

/S/



/S/SAS/

/ Signs / Systems / Safety /



CATALOGUE 24/25



ZUCALÂNDIA





Over 40 years have passed since we have created Sisas. Intense years, full of road experience, the aim was to fulfil a dream: produce road safety signs to make the difference. This is a dream still with us, because protect who travels or works on the road is never enough!

In the 80s we entered in a young market and we wanted to offer a wide range of products, with attention to every details and to high quality, offering significantly faster production and delivery times than the standard one. In those years every businessman built his own success day by day, making use and experience of events and work processes but always loyal to their personal values with dedication and enthusiasm. After only a year and a half, we reached a balanced budget. An exceptional result, which gave solidity and thrust to invest, to catch and satisfy the needs of a country in transition in its infrastructures and with the aim to create diffused road network.

Today, as at that time, we pay particular attention to safety, work environment and technological innovation, ensuring excellent technical and qualitative requirements. Thirty years ago, these choices allowed us to obtain Ministerial Authorization No. 005 for the production of road signs: an important recognition for our company.

**Since that time, we have never stopped looking forward!**

We passed from 1 to 3 sites, from 200 to 9,000 square meters, from 3 to 130 employees, and to a constant growth of technical and sales assistants network. From safety signs we have rapidly expanded our offer by adding road signs, luminous signals, rubber products, as well as mirrors, accessories, and work-zones devices, up to the most advanced and complex monitoring and traffic control devices and interactive signages and sensors.

Today with our full range of products we can be the unique partner for all those who design, build or maintain any type of road and, in particular, the ideal partner for companies who also require specific skills and qualified consultancy.

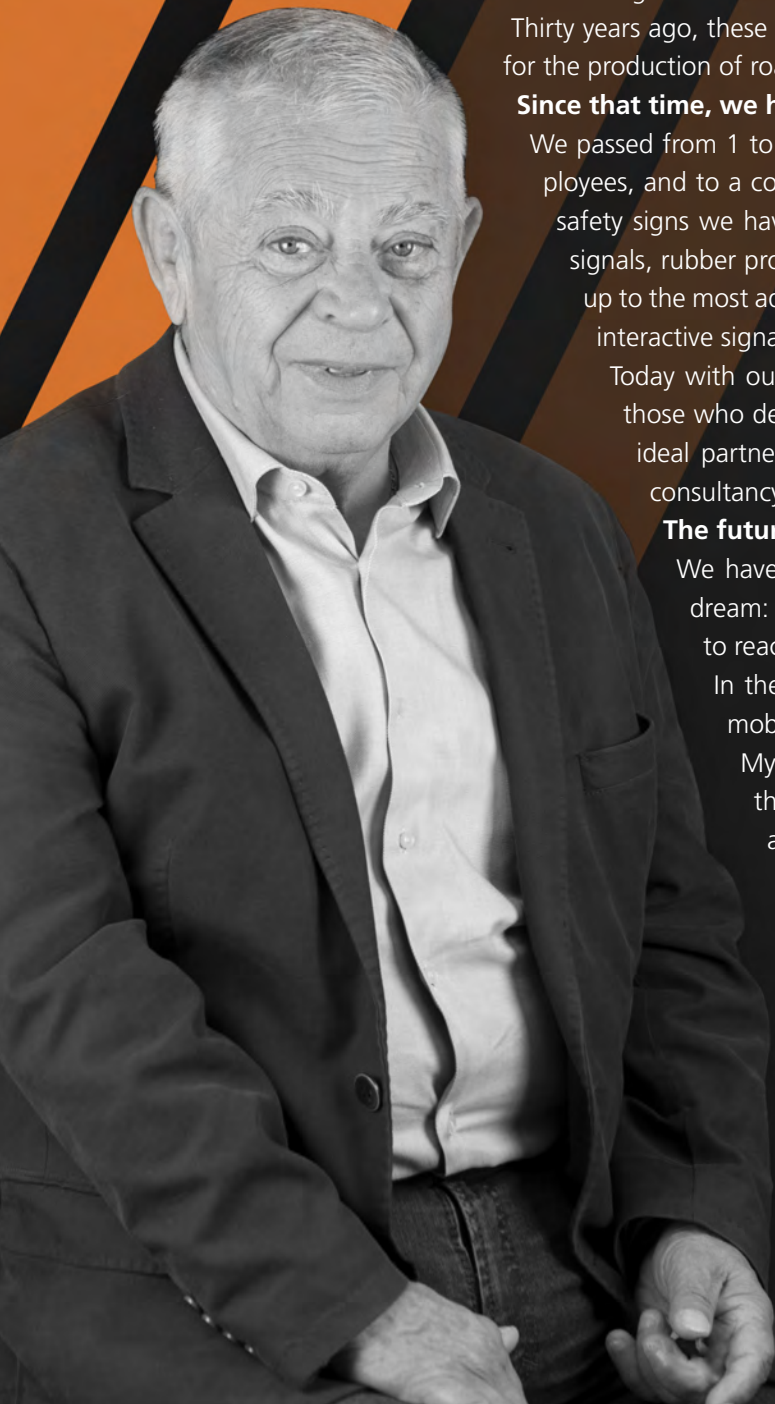
**The future is digital. We are ready!**

We have all the necessary technologies for this great and unchanged dream: make every citizen feels safer every time he travels on the road, to reach any destination.

In the future I imagine Sisas able to promote and create the "new mobility". Because we always look ahead!

