50m  | 700             | AK5 Class 1 | Rotating    | 28722 |
|        |                 |             | Flash       | 28723 |
|        |                 | AK5 Class 2 | Rotating    | 28724 |
|        |                 |             | Flash       | 28725 |
| 2,00m  | 500             | AK5 Class 1 | Rotating    | 28726 |
|        |                 |             | Flash       | 28727 |
|        |                 | AK5 Class 2 | Rotating    | 28728 |
|        |                 |             | Flash       | 28729 |
| 2,00m  | 700             | AK5 Class 1 | Rotating    | 28730 |
|        |                 |             | Flash       | 28731 |
|        |                 | AK5 Class 2 | Rotating    | 28732 |
|        |                 |             | Flash       | 28733 |

AK5: Roadwork ahead

**Easy to assemble  
bar kit,  
to adjust to  
your needs.**

We propose a mounting  
service, see  
"mounting option"  
table on page 100.

# EQUIPMENT FOR SERVICE VEHICLES

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> **Manual triangle with 2 Gyroleds®**



| Lenght | Manual triangle | Symbol      | 2 x Gyroled | Code  |
|--------|-----------------|-------------|-------------|-------|
| 1,10m  | 500             | AK5 Class 1 | Rotating    | 28734 |
|        |                 |             | Flash       | 28735 |
|        |                 | AK5 Class 2 | Rotating    | 28736 |
|        |                 |             | Flash       | 28737 |
| 1,10m  | 700             | AK5 Class 1 | Rotating    | 28738 |
|        |                 |             | Flash       | 28739 |
|        |                 | AK5 Class 2 | Rotating    | 28740 |
|        |                 |             | Flash       | 28741 |
| 1,50m  | 500             | AK5 Class 1 | Rotating    | 28742 |
|        |                 |             | Flash       | 28743 |
|        |                 | AK5 Class 2 | Rotating    | 28744 |
|        |                 |             | Flash       | 28745 |
| 1,50m  | 700             | AK5 Class 1 | Rotating    | 28746 |
|        |                 |             | Flash       | 28747 |
|        |                 | AK5 Class 2 | Rotating    | 28748 |
|        |                 |             | Flash       | 28749 |
| 2,00m  | 500             | AK5 Class 1 | Rotating    | 28750 |
|        |                 |             | Flash       | 28751 |
|        |                 | AK5 Class 2 | Rotating    | 28752 |
|        |                 |             | Flash       | 28753 |
| 2,00m  | 700             | AK5 Class 1 | Rotating    | 28754 |
|        |                 |             | Flash       | 28755 |
|        |                 | AK5 Class 2 | Rotating    | 28756 |
|        |                 |             | Flash       | 28757 |

**AK5:** Roadwork ahead

**Easy to assemble bar kit, to adjust to your needs.**

We offer a mounting service, see "Optional assembly" table on page 100.



> **Pop up triangle with 1 Gyroled®**



| Lenght | Pop up triangle | Symbol      | 1 x Gyroled | Code  |
|--------|-----------------|-------------|-------------|-------|
| 1,10m  | 500             | AK5 Class 1 | Rotating    | 28758 |
|        |                 |             | Flash       | 28759 |
|        |                 | AK5 Class 2 | Rotating    | 28760 |
|        |                 |             | Flash       | 28762 |
| 1,10m  | 700             | AK5 Class 1 | Rotating    | 28763 |
|        |                 |             | Flash       | 28764 |
|        |                 | AK5 Class 2 | Rotating    | 28766 |
|        |                 |             | Flash       | 28767 |
| 1,50m  | 500             | AK5 Class 1 | Rotating    | 28768 |
|        |                 |             | Flash       | 28769 |
|        |                 | AK5 Class 2 | Rotating    | 28770 |
|        |                 |             | Flash       | 28771 |
| 1,50m  | 700             | AK5 Class 1 | Rotating    | 28772 |
|        |                 |             | Flash       | 28773 |
|        |                 | AK5 Class 2 | Rotating    | 28774 |
|        |                 |             | Flash       | 28775 |
| 2,00m  | 500             | AK5 Class 1 | Rotating    | 28776 |
|        |                 |             | Flash       | 28777 |
|        |                 | AK5 Class 2 | Rotating    | 28778 |
|        |                 |             | Flash       | 28779 |
| 2,00m  | 700             | AK5 Class 1 | Rotating    | 28780 |
|        |                 |             | Flash       | 28781 |
|        |                 | AK5 Class 2 | Rotating    | 28782 |
|        |                 |             | Flash       | 28783 |

AK5: Roadwork ahead

**Easy to assemble bar kit, to adjust to your needs.**

We offer a mounting service, see "Optional assembly" table on page 100.



# EQUIPMENT FOR SERVICE VEHICLES

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> **Pop up triangle with 2 Gyroled®**



| Lenght | Pop up triangle | Symbol      | 2 x Gyroled | Code  |
|--------|-----------------|-------------|-------------|-------|
| 1,10m  | 500             | AK5 Class 1 | Rotating    | 28784 |
|        |                 |             | Flash       | 28785 |
|        |                 | AK5 Class 2 | Rotating    | 28786 |
|        |                 |             | Flash       | 28787 |
| 1,10m  | 700             | AK5 Class 1 | Rotating    | 28788 |
|        |                 |             | Flash       | 28789 |
|        |                 | AK5 Class 2 | Rotating    | 28790 |
|        |                 |             | Flash       | 28791 |
| 1,50m  | 500             | AK5 Class 1 | Rotating    | 28792 |
|        |                 |             | Flash       | 28793 |
|        |                 | AK5 Class 2 | Rotating    | 28794 |
|        |                 |             | Flash       | 28795 |
| 1,50m  | 700             | AK5 Class 1 | Rotating    | 28796 |
|        |                 |             | Flash       | 28797 |
|        |                 | AK5 Class 2 | Rotating    | 28798 |
|        |                 |             | Flash       | 28799 |
| 2,00m  | 500             | AK5 Class 1 | Rotating    | 28800 |
|        |                 |             | Flash       | 28801 |
|        |                 | AK5 Class 2 | Rotating    | 28802 |
|        |                 |             | Flash       | 28803 |
| 2,00m  | 700             | AK5 Class 1 | Rotating    | 28804 |
|        |                 |             | Flash       | 28805 |
|        |                 | AK5 Class 2 | Rotating    | 28806 |
|        |                 |             | Flash       | 28807 |

**AK5:** Roadwork ahead

**Easy to assemble bar kit, to adjust to your needs.**

We offer a mounting service, see "Optional assembly" table on page 100.



> **Bar only**

| Lenght | 2 x Gyroled | Code  |
|--------|-------------|-------|
| 1,10m  | Rotating    | 28875 |
|        | Flash       | 28878 |
| 1,50m  | Rotating    | 28876 |
|        | Flash       | 28879 |
| 2,00m  | Rotating    | 28877 |
|        | Flash       | 28880 |



**Quick mount bar  
with Gyroled M130  
Class 2 option**

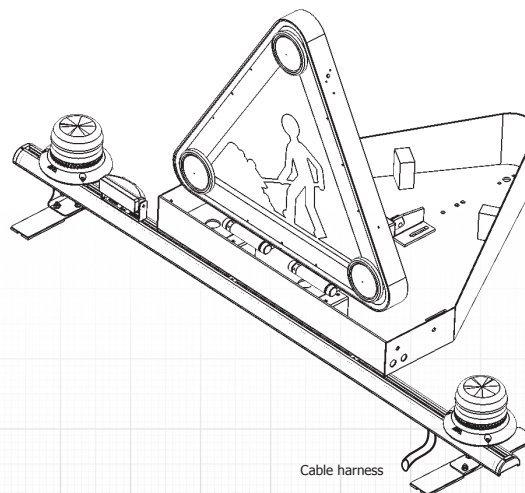
**Easy to assemble bar kit, to adjust to your needs.**

We offer a mounting service, see "Optional assembly" table above, page 100.

**The drawing opposite shows  
our standard mounting:**

- Top of the triangle towards the front of the vehicle
- Cable harness on the right, on the passenger side

> If you require a different mounting, please indicate it on your order.