My thanksgiving goes to the whole Sisas team, to the partners, to the assistants, to the customers and a best wishes for a light, safe and bright route.

The President  
Giovanni Battista Mario Pisticchia







**/S/SAS/**

**/ Signs / Systems / Safety /**



# LOOK FORWARD!



## VISION & MISSION

### On the road, we are looking forward, always

Sisas is today the landmark in the signs and road safety sector using its awareness and with 40 years of experience and successes, We are taking care of the present to build a future where people's life is better.

**Your journey will be a safe route thanks our work and our technologies.**

We are all traveling, every day, to make our dreams come true, for work, to bring our children at school or to share their passions.

We are traveling to visit a friend or relatives, for a holiday or simply for the pleasure to admire the beauty around us.

Our mission is to take care of the route you will take, making it safe and pleasant.

We want to take you everywhere you want to go.  
And to do this we must always look ahead.  
Always.

We want to create innovation, build intelligent systems, make technology at the service of safety, so that the road comes alive and communicates with the user.

**For 40 years, in Sisas, we have been thinking of roads that look ahead. Now let's do it together!**

*"Only those who will risk going too far can possibly find out how far one can go"*  
(Thomas Stearns Eliot)

GU  
AV





ARDA  
ANTI



# / Digital printing /

## **The road to digital:**

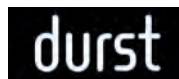
Technological innovation has radically changed the production methods of road signs. 40 years ago, all the signs were manually made. Screen printing and new cutting techniques, in addition to the use of numerical control plotters, made possible to optimize the production process which, even today, can be considered exclusive and handmade: they are, in fact, made **"unique pieces", for the needs of every type of road and territory.**

The peculiarity and uniqueness of each single piece and the need to always guarantee the highest quality standard, represented the main aim for Sisas S.p.A. The choice of **developing a "digital printing" of excellence**, has been integrated in a lean process (Lean Production TPS) that characterizes, enhances and optimizes all company processes and activities.

**Today, through printing and cutting plotter, it is possible to produce "unique pieces in series" with benefits in terms of huge production flexibility.** From a project created with special software, which responds to the colorimetric and dimensional characteristics in compliance with the regulations, the executive is prepared and the finished signal is created in a few minutes.

**We have selected the best technologies currently available in the market:**

- **3M (Digitai Printing) films, inks and film protectors**
- **DURST RHO 163 TS SERIES plotter**
- **ZUND G3 XL-3200 cutting plotter**



From the synergy of the top-of-the-range products of these three companies, world leaders in each of their sectors, and thanks to our experience and skills, **we are able to produce and offer signs with quality, compliance, technological innovation, durability, and certification.**

- **Class 1 : minimum guarantee 7 years** (UNI 11480 "lower performance level")
- **Class 2 : minimum guarantee 10 years** (UNI 11480 "basic performance level")
- **Class 2s: minimum guarantee 10 years** (UNI 11480 "superior performance level")

**With the 3M MCS Warranty for Traffic program, the warranty is extended up to 12 years** (in line with EN 12899-1) for the following types of films:

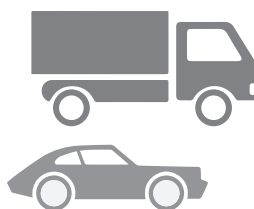
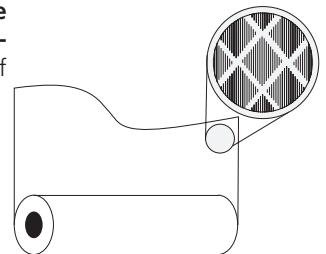
**3M™ High Intensity™ Prismatic 3930DS Series**  
**3M™ Diamond Grade™ DG3 Prismatic 4090DS Series**

**3M™ Diamond Grade™ DG3 Prismatic:** maximum yield for the greatest possible safety!

- **Longer duration** (guaranteed up to 12 years)
- **Better photometric yield** ("full cube corners" technology)
- **Greater reflectivity** than films with microspheres or trihedral microprisms
- **Greater perceptibility:** better detection, identification and reading from all distances

**3M™ Diamond Grade™ DG3 Prismatic Film is designed to be an effective wide angle reflective tool regardless of its orientation** on the media (vertical or horizontal) or final orientation of the installed sign.

**The "prism" structure gives greater reflection.**




**The particular cut involves only a part of the prisms and cusps (dead corners),** allowing the light to be reflected almost totally back, instead of dispersing, **guaranteeing the highest refractive characteristics and a very high visibility** in any condition of engagement of the signs and the driving position of any vehicle.








	
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## Extract of Safety Signs



Extract of Safety Signs **100/103**

/S/



# / Permanent Road Signs



/ The road is close to our hearts and our mission includes everything that makes it safer.

Sisas ensures the complete availability of solutions and products useful for meeting the requirements imposed by the Highway Code and we will support you wherever these needs cannot be overlooked.

In this section you will find useful information and tips for all road users, to protect them from the hazards that, despite all efforts, are present under normal driving conditions.

## Road Mirror "Icaro"



### Description:

They are used in low visibility conditions, especially at crossings, and inside of parkings, mounted on poles or on wall shelves.

### Strengths:

Increase the visibility, the mirror is resistant to hurts and crushings.

	<b>Dimensions (H / L / W):</b> box road mirror Ø 50 cm: 52 x 52 x 13 cm box road mirror Ø 60 cm: 62 x 62 x 13 cm box road mirror Ø 70 cm: 72 x 72 x 15 cm box road mirror Ø 80 cm: 82 x 82 x 19 cm box road mirror Ø 90 cm: 91 x 91 x 19 cm		<b>Weight:</b> Ø 50 cm: 2,5 kg / Ø 60 cm: 3,2 kg / Ø 70 cm: 4,3 kg / Ø 80 cm: 5,1 kg / Ø 90 cm: 6,3 kg
			<b>Construction materials:</b> polypropylene back body, aluminized acrylic front mirror
			<b>External surface treatments:</b> reflecting part in aluminized acrylic



<b>accessories</b>	Code: 909021006		

Code	Description
909021006	Wall shell with plate for mirror

Code	Description	Pallet
909035005	Road mirror "Icaro" Ø 50 cm	39 pcs
909035006	Road mirror "Icaro" Ø 60 cm	30 pcs
909035010	Road mirror "Icaro" Ø 70 cm	17 pcs
909035011	Road mirror "Icaro" Ø 80 cm	12 pcs
909035013	Road mirror "Icaro" Ø 90 cm	12 pcs

## Road Mirror "Tiziano"



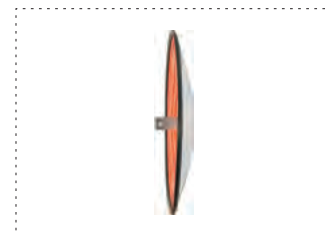
### Description:

They are used in low visibility conditions, especially at crossings, and inside of parkings, mounted on poles or on wall shelves.

### Strengths:

Made of plastic material which is resistant to the weathering. It can be installed on Ø 60 mm and 48 mm poles. Thanks to its lighter weight and to the low thickness, the mirror storage and transportation is reduced a lot.

	<b>Dimensions:</b> Road mirror box: 62 x 62 x 6,5 cm		<b>Construction materials:</b> polypropylene back body, the mirror surface is made of polymethylmethacrylate material
			<b>External surface treatments:</b> aluminized acrylic



<b>accessories</b>	Code: 909021006		

Code	Description
909021006	Wall shell with plate for mirror

Code	Description	Pallet
909035054	Road mirror "Tiziano" Ø 60 cm	51 pcs





# Road Mirror "Giotto"



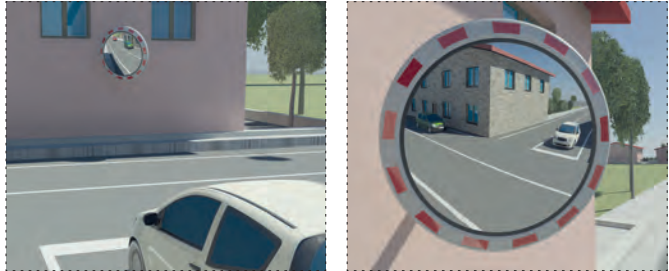
**Description:**

They are used in low visibility conditions, especially at crossings, and inside of parkings, mounted on poles or on wall shelves.

**Strengths:**

Increase the visibility, the mirror is resistant to hurts and crushings.

	<b>Dimensions (H / L / W):</b> box road mirror Ø 50 cm: 68 x 68 x 12 cm		<b>Weight:</b> Ø 50 cm: 3 kg / Ø 60 cm: 3,7 kg / Ø 80 cm: 6 kg / Ø 100 cm: 10 kg
	box road mirror Ø 60 cm: 73 x 73 x 11 cm		<b>Construction materials:</b> aluminium-plated acrylic with a black rubber gasket, the back body in high impact white material
	box road mirror Ø 80 cm: 93 x 93 x 11 cm		
	box road mirror Ø 100 cm: 113 x 113 x 19 cm		<b>External surface treatments:</b> reflecting part in aluminized acrylic



accessories

Code: 909021006

technical datasheet

Code	Description
909021006	Wall shell with plate for mirror

Code	Description	Pallet
909035074	Road mirror "Giotto" Ø 50 cm with reflective inserts	30 pcs
909035026	Road mirror "Giotto" Ø 60 cm with reflective inserts	30 pcs
909035027	Road mirror "Giotto" Ø 80 cm with reflective inserts	20 pcs
909035039	Road mirror "Giotto" Ø 100 cm with reflective inserts	8 pcs

# Road Mirror "Raffaello"







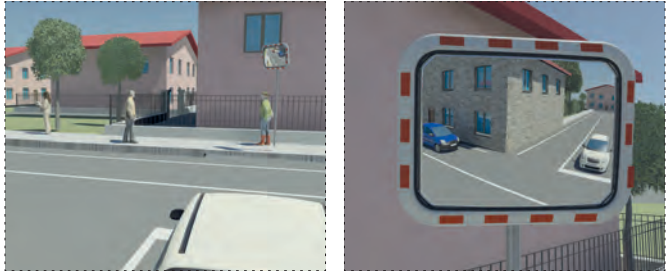
**Description:**

They are used in low visibility conditions, especially at crossings, and inside of parking, mounted on poles or on wall shelves.

**Strengths:**

Increase the visibility, the mirror is resistant to hurts and crushings.