Cable harness



## EQUIPMENT FOR SERVICE VEHICLES

>mercura.eu - +33 (0)2 54 57 52 52

### > Services and options available for the bar by itself, either manual or pop-up

| Additional services (for 1 light)                              | Rotating    | Flash       |
|--|-------------|-------------|
|  | <b>Code</b> | <b>Code</b> |
| <b>Gyroled</b> amber Class 1 XL                                | 28808       | 28855       |
| <b>Gyroled</b> M130 amber Class 2                              | 30265       | 30266       |
| <b>Wintering lights</b> (Gyroled Class 2 CETMEF on Pipe-mount) | -           | 28811       |
|  | <b>Code</b> |             |
| <b>Searchlight</b>   | 28812       |             |
| <b>Casing paintwork</b>  | CU          |             |

CU: Consult us

| Optional assembly                            | Lenght | Code  |
|--|--------|-------|
| <b>Quick mount bar - Manually raised</b>     | 1,10m  | 28922 |
|  | 1,50m  | 28923 |
|  | 2,00m  | 28924 |
| <b>Quick mount bar - Electrically raised</b> | 1,10m  | 28925 |
|  | 1,50m  | 28926 |
|  | 2,00m  | 28927 |

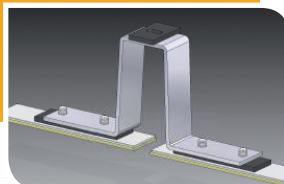
### > Raise option for quick mount bar

This raise option allows in some cases to offset rounded or tilted roofs or to use sunroof.

**The kit includes:**

- 2 risers to stick
- 1 ajustable leg for the third point

**Height:** 113 mm



**Code**

Raise option kit for quick mount bar

32185



## SIGNALLING BARS

WARRANTY  
3 YEARS

NEW

## SPECIAL CONVOY OR AGRICULTURAL CONVOY SIGNALLING SETS

- Combination of two elements which are compulsory under the French 4 May 2006 order
- Highly reflective micro prism and LED lighting technology
- Panel visibility over more than 300 m
- Panel can be folded away when not in use
- Easy to install and use
- Approved R65 Gyroled:  
reduced consumption and zero maintenance



## Technical specifications:

- Total unit dimensions:
  - unfolded (L x D x H): 1470 x 930 x 450 mm
  - folded (L x D x H): 1470 x 930 x 150 mm
- Amber rotating Gyroled - Class 1 on ISO base
- Weight: approx. 15 kg

- Structure in uncoated aluminium
- Double sided "**Special Convoy**" or "**Agricultural convoy**" aluminium panel
- Dimensions: 1100 x 400 mm
- Yellow Class B microprism film
- Maximum speed: 110 km/h\*
- Supplied with a 4.5 m cable harness and mountings (by drilling the roof)

## Name

## Code

Signalling set « **your text** »

CU

CU: Consult us



▲ **Text of your choice**  
available in many different languages  
> please consult us.

## EQUIPMENT FOR SERVICE VEHICLES

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### MOUNTING ELEMENTS

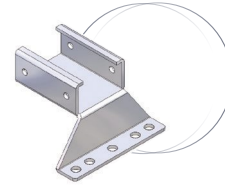
#### MOUNTINGS ONLY WITH FASTENINGS

Set of two mountings with fastenings for installation of Aluversel type aluminium bars

| Mounting sets                 | Code  |
|-------------------------------|-------|
| Master later than April 2010  | 26257 |
| Mounting by drilling the roof | 21009 |

#### ALUMINIUM BARS + PLUGS

| Lenght         | Code  |
|----------------|-------|
| 1,10 m + plugs | 21849 |
| 1,40 m + plugs | 21850 |
| 1,60 m + plugs | 21851 |
| 2,00 m + plugs | 21852 |



### ALUVERSEL MOUNTING KITS WITH BARS INCLUDED

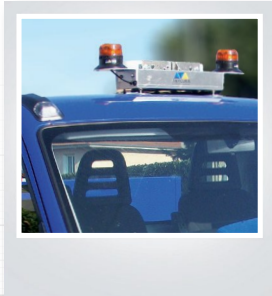
#### SINGLE MOUNTINGS BY DRILLING THE ROOF

| For all types of vehicle | Code  |
|--------------------------|-------|
| Fixinsert 1,10 m         | 20523 |
| Fixinsert 1,60 m         | 20750 |
| Fixinsert 2,00 m         | 17156 |
| Fixinsert 2,20 m         | 17157 |
| Fixinsert 2,50 m         | 17158 |

#### DOUBLE MOUNTINGS BY DRILLING THE ROOF

2 bars + 2 mounting sets + 2 twinning plates.

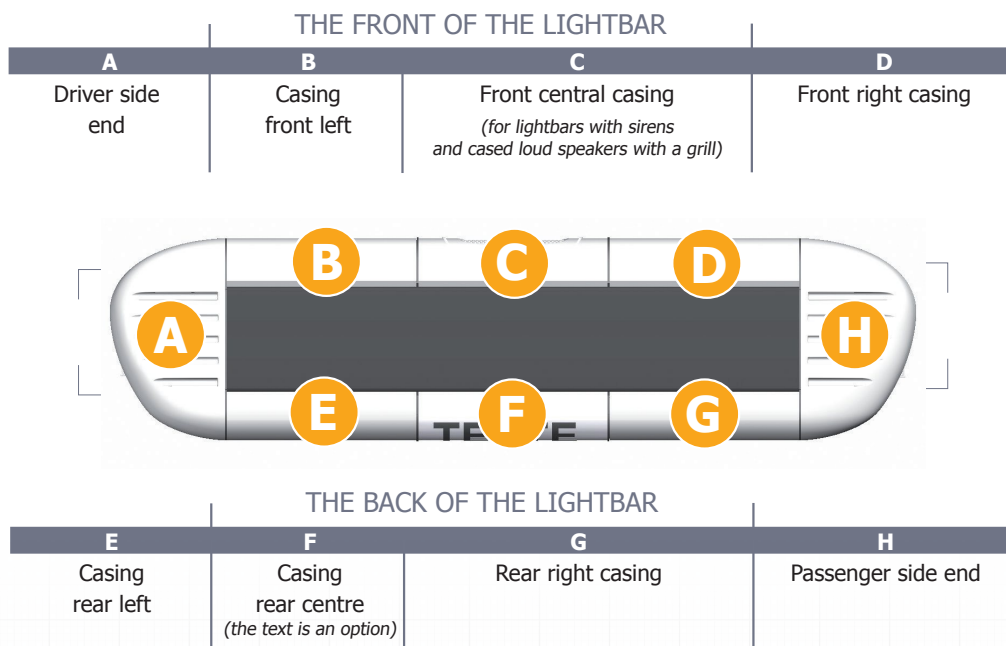
| For all types of vehicle | Code  |
|--------------------------|-------|
| Fixinsert 1,60 m         | 21241 |
| Fixinsert 2,00 m         | 17164 |
| Fixinsert 2,20 m         | 17165 |
| Fixinsert 2,50 m         | 17166 |



## "M" lightbar casing

### Technical specifications:

- A rust-proof anodised aluminium structure
- Polycarbonate casing: its high transparency and excellent impact resistance make polycarbonate the best material for the production of automotive lighting components.