	<b>Dimensions (H / L / W):</b> box road mirror 60x40 cm: 76 x 56 x 11 cm box road mirror 80x60 cm: 94 x 74 x 11 cm box road mirror 100x80 cm: 114 x 94 x 15 cm		<b>Construction materials:</b> aluminium-plated acrylic with a black rubber gasket, the back body in high impact white material
	<b>Weight:</b> 60x40 cm: 4 kg 80x60 cm: 5,5 100x80 cm: 8 kg		<b>External surface treatments:</b> reflecting part in aluminized acrylic
			



accessories

Code: 909021006

technical datasheet

Code	Description
909021006	Wall shell with plate for mirror

Code	Description	Pallet
909035030	Road mirror "Raffaello" 60x40 cm with reflective inserts	30 pcs
909035040	Road mirror "Raffaello" 80x60 cm with reflective inserts	20 pcs
909035041	Road mirror "Raffaello" 100x80 cm with reflective inserts	10 pcs



## Industrial Mirror "Archimede"



New rear support

### Description:

They are used in low visibility conditions, in dangerous spots in production areas or warehouses.

### Strengths:

Increase the visibility, the mirror is resistant to hurts and crushings.

## Industrial Mirror "Caravaggio"







New rear support

### Description:

They are used in low visibility conditions, in dangerous spots in production areas or warehouses.

### Strengths:

Increase the visibility, the mirror is resistant to hurts and crushings.




	<b>Dimensions (H / L / W):</b> box road mirror Ø 50 cm: 68 x 68 x 12 cm		<b>Weight:</b> Ø 50 cm: 3 kg / Ø 60 cm: 3,7 kg / Ø 80 cm: 6 kg / Ø 100 cm: 10 kg
	box road mirror Ø 60 cm: 73 x 73 x 11 cm		
	box road mirror Ø 80 cm: 93 x 93 x 11 cm		
	box road mirror Ø 100 cm: 113 x 113 x 19 cm		
			<b>External surface treatments:</b> reflecting part in aluminized acrylic



<b>accessories</b>	Code: 909021006		
			

Code	Description
909021006	Wall shell with plate for mirror

Code	Description	Pallet
909035076	Road mirror "Archimede" Ø 50 cm with reflective inserts	30 pcs
909035045	Road mirror "Archimede" Ø 60 cm with reflective inserts	30 pcs
909035050	Road mirror "Archimede" Ø 80 cm with reflective inserts	20 pcs
909035051	Road mirror "Archimede" Ø 100 cm with reflective inserts	8 pcs

	<b>Dimensions (H / L / W):</b> box road mirror 60x40 cm: 76 x 56 x 11 cm box road mirror 80x60 cm: 94 x 74 x 11 cm box road mirror 100x80 cm: 114 x 94 x 15 cm		<b>Construction materials:</b> aluminium-plated acrylic with a black rubber gasket, the back body in high impact yellow material
			
	<b>Weight:</b> 60x40 cm: 4 kg 80x60 cm: 5,5 100x80 cm: 8 kg		<b>External surface treatments:</b> reflecting part in aluminized acrylic



<b>accessories</b>	Code: 909021006		
			

Code	Description
909021006	Wall shell with plate for mirror

Code	Description	Pallet
909035044	Road mirror "Caravaggio" 60x40 cm with reflective inserts	30 pcs
909035043	Road mirror "Caravaggio" 80x60 cm with reflective inserts	20 pcs
909035042	Road mirror "Caravaggio" 100x80 cm with reflective inserts	10 pcs



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## Indoor Mirror

### "Tolomeo"







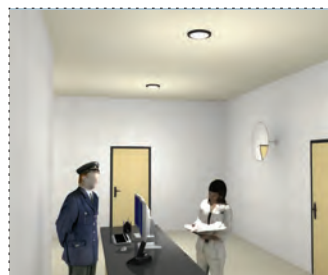
#### Description:

They are mainly used inside shops, stores and banks to increase the visibility in hide zones.

#### Strengths:

Easy to install and to remove, lightweight, it guarantees high visibility.

	<b>Dimensions (H / L / W):</b> box indoor mirror Ø 30 cm: 31 x 31 x 4 cm box indoor mirror Ø 40 cm: 41 x 41 x 5 cm box indoor mirror Ø 50 cm: 51 x 51 x 6 cm box indoor mirror Ø 60 cm: 61 x 61 x 6 cm box indoor mirror Ø 70 cm: 71 x 71 x 6 cm box indoor mirror Ø 90 cm: 91 x 91 x 8 cm		<b>Weight:</b> Ø 30 cm: 0,6 kg / Ø 40 cm: 0,95 kg / Ø 50 cm: 1,3 kg / Ø 60 cm: 1,7 kg / Ø 70 cm: 2,2 kg / Ø 90 cm: 4,3 kg
			<b>Construction materials:</b> made in aluminized acrylic material; the edges of the mirrors are made with black rubber gasket
			<b>External surface treatments:</b> mirror surface: aluminum treatment, for the protection of the mirror is applied a transparent film



Code	Description	Pallet
909035021	Indoor mirror "Tolomeo" Ø 30 cm	540 pcs
909035022	Indoor mirror "Tolomeo" Ø 40 cm	240 pcs
909035023	Indoor mirror "Tolomeo" Ø 50 cm	112 pcs
909035024	Indoor mirror "Tolomeo" Ø 60 cm	75 pcs
909035046	Indoor mirror "Tolomeo" Ø 70 cm	51 pcs

## Indoor Mirror

### "Leonardo"







#### Description:

They are mainly used inside shops, stores and banks to increase the visibility in hide zones.

#### Strengths:

Easy to install and to remove, lightweight, it guarantees high visibility.

	<b>Dimensions (H / L / W):</b> box indoor mirror 60 x 40 cm: 63 x 43 x 8 cm box indoor mirror 80 x 60 cm: 81 x 61 x 6 cm		<b>Construction materials:</b> made in aluminized acrylic; the edges of the mirrors are made with black rubber gasket
	<b>Weight:</b> 60x40 cm: 1,62 kg 80x60 cm: 2,35 kg		
			<b>External surface treatments:</b> mirror surface: aluminum treatment, for the protection of the mirror is applied a transparent film



Code	Description	Pallet
909035048	Indoor mirror "Leonardo" 60x40 cm	95 pcs
909035049	Indoor mirror "Leonardo" 80x60 cm	60 pcs



## Dome Mirror "Michelangelo"







### Description:

They are used to provide all-round vision for maximum safety in factories and warehouses. They can be mounted on the wall or suspended from the ceiling.

### Strengths:

Easy to install and to remove, lightweight, it guarantees high visibility.



	<b>Dimensions (D / W):</b> surveillance mirror Ø 60 cm: 60 x 60 x 20 cm		<b>Weight:</b> Ø 60 cm: 0,7 kg / Ø 70 cm: 1 kg / Ø 80 cm: 1,6 kg / Ø 90 cm: 1,7 kg /
	surveillance mirror Ø 70 cm: 70 x 70 x 26 cm		<b>Construction materials:</b> aluminium-plated acrylic reflecting mirror
	surveillance mirror Ø 80 cm: 80 x 80 x 28 cm		<b>External surface treatments:</b> mirror surface: aluminum treatment, for the protection of the mirror is applied a transparent film
	surveillance mirror Ø 90 cm: 90 x 90 x 34 cm		



Code	Description	Pallet
909012002	Dome Mirror Ø 60 cm	60 pcs
909012003	Dome Mirror Ø 70 cm	30 pcs
909012004	Dome Mirror Ø 80 cm	30 pcs
909012006	Dome Mirror Ø 90 cm	30 pcs

## Road Studs



### Description:




Very high effectivity reflector delineator used in paths and driveways, guidance lines, roundabouts and mountain roads.

### Strengths:




Increase the visibility, the mirror is resistant to hurts and crushings. Solid piece construction: "V" shape of galvanized sheet support, easy installation, greater durability.



### 909037052

	<b>Dimensions (H / L / W):</b> 12 x 7 x 7 cm Reflector 13,8 x 6 cm		<b>Construction materials:</b> Type R2 retroreflector Body material: Aluminum body + Galvanised metal Lens material: PMMA Color: Yellow
	<b>Weight:</b> 150 gr		

### 909037053

	<b>Dimensions (H / L / W):</b> 12 x 7 x 7 cm 2 Reflector 13,8 x 6 cm		<b>Construction materials:</b> Type R2 retroreflector Body material: Aluminum body + Galvanised metal Lens material: PMMA Color: Withe/Red
	<b>Weight:</b> 180 gr		

**Full range of road studs available**  
**Ask for more information**

Code	Description
909037052	Yellow road stud
909037053	Withe/Red road stud





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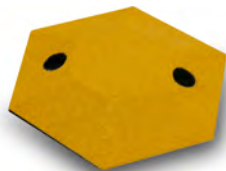
## Rubber Speed Stop

### Description:

They are used to show parking areas, to delimit lanes and in reserved traffic areas, replacing the parking yellow lines.

### Strengths:

Non-invasive, resistant to hurts and crushes from vehicles.



	<b>Dimensions (H / L / W):</b> 3 x 25 x 25 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> 1 kg		<b>External surface treatments:</b> application of elastoplastic yellow reflective insert

Code	Description
103800001	Rubber speed stop

## Rubber Car Stop

### Description:

It delimits parking area and parkings, protecting walls and vehicles from the hurts.

### Strengths:

Resistant to the hurts, to the weathering, it has a good visibility during the night because of the yellow inserts. It does not damage the vehicles.



	<b>Dimensions (H / L / W):</b> 8 x 35 x 11 cm 8 x 70 x 11 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> 35 cm: 1,80 kg 70 cm: 3,50 kg		<b>External surface treatments:</b> application of yellow reflective inserts



Code	Description	Pallet
115370112	Car Stop 8 x 35 cm	100 pcs
115370111	Car Stop 8 x 70 cm	100 pcs

## Rubber Angles Protector

### Description:

The protector is applied on the parking edges in order to protect the vehicles by accidental impacts, the installation is made using 6 screws.

### Strengths:

High elasticity rubber product, resistant to the hurts and to the weathering, good visibility and easy installation.



	<b>Dimensions:</b> 80x12,8x8 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> 2,2 kg		<b>External surface treatments:</b> application of 4 yellow reflective inserts

Code	Description
121100001	Rubber angles protector h 80 cm

## Parking Stop Lockable

### Description:

Folding bollard designed to prevent unauthorized parking of vehicles in private areas.

### Strengths:

Lockable in vertical position. Easy installation. Fixing to the ground using fixing screws.