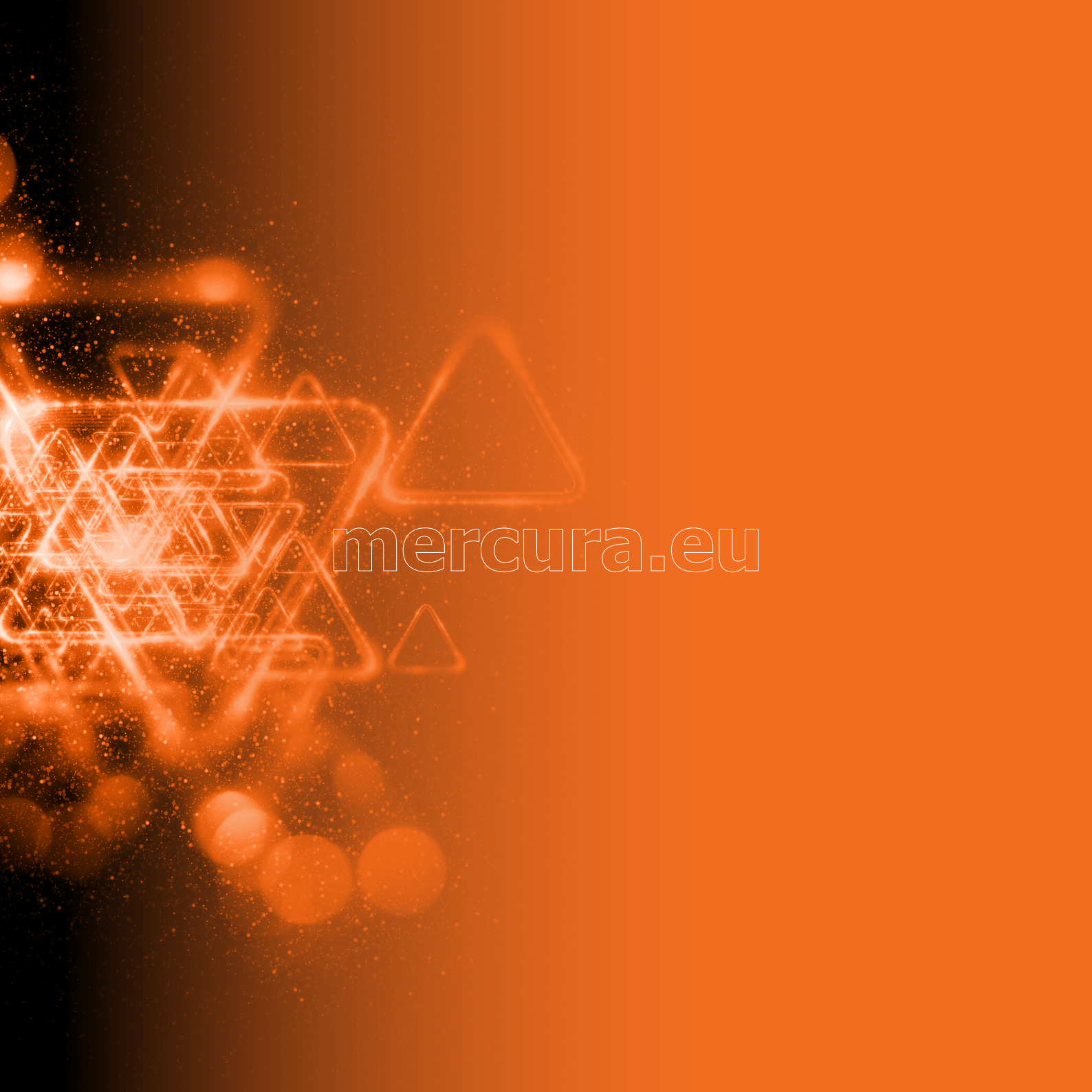


To identify the different M lightbar casings, please consult our web site

**>mercurea.eu**

*Technical documentation section*





[mercura.eu](https://mercura.eu)

# 4

## Roof systems



|  |     |
|--|-----|
| Emergency 23 light arrow - <b>ZENO range</b> .....                     | 107 |
| Emergency 15 lights arrow.....   | 108 |
| 14 light arrow - <b>NORA range</b> .....                               | 109 |
| Variable Message Panel ( <i>without frame</i> ).....                   | 110 |
| Variable Message panel ( <i>with frame</i> ) - <b>AKIO range</b> ..... | 110 |
| Encased triangle 1000 or 1250.....                                     | 111 |
| Frame paintwork.....   | 112 |
| Product range technical information.....                               | 113 |
| Fire & Rescue 23 light emergency arrow - <b>ZENO range</b> .....       | 115 |
| Video kit for VMP and roof system.....                                 | 116 |
| Topometer for encased units.....                                       | 116 |
| Maintenance sets.....  | 117 |



## REGULATIONS

**LIGHTS AND MESSAGE PANELS FROM OUR ARROWS COMPLY WITH EUROPEAN REGULATIONS.**

- **200mm lights**  
in compliance with class L8H (C1-F2-01-M2) according to the **EN 12352** standard.
- **300mm lights**  
in compliance with class L9M according to the **EN 12352** standard.
- **Message panels**  
in compliance with **EN 12966** standard

## SIGNALLING UNITS COMBINED

DELIVERY  
4  
WEEKS



- Light, strong aluminium unit:
  - Corrosion-resistant and recyclable
- Energy saving:
  - Option of having LEDs for all the lighting components
  - Built-in energy management
  - Multiplexed control
- Compact sized unit
- Fast delivery: 4 weeks from the order date
- MERCURA® quality
- Light power
- Safety
- Regulatory and approved: XP P 98-573 Standard



ENERGY SAVINGS  
**HIGHT BRIGHTNESS**

## EMERGENCY LIGHT ARROWS 23 LIGHTS (KR43)

WARRANTY  
2 YEARS

DELIVERY  
4  
WEEKS

| Frame L                        | VMP | Triangle | Code 12V | Code 24V |
|--------------------------------|-----|----------|----------|----------|
| ELA 23 LIGHTS<br>(KR41 - KR43) | -   | -        | 25601    | 25602    |
|                                | 200 | -        | 25603    | 25604    |
|                                |     | 1000     | 25605    | X        |
|                                |     | 1250     | 25607    | X        |
|                                |     | -        | 25609    | 25610    |
|                                | 250 | 1000     | 25611    | X        |
|                                |     | 1250     | 25613    | X        |
|                                |     | -        |          |          |

| Options   | Code  |
|---|-------|
| Standard blue   | 24908 |
| Winter blue   | 24909 |
| 300 mm warning flash lights                                   | 24925 |
| Safety - Protection of components against relative wind       | 25615 |
| Two LED work lights   | 25507 |
| Amber Gyroled Class 2   | 25616 |
| Gyroled Kombi (Amber rotating Class 2 and Blue flash Class 1) | 25617 |
| Video kit*  | 29707 |
| Topometer*  | 30180 |
| Anti-theft for encased unit*                                  | CU    |
| Amber Gyroled M130 Class 2 x 2 with supports                  | 30911 |

CU: Consult us

## FIRE AND RESCUE RESPONSE VEHICLES

### EMERGENCY LIGHT ARROWS WITH 23 LIGHTS

WARRANTY  
2 YEARS

DELIVERY  
4  
WEEKS

| Frame L       | TD | VMP | Code 12V | Code 24V |
|---------------|----|-----|----------|----------|
| ELA 23 lights | No | -   | 25651    | 25652    |
|               |    | 200 | 25653    | 25654    |
|               |    | 250 | 25655    | 25656    |

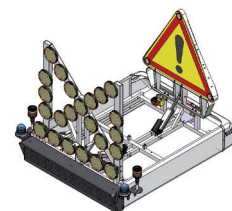
### LIMITED MESSAGE PANELS (6 MESSAGES)

| Frame L       | TD | PML | Code 12V | Code 24V |
|---------------|----|-----|----------|----------|
| ELA 23 lights | No | 200 | 25657    | 25658    |
|               |    | 250 | 25659    | 25660    |

TD: Traffic director

CU: Consult us

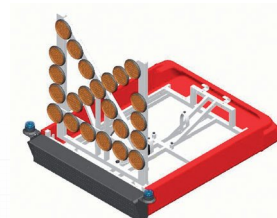
## PRODUCT RANGE ZENO



**L frame**  
Weight approx. 150 kg



**Emergency luminous  
arrows**





## EMERGENCY LIGHT ARROWS 15 LIGHTS

WARRANTY  
2 YEARS

DELIVERY  
4 WEEKS



- **Aluminium unit:** light and strong, corrosion-resistant and recyclable
- Compact sized unit
- Graphic screen control
- Light power and Mercura quality
- Safety, very low wind resistance
- **features:** left and right arrow, cross and scrolling (with option KR41 traffic director)



### Specifications:

#### • Frame:

All frames and protective casings are made of aluminium  
The deflectors and casings of the units are painted with automotive paint.  
**The following colours are available as standard:** Amber (RAL 2000), White (RAL 9016), Yellow (RAL 1016), Fire brigade red (RAL 3000).

**Consult us for more colour options.**

#### • Arrow:

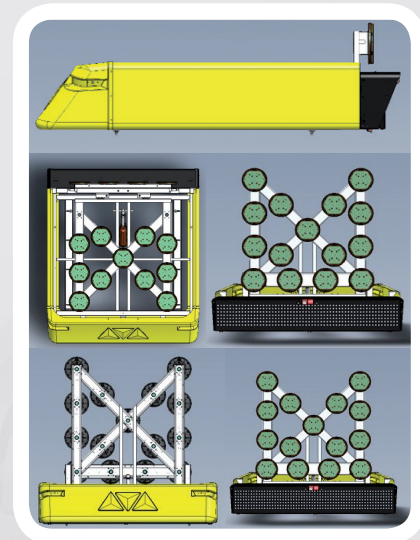
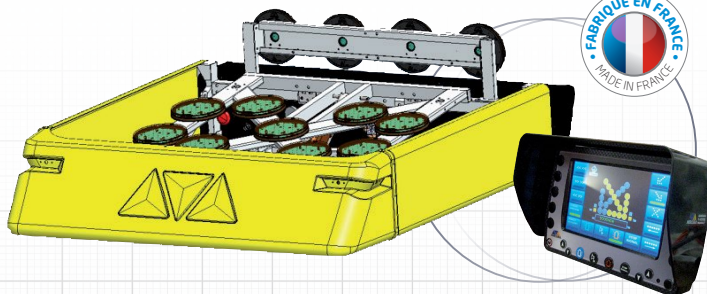
- Power supply 12 V or 24 V
- 15 x 200 mm LED lights
- 200 mm lights compliant with **EN 12352**