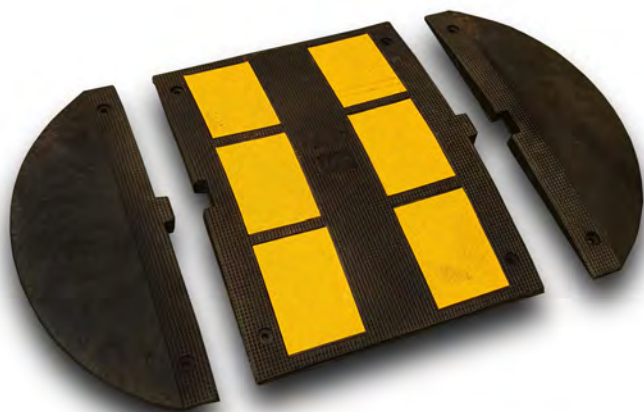
	<b>Dimensions (H / L / W):</b> h 43,5 x 57 x 16 cm telescopic pole: 50 x 2 x 4,4 cm		<b>Construction materials:</b> iron pipe Ø 40 mm; flat iron thickness 4 mm; tubular 3x2 and 2,5x1,5 cm
	<b>Peso:</b> 3,1 kg telescopic pole: 1 kg		<b>External surface treatments:</b> powder coating of red color

Code	Description
909002047	Red painted parking stop lockable
909002058	Telescopic pole

## h 3 cm Rubber Speed Moderator

(h 3 x 60 x 48 cm) **50**

4 Screws



### Description:

The device is mounted on streets where the speed limit is 50 km/h. It can be installed in all the places where you want to keep a moderate speed.

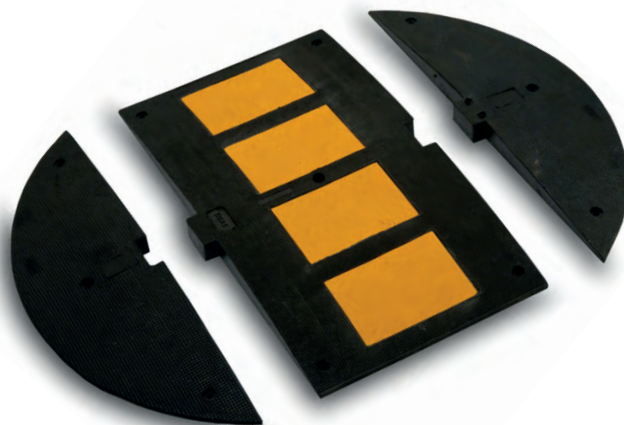
### Strengths:

Modular, elastic and resistant to the crushing, the yellow inserts guarantee high night visibility.

## h 5 cm Rubber Speed Moderator

(h 5 x 90 x 50 cm) **40**

5 Screws



### Description:

The device is mounted on streets where the speed limit is 40 km/h. It can be installed in all the places where you want to keep a moderate speed.

### Strengths:

Modular, elastic and resistant to the crushing, the yellow inserts guarantee high night visibility.

	<b>Dimensions (H / L / W):</b> speed moderator: 3 x 60 x 48 cm terminal: 3 x 60 x 22 cm insert: 12 x 17,5 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> speed moderator: 7,50 kg terminal: 3,5 kg		<b>External surface treatments:</b> application of 6 elastoplastic yellow reflective inserts



<b>accessories</b>	Code: 1990000104 		
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Code	Description
199000104	HBR 12 x 140 fixing screws

Code	Description	Pallet
109603611	3 cm speed moderator	100 pcs
110913000	3 cm male Terminal	100 pcs
110923000	3 cm female Terminal	100 pcs

	<b>Dimensions (H / L / W):</b> speed moderator: 5 x 90 x 50 cm insert: 24,6 x 16,7 cm terminal: 5 x 90 x 27 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> speed moderator: 17,50 kg terminal: 6,5 kg		<b>External surface treatments:</b> application of 4 elastoplastic yellow reflective inserts



<b>accessories</b>	Code: 1099000104 		
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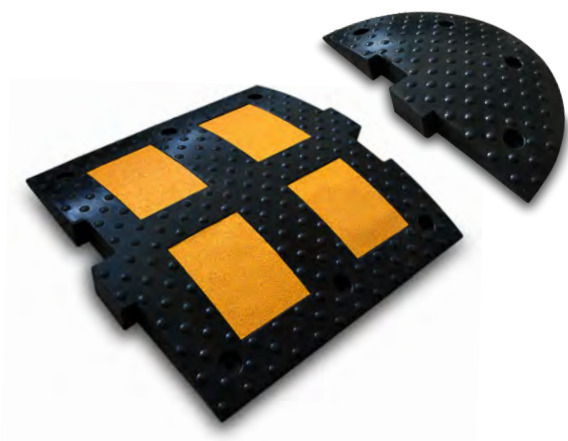
Code	Description
199000104	HBR 12 x 140 fixing screws

Code	Description	Pallet
109605411	5 cm speed moderator	60 pcs
110615000	5 cm male terminal	100 pcs
110625000	5 cm female terminal	100 pcs



# h 5 cm Rubber Speed Moderator

(h 5 x 50 x 50 cm) **40**  
6 Screws



## Description:

The device is mounted on streets where the speed limit is 40 km/h. It can be installed in all the places where you want to keep a moderate speed.

## Strengths:

Modular, elastic and resistant to the crushing, the yellow inserts guarantee high night visibility.