#### • Light specifications:

- Light dimensions: 225 x 55 mm
- Weight : 400 g
- Certification: EN 12352 – compliant with the standard L8H – Class C1 – F2 – O1- M2
- **12 V model consumption:** 0,6A fixed and 0,3A flashing
- **24 V model consumption:** 0,23A fixed and 0,11A flashing
- Light power in candelas: 2100Cd (required standard minimum: 1500Cd)
- Operating temperature: -40°C to +85°C
- Raised by an electric jack
- Day/night adjustment of light intensity

#### Options:

- KR41 pre-warning traffic director (4 x 200 mm LED lights) for scrolling (see drawing)
- 200 mm Variable Message Panel dimensions: 1558 x 294 x 200 mm
- Amber Gyroled Class 1 or Class 2, rotating or flashing
- R65 approved



## 14 LIGHT ARROWS

WARRANTY  
2 YEARS

DELIVERY  
4  
WEEKS

### WITH VARIABLE MESSAGE PANELS

| Frame L                 | VMP | Triangle | Code 12V | Code 24V |
|-------------------------|-----|----------|----------|----------|
| ELA 14 LIGHTS<br>(KR42) | 200 | -        | 25627    | 25628    |
|                         |     | 500      | 25629    | 25630    |
|                         |     | 700      | 25631    | 25632    |
|                         | 250 | -        | 25633    | 25634    |
|                         |     | 500      | 25635    | 25636    |
|                         |     | 700      | 25637    | 25638    |

### WITH LIMITED MESSAGE (6 MESSAGES) PANELS

| Frame L                 | VMP | Triangle | Code 12V | Code 24V |
|-------------------------|-----|----------|----------|----------|
| ELA 14 LIGHTS<br>(KR42) | 200 | -        | 25639    | 25640    |
|                         |     | 500      | 25641    | 25642    |
|                         |     | 700      | 25643    | 25644    |
|                         | 250 | -        | 25645    | 25646    |
|                         |     | 500      | 25647    | 25648    |
|                         |     | 700      | 25649    | 25650    |

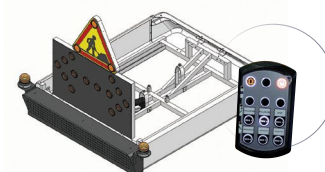
### "M" FRAME

|                         | Triangle | Code 12V | Code 24V |
|-------------------------|----------|----------|----------|
| ELA 14 LIGHTS<br>(KR42) | -        | 25621    | 25622    |
|                         | 500      | 25623    | 25624    |
|                         | 700      | 25625    | 25626    |

| Options   | Code  |
|---|-------|
| Standard blue   | 24908 |
| Winter blue   | 24909 |
| Two LED work lights   | 25507 |
| Amber Gyroled Class 2   | 25616 |
| Safety - Protection of components against relative wind       | 25615 |
| Gyroled Kombi (Amber rotating Class 2 and Blue flash Class 1) | 25617 |
| Video kit*  | 29707 |
| Topometer*  | 30180 |
| Anti-theft for encased unit*                                  | CU    |
| Amber Gyroled M130 Class 2 x 2 with supports                  | 30911 |

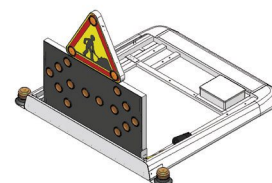
\* For units with VMP only. **CU:** Consult us

## PRODUCT RANGE NORA



**L frame**

Weight approx. 95 kg



**M frame**

Weight approx. 70 kg



## MESSAGE PANELS WITH FRAME

WARRANTY  
2 YEARS

DELIVERY  
4 WEEKS

### VARIABLE MESSAGES



| Frame | VMP | Triangle | Code 12/24V |       |
|-------|-----|----------|-------------|-------|
| S     | 160 | -        | 25701       |       |
|       |     | 500      | 25702       |       |
|       |     | 700      | 25703       |       |
|       | 200 | -        | 25704       |       |
|       |     | 500      | 25705       |       |
|       |     | 700      | 25706       |       |
| L     | 200 |          | 12V         | 24V   |
|       |     | 1000     | 25707       | X     |
|       |     | 1250     | 25709       | 25710 |
|       | 250 | 1000     | 25711       | X     |
|       |     | 1250     | 25713       | 25714 |

### LIMITED (6 MESSAGES) MESSAGES

Also available  
for Fire and Rescue

| Frame | LMP | Triangle | Code 12/24V |       |
|-------|-----|----------|-------------|-------|
| S     | 160 | 500      | 25715       |       |
|       |     | 700      | 25716       |       |
|       | 200 | 500      | 25717       |       |
|       |     | 700      | 25718       |       |
| L     | 200 |          | 12V         | 24V   |
|       |     | 1000     | 25719       | X     |
|       |     | 1250     | 25721       | 25722 |
|       | 250 | 1000     | 25723       | X     |
|       |     | 1250     | 25725       | 25726 |

## MESSAGE PANELS WITHOUT FRAME

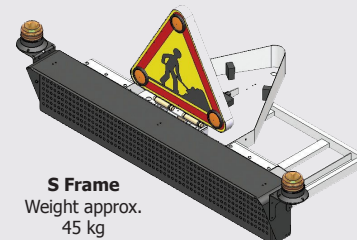
WARRANTY  
2 YEARS

DELIVERY  
4 WEEKS

| Size | Code  |
|------|-------|
| 160  | 25727 |
| 200  | 25728 |
| 250  | 25729 |

| Options   | Code  |
|---|-------|
| Screen printed AK14 1000 Class BP Prismatic                               | 25689 |
| Screen printed AK14 1250 Class BP Prismatic                               | 25690 |
| Standard blue   | 24908 |
| Winter blue   | 24909 |
| 300 mm warning flash lights (on 1250 mm Triangle)                         | 25618 |
| Safety - Protection of components from relative wind (Triangle 1000-1250) | 25615 |
| Two LED work lights   | 25507 |
| Amber Gyroled Class 2   | 25616 |
| Gyroled Kombi (Amber rotating Cl.2 and Blue flash Cl.1)                   | 25617 |
| Pipe-mounted Gyroled class 1  | 28198 |
| Video kit*  | 29707 |
| Topometer*  | 30180 |
| Anti-theft for encased unit*  | CU    |
| Amber Gyroled M130 Class 2 x 2 with supports                              | 30911 |
| Gyroled Amber Class 1   | 25699 |
| Gyroled Blue Class 1  | 25700 |
| Gyroled Amber Class 2   | 25616 |
| Gyroled Blue Class 2  | 25619 |

## PRODUCT RANGE AKIO



**S Frame**  
Weight approx.  
45 kg



**L frame**  
Weight approx.  
95 kg

**LMP Control panel**  
6 pre-defined messages



Weight approx. 20 kg  
For surface mounted installation,  
sold with a control panel.

\* For units with VMP only.

## 1000 or 1250 POP-UP ENCASED TRIANGLE

WARRANTY  
2 YEARS

DELIVERY  
4 WEEKS



### Specifications:

- 1000 mm or 1250 mm pop-up encased triangle
- Double-sided - 74 mm lights
- Screen-printed symbol AK14 (*danger*) or AK31 (*accident ahead*), class T2
- Day/night adjustment of light intensity by a twilight sensor
- 74 mm amber LED lights:
  - 964 candela photometry
  - Casing in untreated aluminium
  - Dimensions of the unit in mm (*height x width x depth*)

### 1000 mm triangle

- Deployed: 930 x 1030 x 985
- Folded: 150 x 1030 x 985

### 1250 mm triangle

- Deployed: 1243 x 1356 x 1276
- Folded: 230 x 1356 x 1276

### Option:

- RAL paint colour to be specified in the order  
Paint: Amber DDE (RAL2000), White (RAL9016), Yellow (RAL1016), Fire brigade red (RAL3000)  
For other colours: consult us for prices and lead times.  
According to RAL standard to be specified
- Rear beacons: Five 74 mm amber LED lights  
Warning mode, all the lights flash together
- Option to side-mount two blue or amber Gyroled®

### TRIANGLE 1000

| Symbol       | Beacons | Casing    | Voltage | Code  |
|--------------|---------|-----------|---------|-------|
| AK14 Class B | -       | Painted*  | 12-24V  | 23582 |
| AK31 Class B | -       | Painted*  | 12-24V  | 23583 |
| AK14 Class B | yes     | Painted*  | 12V     | 23584 |
| AK14 Class B | yes     | Painted*  | 24V     | 23585 |
| AK31 Class B | yes     | Painted*  | 12V     | 23586 |
| AK31 Class B | yes     | Painted** | 24V     | 23587 |

Option Fluorescent amber RAL 3024 paint

\* Standard paint (RAL 2000-3000-9016-1016)

### TRIANGLE 1250

| Symbol       | Beacons | Casing   | Voltage | Code  |
|--------------|---------|----------|---------|-------|
| AK14 Class B | -       | Painted* | 12V     | 24023 |
| AK5 Class B  | -       | Painted* | 12V     | 24024 |
| AK14 Class B | -       | Painted* | 24V     | 24025 |
| AK5 Class B  | -       | Painted* | 24V     | 24026 |
| AK14 Class B | Warning | Painted* | 12V     | 24027 |
| AK5 Class B  | Warning | Painted* | 12V     | 24028 |
| AK14 Class B | Warning | Painted* | 24V     | 24029 |
| AK5 Class B  | Warning | Painted* | 24V     | 24030 |

\* RAL standard paint

**AK5:** roadwork ahead

**AK14:** Danger

**AK31:** accident ahead

**Also available** for roadwork vehicles.



| Options pour triangle 1250 | Code  |
|----------------------------|-------|
| 2 blue Gyroleds            | 30193 |
| 2 amber Gyroleds           | 30194 |
| Screen printed AK 31       | 30195 |



## PAINTS

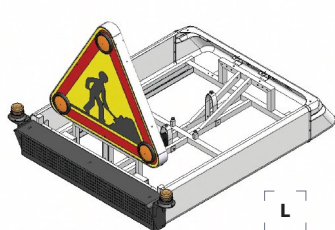
### STANDARD PAINTS

- **Amber** (RAL 2000)
- **White** (RAL 9016)
- **Yellow** (RAL 1016)
- **Red** (RAL 3000)

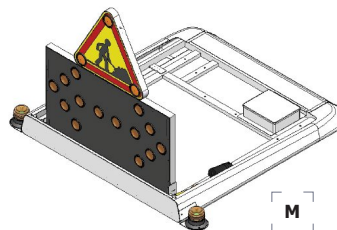
### FRAME TYPE

| Frame    | Other colours Code | Fluo amber Code |
|----------|--------------------|-----------------|
| <b>L</b> | 24334              | 24323           |
| <b>M</b> | 24333              | <b>CU</b>       |
| <b>S</b> | 24322              | <b>CU</b>       |

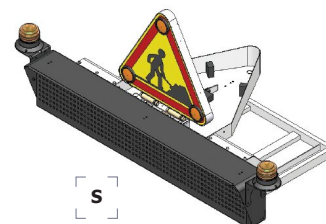
> Additional cost for other colours (RAL or manufacturer references) depending on the frame type



[ L ]



[ M ]



[ S ]

### SCROLLING LIGHTBAR UNIT AND WARNING TRIANGLE

#### Frame

Unit made of an aluminium frame, with optional automotive paint, an RDFL74 scrolling single side lightbar and a pop-up encased triangle.



RDF74 lightbar - front of vehicle



RDF74 - rear of vehicle

| Lenght | RDF74 lightbar           | Triangle |      |       | Colour               |       |
|--------|--------------------------|----------|------|-------|----------------------|-------|
| (cm)   | Lights                   | Symbol   | Size | Class | Frame RAL            | Code  |
| 150    | 2 rotating gyroleds      | AK5      | 500  | B     | White RAL 9016       | 23827 |
| 150    | 2 rotating gyroleds      | AK5      | 500  | B     | White RAL 9016       | 23855 |
| 110    | 2 rotating gyroleds      | AK5      | 500  | B     | Paint to be selected | 23871 |
| 150    | 2 rotating gyroleds      | AK5      | 700  | B     | Paint to be selected | 23923 |
| 150    | 2 flash gyroleds         | AK5      | 500  | B     | White RAL 9016       | 28671 |
| 110    | 2 rotating gyroleds      | AK5      | 700  | B     | Unpainted            | 28853 |
| 150    | 2 cl.2 rotating gyroleds | AK5      | 700  | B     | Paint to be selected | 28963 |
| 110    | 2 rotating avroleds      | AK5      | 700  | B     | Paint to be selected | 29203 |

AK5: roadwork ahead - CU : Consult us

# TECHNICAL INFORMATION

## CASING COLOUR

The deflectors and casings of the units are **painted using automotive paint**.  
The following colours are available as standard:  
Amber (RAL2000), White (RAL9016),  
Yellow (RAL1016), Fire brigade red (RAL3000).

## MOUNTINGS

All units are delivered without mountings. Mercura offers several mounting solutions:

- Specific mountings suitable for the most common vehicles on the market,
- Universal mountings with pads,
- Mounting by drilling the roof.

### Specific mountings suitable for the most common vehicles on the market.

|                            |                 | L1H1 | L1H2  | L2H2             | L2H3                    | L3H2  | L3H3           | L4H2            | CC    |
|----------------------------|-----------------|------|-------|------------------|-------------------------|-------|----------------|-----------------|-------|
| RENAULT<br>NISSAN<br>OPEL  | Master 3 (x62)  | L    |       | 30331<br>24660   | 30331<br>24660<br>29727 | 26276 | 30331<br>24661 | 26276<br>26582* | 30331 |
|                            |                 | S    |       | 30330            | 30330                   | 26173 | 30330          | 26173           | 30330 |
|                            |                 |      |       |                  |                         |       |                |                 | 28611 |
|                            |                 | L1H1 | L1H2  | L2H1             | L2H2                    |       |                |                 |       |
|                            | Traffic 3 (x82) | L    | 23479 | 31272**<br>25077 | 31272**<br>23479        | 23479 |                |                 |       |
|                            |                 | S    | 26754 | 31274**<br>25022 | 31274**<br>26754        | 26754 |                |                 |       |
| PEUGEOT<br>CITROEN<br>FIAT |                 | L0   | L1    | L2               | Girafon                 |       |                |                 |       |
|                            | Kangoo 2 (x61)  | S    |       | 29763            | 31266                   | 28214 |                |                 |       |
|                            |                 | L1H1 | L1H2  | L2H1             | L2H2                    | L3H2  | L3H3           | L4H2            | L4H3  |
|                            | Boxer           | L    | 23479 | 23479            | 23479                   | 23479 | 23479          | 23479           | 23479 |
|                            | Jumper (x2/50)  | S    | 26754 | 26754            | 26754                   | 26754 | 26754          | 26754           | 26754 |
|                            | Ducato          |      | Court | Long             | PLC                     | Combi | Girafon        |                 |       |
| IVECO                      | Partner         | S    | 31268 | 31268            |                         | 31268 | 31268          |                 |       |
|                            | Berlino (B9)    |      |       |                  |                         |       |                |                 |       |
|                            |                 | L1H2 | L2H2  | L1H3             | L2H3                    |       |                |                 |       |
| FORD                       | Daily           | L    | 23479 | 23479            | 23479                   | 23479 |                |                 |       |
|                            |                 | S    | 26754 | 26754            | 26754                   | 26754 |                |                 |       |
| FORD                       |                 | L1H1 | L1H2  | L2H1             | L2H2                    | L3H2  | L3H3           | L4H3            |       |
|                            | Transit >2014   | L    |       | 23479            | 23479                   | 23479 | 23479          | 23479           |       |
|                            |                 | S    |       | 26754            | 26754                   | 26754 | 26754          | 26754           |       |

| Name                         | Code  |
|------------------------------|-------|
| Individual mounting pad kit  | 25463 |
| Mounting pad kit for S frame | 25378 |
| Mounting pad kit for L frame | 25396 |
| Mounting pad kit for M frame | 26040 |

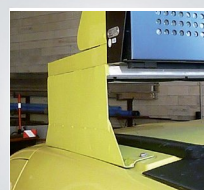
(Not recommended for the Ducato / Boxer / Jumper / Master family with S Frame)

\* Presence of a metal roller curtain at the rear

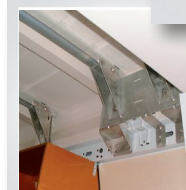
\*\* No drilling

All the frames and protective casings are manufactured in aluminium: lightweight, strong, rust-proof and **fully recyclable**. The range of combined signalling units is made up of 3 basic frames, with various possible combinations. Product range compliant with SETRA recommendations  
Operating temperature:  
-40 °C to +85°C

**DON'T HESITATE  
TO GET IN TOUCH WITH  
OUR ADVISERS  
IF YOU NEED MORE  
INFORMATION**



**Specific mountings**  
Kangoo Girafon



**Master H3 mounting**  
(For metal curtain)

### Mountings with pads:

- This solution is independent of the vehicle type.  
It is made by drilling the roof, with rubber reinforcements.

### The rubber elements have two functions:

- they spread the load of the mounting across the surface of the roof, avoiding possible shearing of the roof,
- they absorb vibrations and stress produced on the roof of the vehicle by the signalling unit.