	<b>Dimensions (H / L / W):</b> speed moderator: 5 x 50 x 50 cm insert: 15,5 x 11,8 cm terminal: 5 x 50 x 27 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> speed moderator: 12 kg terminal: 3,8 kg		<b>External surface treatments:</b> application of 4 elastoplastic yellow reflective inserts



accessories

Code: 199000104

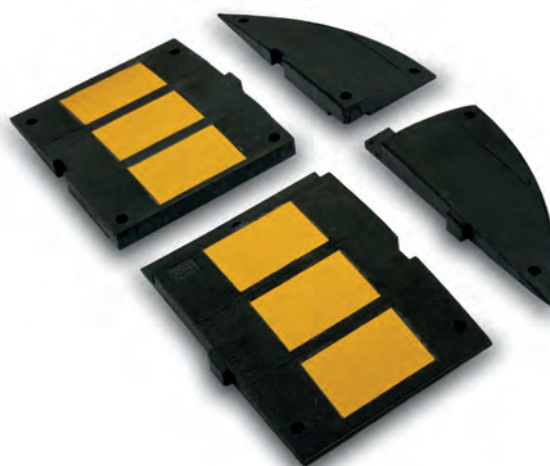
technical datasheet

Code	Description
199000104	HBR 12 x 140 fixing screws

Code	Description	Pallet
109605412	5 cm speed moderator	80 pcs
110415000	5 cm terminal	100 pcs

# h 7 cm Rubber Speed Moderator

(h 7 x 120 x 50 cm) **30**  
6 Screws



## Description:

The device is mounted on streets where the speed limit is 30 km/h. It can be installed in all the places where you want to keep a moderate speed.

## Strengths:

Modular, elastic and resistant to the crushing, the yellow inserts guarantee high night visibility.

	<b>Dimensions (H / L / W):</b> speed moderator: 7 x 120 x 50 cm insert: 24,6 x 15,8 cm total terminal: 7 x 120 x 30,7 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> total speed moderator: 33 kg total terminal: 14,5 kg		<b>External surface treatments:</b> application of 6 elastoplastic yellow reflective inserts



accessories

Code: 199000081

technical datasheet

Code	Description
199000081	HBR 16 x 140 fixing screws

Code	Description	Pallet
109617311	7 cm speed moderator (male)	56 pcs
109627311	7 cm speed moderator (female)	56 pcs
110117000	7 cm male terminal	100 pcs
110127000	7 cm female terminal	100 pcs



# h 7 cm Rubber Pedestrian Crossing

## Description:

It is a useful device for the protection of the "weak users" of the street such as: pedestrians, cyclists, children and elderly people in the residential zones and near the schools. The device has the purpose to limit the speed of the driver and to pay attention to the pedestrian crossing. It is recommended with other products as the pedestrian save, in order to increase the security of the pedestrian especially during the night.

## Strengths:

Very easy to install, to remove and to carry. The modular elements made of vulcanized rubber can guarantee the maximum elasticity and resistance from the passing vehicles. The white reflective inserts allow high visibility also during the night.