## DIMENSIONS (in mm)

| Frame    | VMP | Width | Length | Height   | Vehicle      |
|----------|-----|-------|--------|----------|--------------|
| <b>L</b> | -   | 1560  | 2230   | 585-1680 | UV, HGV      |
| <b>L</b> | 200 | 1560  | 2227   | 585-1680 | UV, HGV      |
| <b>L</b> | 250 | 1967  | 2227   | 585-1680 | UV, HGV      |
| <b>M</b> | -   | 1456  | 1583   | 198-1294 | UV, HGV, LUV |
| <b>S</b> | 160 | 1260  | 860    | 522-893  | LUV          |
| <b>S</b> | 200 | 1560  | 860    | 505-893  | UV           |

**UV:** Utility Vehicles  
**LUV:** Light Utility Vehicles  
**HGV:** Heavy Goods Vehicles

## VARIABLE MESSAGE PANELS (VMP)

**The Mercuro range has 3 character sizes available:**  
**250 mm, 200 mm and 160 mm in compliance with regulations.**  
**XP P 98-573 Standard**

### VMP height of 250 and 200 mm:

- Continuous matrix with 10 cards, display of messages with words of up to 11 characters in regulatory format and 12 characters in compressed mode.

### VMP height of 160 mm:

- Continuous matrix with 9 cards, display of messages with words of up to 10 characters in regulatory format and 11 characters in compressed mode.

- Automatic day/night intensity adjustment,
- Black aluminium box, supplied with visor and deflector included,
- Model delivered with a 12-key control unit or graphic screen.

**VMP light power:** 12900 Candela/m2 (Daytime mode)  
 for 200 mm cards.

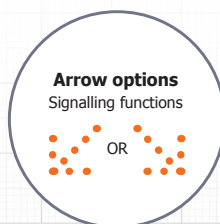
**Consumption of VMP unit:** 3.8A/12V  
 1.9 A/24V (Cards, modules and control panel:  
 for ten 200-mm cards, using the letter "B").

| Dimensions | Width | Height | Depth | Recommended use                 |
|------------|-------|--------|-------|---------------------------------|
| 160        | 1229  | 294    | 200   | Secondary roads                 |
| 200        | 1558  | 294    | 200   | Motorways and dual carriageways |
| 250        | 1935  | 294    | 200   | Motorways                       |



## EMERGENCY LIGHT ARROW (KR43)

- 23 200 mm LED lights – According to KR43 standard
- 200 mm lights compliant with standard NF EN 12 352
- Light consumption of 0.6 A at 12 V / 0.3 A at 24 V
- Light power in candelas: 2100 cd  
 (minimum required by the standard: 1500 cd)
- Light dimensions 200 mm: 225 mm x 55 mm -  
 Weight: 400 g
- 70 high intensity LEDs: amber C1 + C2
- Certification: EN 12352 - Compliant with the standard  
 L8H - Class C1 - F2 - O1- M2
- 12V model consumption: 0.6 A fixed  
 and 0.3 A when flashing,
- 24V model consumption: 0.22 A fixed  
 and 0.11 A flashing,
- Protection index: IP66



- Salt spray resistance
- Arrow dimension:  
 1280 x 1564 (width x height in mm)
- Raised by an electric jack
- Day/night adjustment of light intensity

### Arrow options:

- RHI strip: Retro-reflecting screen-printed symbol class 2  
 colour red and white, to increase the visibility of the arrow  
 when it is deployed,
- 300 mm diameter warning flash lights:  
 Strengthening of temporary signalling  
 Consumption of the arrow with 200 mm LED lights:  
 3.9 A/12V - 1.43 A/24V,  
 Consumption for 13 lights in flashing mode.

## PRE-WARNING TRAFFIC DIRECTOR (KR41)

Lightbar made up of six 200 mm LED lights

Scrolling type: **Scrolling bar**



## LED WARNING TRIANGLE

Available sizes: 500, 700, 1000, 1250

LED lights, double-sided, Class T2, electrically raised

### • 500 or 700 triangle:

Three Ø74-mm lights on each side of the triangle, Symbol AK5,

### • 1000 or 1250 triangle:

Three Ø74 mm lights on each side of the 1000 triangle, Symbol AK14,

Three Ø74 mm lights on each side of the 1250 triangle, Symbol AK14,

Please consult us for prices and delivery times of other AK designs.



## ARROW 14 LIGHTS (KR42)

- Dimensions (*Width x Height*): 1140 x 689 mm
- Solid black panel, pop-up
- Fourteen Ø74 mm LED lights
- Automatic Day/night light intensity adjustment for the lights using a twilight sensor

14-light arrow



## ROTATING LIGHTS

> All the units presented are equipped with **Gyroled® Mercura®**

## OTHER OPTIONS

### Standard blue option

This option includes the order and supply of 1 high flash Gyroled® and an ASA tone siren. It is intended for use on emergency response vehicles or winter maintenance vehicles (*category B*) with right of way.

### Permanent

Output powered as soon as the unit is powered on.





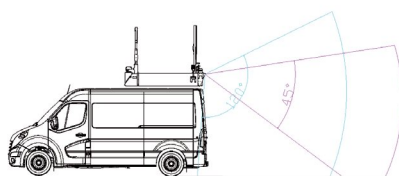
## VIDEO KIT for VMP and roof systems

Video system composed of 2 rear view cameras to secure workers, identify road users coming towards the vehicle and make trailer attachment manoeuvres easier.

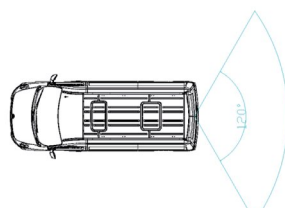
**Mercura proposes this system for response vehicles fitted with signalling units.**



- See behind vehicles to secure agents working
- **Long view:** to identify road users coming towards the response vehicle
- **Close view:** to protect agents or pedestrians outside the vehicle
- Make it easier to attach ERA or other trailers
- Night vision



Camera vertical angle of vision:  
Camera close vision 120° / Camera long vision 45°



Camera horizontal angle of vision: 120°

| Name   | Code  |
|--|-------|
| Video kit (manual start)   | 29707 |
| Option for video kit - video starts automatically when in reverse  | 30451 |
| Video kit with option - video starts automatically when in reverse | 31613 |

## TOPOMETER

*for encased units with XXL graphic facade*

**Add the Topometer function to your encased units fitted with the Mercura XXL graphic facade.**



- Quick connection, easy to use
- No sensors installed  
(data is collected from the vehicle's CAN network)
- Distance measurement function in forward and reverse
- Measurement of intervals for placing traffic cones, for example
- Compatible with **Mercura®** encased units (after 2012)<sup>1</sup>
- Electronic: EMC R10 Standard

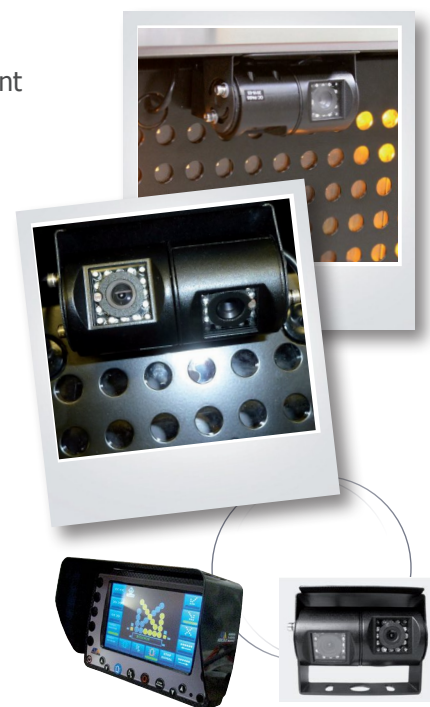
**Uses:**

- Topographical readings
- Site measurements
- Installation of temporary signage
- Road markings
- Road maintenance

| Name  | Code  |
|---|-------|
| Topometer option without XXL facade for Renault Master <sup>1</sup> | 30180 |

<sup>1</sup> Function compatible with **Renault Master 3**. For other types of vehicle, contact us.

**CU:** Consult us



## Maintenance sets for roof systems

### Permanently operational signalling!



Visual and audible signalling systems are essential for protecting people and vehicles that are using the public highway.

Mercura® proposes maintenance sets to monitor its products and to guarantee that they are permanently operational.

Based on our expertise of spare part turnover, and on the usage conditions for our products, the Mercura® engineers have determined the spare parts needed for the correct maintenance of signalling units and their speedy repair in the event of an incident or damage.

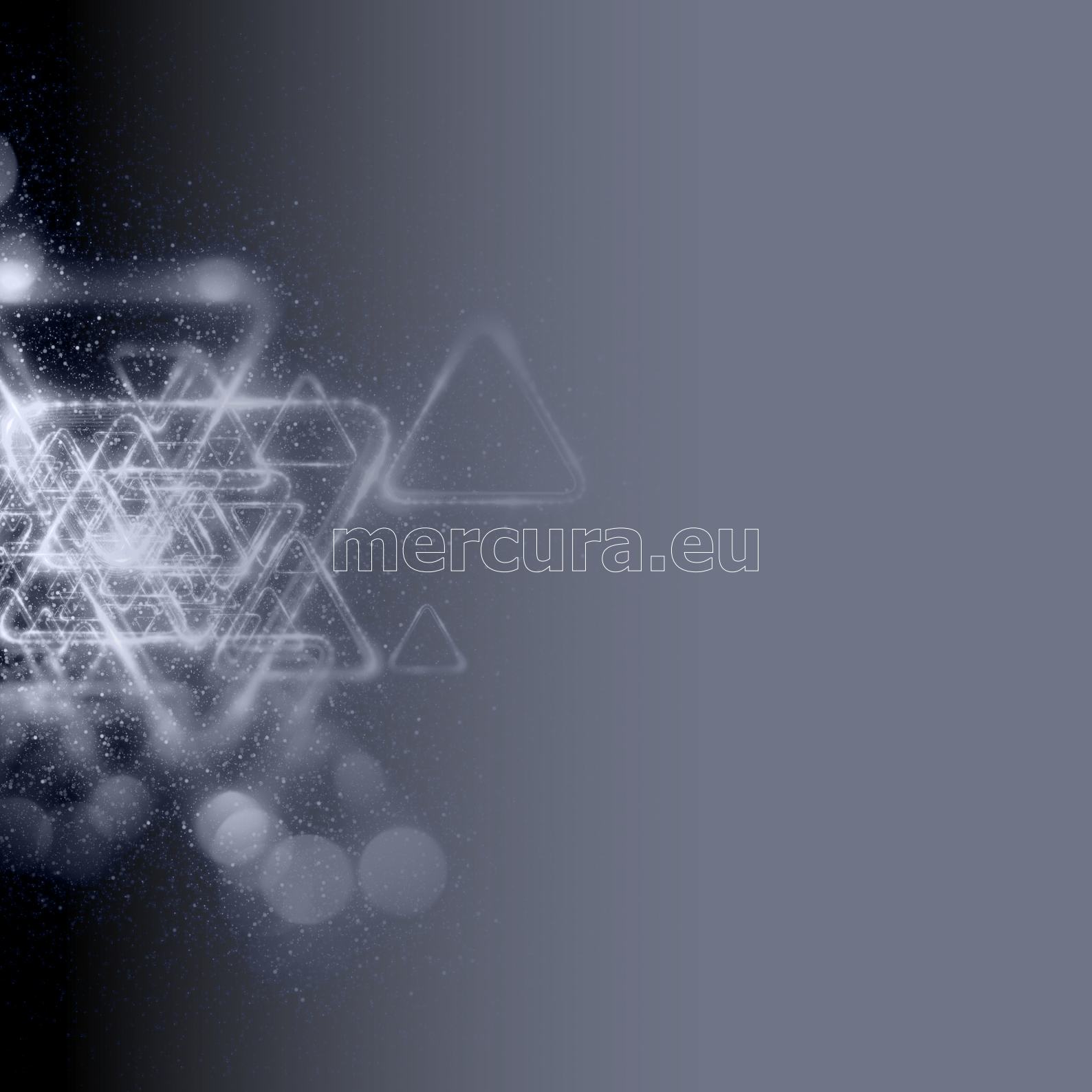
To view our different maintenance sets, please consult our web site  
**>mercura.eu** > *Technical documentation section*

### Removable casing panels

| Name                            | Code  |
|---------------------------------|-------|
| Frame front casing V2012        | 26954 |
| Right side casing L frame V2012 | 26955 |
| Left side casing L frame V2012  | 26956 |

\* Indicate the colour with the order





[mercura.eu](https://mercura.eu)

# 5

## Customer **service**



(+33) 2 54 702 702

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| General sales terms and conditions..... | 123 |





Light and audio signalling systems are essential for protecting people and vehicles that are using the public highway. They must therefore be operational at all times. To ensure the correct operation of its products, Mercura® offers a complete range of services: from installing the equipment to maintaining it.

## CUSTOMER SERVICE

### WHICH SERVICES DO YOU NEED?

#### Technical assistance



Request for assistance,  
technical issue,  
open an incident

#### Free documentation downloads



User manuals,  
wiring diagrams,  
maintenance software

#### Return a product



RMA Form  
to request to return a product  
(repair, replacement)

#### Service Point network



Discover our **Mercura®**  
network of approved service  
points and join us

#### Recycling



**Mercura®** proposes  
a waste management  
solution

#### Mercura® training



Discover all the  
**Mercura®** training courses

Opening hours

**Monday - Thursday:**  
8:30 - 12:00 and 13:30 - 17:00  
**Friday:**  
8:30 - 12:00 and 13:30 - 16:00

**Customer service**  
**+33 (0)2 54 702 702**

**E-mail**  
support@mercura.fr

**Web site**  
mercura.eu



**APPROVED TRAINING CENTRE,  
ACCOMPANIES YOUR STAFF IN THE SELECTION,  
INSTALLATION AND MAINTENANCE  
OF SIGNALLING PRODUCTS.**

**Mercura®** welcomes you to its  
La Chaussée Saint-Victor premises

#### TRAIN YOUR EMPLOYEES

The purpose of **MERCURA®** training courses is to increase their skills and general and technical knowledge of the installation and maintenance of signalling products.

The training courses available on our premises group together employees from all walks of life, facilitating teaching synergies and exchanges of experience.

#### THE TRAINING TEAM

In immersion mode, the trainees follow courses given by technician-instructors experienced in the different fields covered. The sessions are built around theory courses and hands-on training (*Use of software, wiring, etc.*).

#### TRAINING MATERIALS AT THE TRAINING CENTRE

At the core of the business, our approved training centre has its own classroom fitted with the appropriate equipment. This location allows for great flexibility in meeting your expectations via exchanges with the different departments, and especially technical support.

The proposed training courses cover knowledge from the definition of needs in order to be able to define specifications documents, to maintenance techniques, and including the design and development of signalling systems.

**Arnaud Kerros**  
Training manager



Datadock

**Indexed  
training  
organization**

#### DATADOCK

is the national and  
official database for  
training organizations.



# REGULATIONS

## These are specific regulations which should not be taken lightly!

Signalling devices for service vehicles working on public highways are subject to very strict and specific regulations.

If a vehicle is equipped with signalling devices that do not comply with these rules, the persons responsible for the vehicle fleet would be liable to prosecution in the event of an accident.

- Authorised products can be identified by an approval number which must appear on the actual product.
- The numbers and conditions under which signalling products have been validated and tested are indicated in a document issued by official bodies such as the UTAC in France.
- They comply with current French and/or European regulations.
- Applicable regulations in France: R65, Highway Code, Electromagnetic compatibility standard, French orders, etc.

**Don't hesitate to contact our sales advisers!**



Our products are approved by UTAC in France, in compliance with applicable notional and European regulations



## EUROPEAN STANDARDS AND APPROVALS

Our products comply with the following standards:

- **R65** for light
- **R10** for electronic
- **EN 12352** for lights from our frame units
- **EN 12966** for message panels



- Since 2003, Mercura® has an **ISO 9001** certification



- **Mercura® comply with the following approvals** : UTAC Technical Union of Automobile, Motorbike and Cycle, French organization in charge of vehicle tests and approvals.



- **TÜV** : German organization in charge of technical control and approvals



- **LNE** : National Laboratory of Metrology and Tests



- Each equipment have to be certified by these organizations



- Mercura® is certified Original Equipment Manufacturer by the main European car manufacturers (*Renault, Peugeot...*) as well as car body designer.

# GENERAL SALES TERMS AND CONDITIONS

## 1. GENERAL

These general sales terms and conditions are applicable, unless otherwise stated in writing, both to export and domestic sales by our Company (hereinafter "The Vendor"). Notwithstanding any measures to the contrary in the Buyer's general purchase terms and conditions, the acceptance of the Buyer's purchase order by the Vendor implies the acceptance by the Buyer of these sales terms and conditions. The purchase order shall therefore be governed by these General sales terms and conditions unless one or more contrary terms have been explicitly accepted by the Vendor.

The information on the commercial documents issued by the Vendor may be modified by the Vendor at all times without notice, in order to take into account technical evolutions or economic conditions.

Each time the Vendor supplies the Buyer with software, either separately, or combined with other products supplied by the Vendor, the use of this software is governed by the Licence terms and conditions for the Vendor's software applicable to this software.

All the terms indicated in these General sales terms and conditions, except for those in article 9.1, also apply to the supply of software insofar as they are compatible with the software Licence terms and conditions proposed by the Vendor. The General sales terms and conditions cease to apply if, in a previous purchase order, the Buyer failed to fulfil their duties. In this case a refusal to sell shall be validly put forward, unless the Buyer can provide sufficient guarantees or a cash payment. In the latter case, no discount will be granted.

## 2. PRICE

Prices are indicated "Ex works" (EXW Incoterms 1990), excluding all customs duties, taxes and other fees or public or para-public duties. Packaging is not included in the price: all instructions covering packaging, weight and customs formalities must be complied with by the Vendor, on condition that the Buyer has given its precise instructions reasonably in advance. The corresponding extra costs are to be borne by the Buyer. Prices are defined by the Vendor depending on the economic and financial conditions on the day of their proposal; these prices may be updated by the Vendor at all times to take into account any changes in these conditions.

## 3. DELIVERY

3.1 All lead times indicated by the Vendor are given as an indication only and shall only take effect on the day the Vendor issues the acknowledgement of receipt of the purchase order. Unless the Vendor explicitly accepts the contrary, no failed or late deliveries entitle to cancel the order, to compensation or to engage the Vendor's liability.

3.2 Unless an agreement to the contrary referring to other Incoterms is made, the delivery and the transfer of risks occur "At the works (Vendor's factory or warehouse)".

## 4. CONDITIONS FOR THE ACCEPTANCE OF DELIVERIES BY THE BUYER

4.1 If no specific technical specifications have been given by the Buyer and accepted by the Vendor, the Vendor specifications relative to the sold Products will be considered to be contractually binding. However, Products destined to be built into rescue systems are governed by the terms of article 9.2 below.

4.2 Any claims concerning product non conformity relative to specifications described in article 4.1 above must be formulated in compliance with the Vendor instructions as contained in the documents accompanying the products, failing which they shall not be accepted and the application of articles 4.3, 4.4 and 4.6 below shall be forfeited. In the event that these instructions were not to exist, any claim must be made within one month of the delivery date, failing which it shall not be valid.

4.3 If, after having tested the delivered products, the Buyer considers that a batch of delivered products is not compliant with the technical specifications described in article 4.1 above, they must inform the Vendor of the fact by letter, at the latest during the month following the delivery date. On expiry of this one month period, all products shall be considered to have been accepted. Following the agreement of the Vendor, the Buyer shall return the complete rejected batch. Any claims relative to a batch of defective products must meet all of the following four conditions to be accepted by the Vendor:

4.3.1 To each batch of allegedly defective products shall be attached the precise reason for the rejection and the results of the corresponding tests;

4.3.2 The return of the batch of products shall include all the original packing in good condition and at the Buyer's expense;

4.3.3 The Products must not have been damaged in any way, especially during storage, testing, assembly or removal; and

4.3.4 The Buyer must not have altered any of the products.

4.4 The terms of article 4.3 above will not apply to batches of products for which the acceptance has been carried out in the Vendor's factory or which have met the quality assurance procedures (such as the European C.E.C.C. system) and which are consequently considered to be compliant with specifications. No returns shall be accepted for these products.

4.5 If the Buyer requests a Certificate of Conformity from the Vendor, this certificate shall be drawn up according to local practice.

4.6 In the event of a claim under the terms of this article, the terms of article 9.1 below shall apply.

4.7 No purchase order cancellation for any reason shall be accepted if it occurs less than 90 days before the requested delivery date, unless the Vendor agrees in writing..

## 5. FORCE MAJEURE

None of the parties will be considered liable for a delay or a failure to perform their duties if it is due to any uncontrollable event such as: act of government, earthquake, fire, flooding, industrial action, riots, civil war, war (whether declared or not), recentness of Products or other unplanned manufacturing problems, government or civil service measures, incapacity to supply required materials (except where this incapacity results from negligence by the liable party or transport difficulties).

The rights and duties of the party falling victim to force majeure shall be extended on a day by day basis for a duration equal to that of the force majeure event. In order to benefit from the terms of this article, the party falling victim to a force majeure event must, as soon as it has knowledge of the event, notify the other party in writing of the occurrence, the origin and the cause of the force majeure event.

## 6. TRANSPORT - INSURANCE

The products travel at the Buyer's risk. On their arrival on site, the Buyer must check them and, if necessary, notify the transporters of any reserves within 2 (two) days following the receipt of the products. On special instructions from the Buyer the products can be insured by the Vendor, who, in this case, shall invoice the Buyer the corresponding extra insurance costs.

## 7. PAYMENT TERMS AND CONDITIONS

The products are payable at the Vendor's premises on receipt of the Vendor's invoice unless otherwise explicitly stated. The failure to pay an invoice on its due date authorises the Vendor, legally and without any prior notice, and without prejudice to any other proceedings, to suspend all deliveries, whatever the terms of the corresponding purchase order, until full payment of the price, to cancel any discounts that may have been granted to the Buyer on the said invoice, and finally to invoice the Buyer interest at least equal to one and a half times the legal rate. The Vendor reserves the right at all times to claim on all or part of a full or partial advance.

## 8. OWNERSHIP

THE VENDOR RETAINS OWNERSHIP OF THE PRODUCTS UNTIL THE FULL PAYMENT OF THEIR PRICE NOTWITHSTANDING ANY DELIVERIES TO THE BUYER.

The failure by the Buyer to meet a payment due date authorises the Vendor to request the return of the delivered products. Notwithstanding the above, the Buyer remains liable for any loss or damage that occurs after delivery.

## 9. WARRANTY

9.1 The Vendor guarantees that its products shall have the specifications defined in article 4.1 above, for a period of 1 (one) year from their delivery date. This guarantee shall not apply in the following cases:

- if the products have been damaged or if the Buyer did not store them in compliance with the specifications or contractual terms or suitable conditions; or
- if the products have been subjected to abnormal conditions (mechanical, electric or thermal) during their installation or use; or
- if the products have been subjected to a use in excess of their maximum capacities (temperature limits, maximum voltage, etc..) as defined by the Vendor; or
- if the Buyer has made an error in the choice of an application. The Vendor's guarantee is limited to the replacement or the return of the products recognised as being defective. The Vendor may not, under any circumstances, be held liable for the cost of the supply of substitute goods or services, for the loss of the use of data or the loss of profits or any other direct, indirect or consecutive damage occurring due to the sale, the use or the operation of any product, whether the Vendor has been notified of the possibility of the occurrence of such damage or not. Notwithstanding the above, the Vendor does not provide any guarantee, of any type, for experimental products that are undergoing development or have not been tested.

9.2 The Vendor explicitly declines all liability for the use of products in rescue devices or systems or life support systems. All products that are built into such systems or devices by the Buyer shall be built in at the Buyer's sole risk, even if the Vendor has been informed of this action. In all cases, the Vendor is only liable for the manufacture of the products in compliance with the technical specifications defined in article 4.1 above. The Buyer shall compensate the Vendor for any claims and damage that the Vendor may suffer following the inclusion by the Buyer of the products in life saving devices or systems.

## 10. INTELLECTUAL PROPERTY RIGHTS

Due to the complexity of electronic component manufacturing techniques and the associated intellectual property rights, the Vendor is not able to state that its products are free of any third party intellectual property rights.

In the event that a third party should take infringement proceedings relative to products delivered to the Buyer by the Vendor, the Vendor undertakes choose to to oppose such a claim, or to settle it at its own expense. If a final ruling were to be made against the Vendor, the Vendor shall have the choice of taking a licence for the claimant third party rights, or of modifying the products in order to avoid the infringement, or if either of these two solutions were to be impossible due to economic and/or technical reasons, the Vendor shall take back the delivered products and refund their purchase price. The above undertaking shall only apply if the Buyer immediately informs the Vendor in writing of any infringement claims relative to the products delivered by the Vendor.

Furthermore, the Vendor will not be held liable for the costs or expenses incurred by the Buyer without its authorisation, nor for the direct, indirect or consecutive damage that may result from any loss of use of the delivered products. The above terms are the complete Vendor's undertaking relative to the Buyer in the case of possible claims for infringement by a third party concerning the products delivered by the Vendor.

## 11. DISPUTES - GOVERNING LAW

Any dispute that has not been settled amiably shall be submitted to the Blois Commercial Courts, even in the event of third parties and multiple defendants. The governing law shall be French law. For the interpretation and performance of these General sales terms and conditions, the 1980 Vienna Convention is excluded.

## 12- CONTROL OF FINAL DESTINATION

The Buyer undertakes to comply with the terms of all applicable legislation and regulations in terms of the control of final destination of the delivered products.

## 13. PART-EXCHANGE CONDITIONS

A 20% of your order will be taken for administrative costs for each part-exchange material.





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