**Dimensions (H / L / W):**  
black modular brick:  
7 x 50 x 50 cm

white modular brick:  
7 x 50 x 50 cm

male terminal driver side:  
7 x 60 x 50 cm

female terminal driver side:  
7 x 60 x 50 cm

coupling angle:  
7 x 60 x 60 cm



**Weight:**  
black modular brick:  
11 kg

white modular brick:  
12,5 kg

male terminal driver side:  
15,5 kg

female terminal driver side:  
15,5 kg

coupling angle:  
23 kg



**Construction materials:**  
High elasticity vulcanized rubber product



**External surface treatments:**  
application of elastoplastic white and yellow reflective inserts



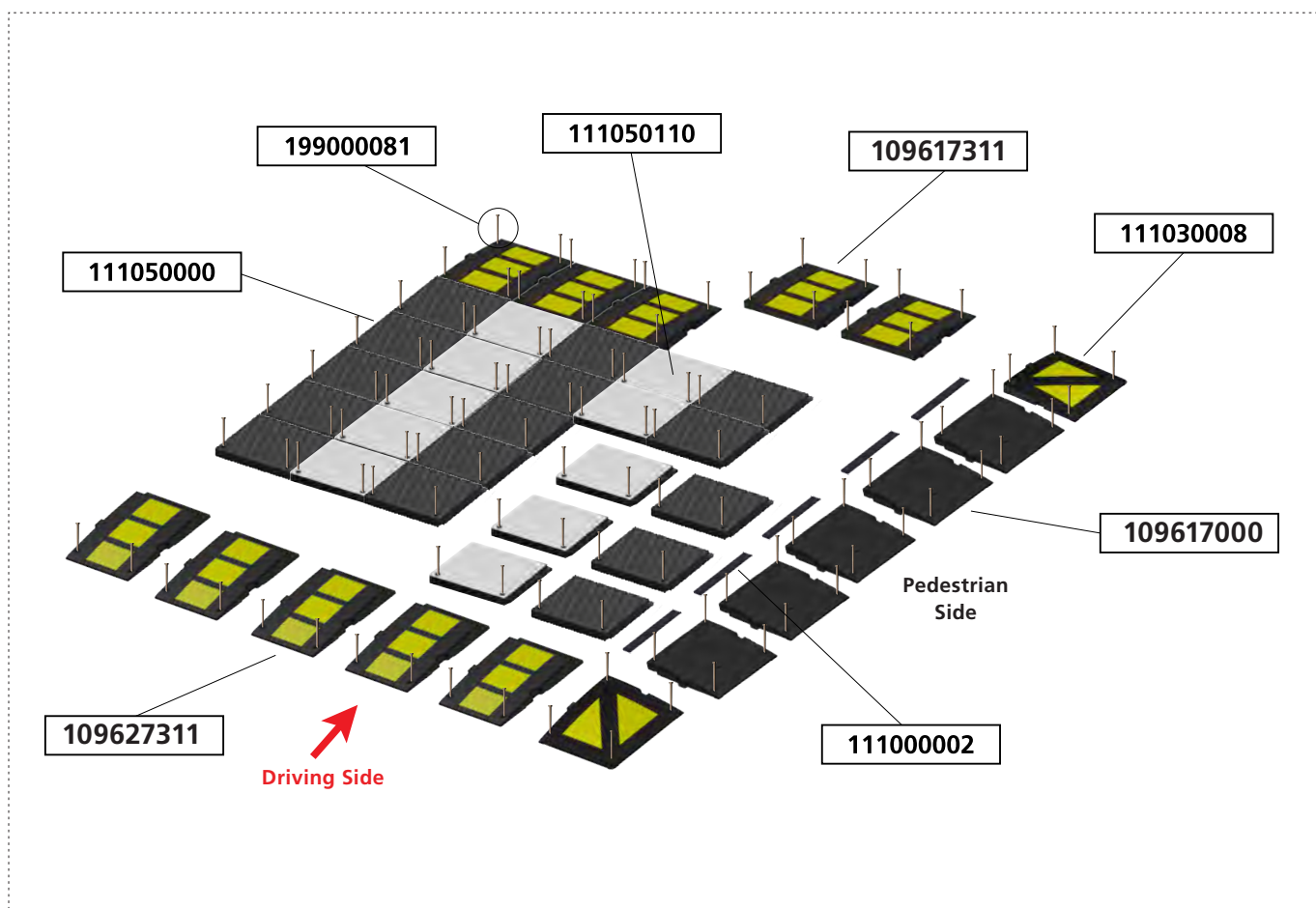
technical datasheet





spare parts	Code: 109617000	Code: 111050000	Code: 111050110	Code: 109627311	Code: 109617311	Code: 111030008
						
accessories	Code: 199000081	Code: 111000002				
						

## Rubber Pedestrian Crossing Composition:



Code	Description
111050000	Black modular brick 50 x 50 x h 7 cm
111050110	White modular brick 50 x 50 x h 7 cm
109617311	Male terminal driver side 50 x 60 x h 7 cm
109627311	Female terminal driver side 50 x 60 x h 7 cm
109617000	Pedestrian side terminal 50 x 60 x h 7 cm
111030008	Coupling angle 60 x 60 x h 7 cm

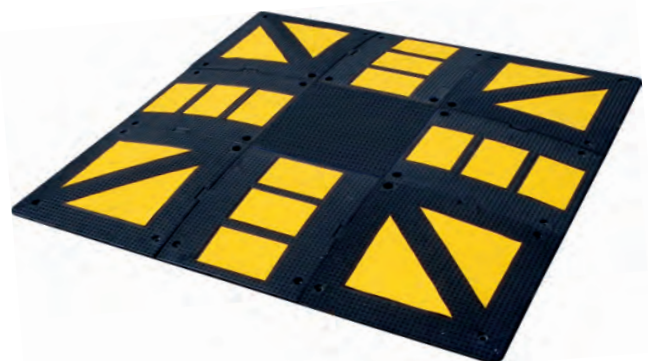
## Rubber Speed Cushions





### Description:

The device is mounted on streets where the speed limit is 30 km/h. It can be installed in all the places where you want to keep a moderate speed. Specially in limit 30 Km aera.

### Strengths:

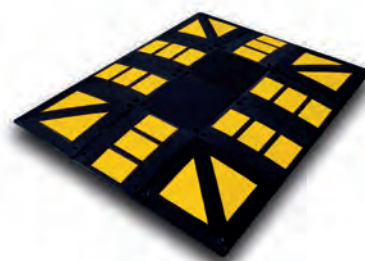
Modular, elastic and resistant to the crushing, the yellow inserts guarantee high night visibility.



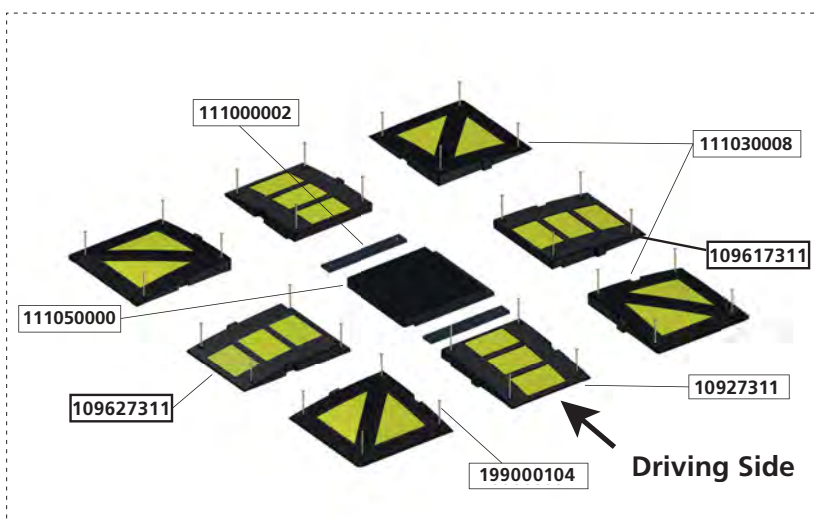
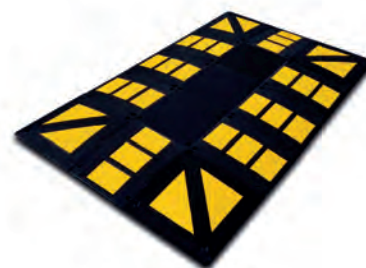
	<b>Dimensions (H / L / W):</b> h 7 x 170 x 170 cm h 7 x 170 x 220 cm h 7 x 170 x 270 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> 130 kg 170 kg 210 kg		<b>External surface treatments:</b> application yellow inserts



170 x 220 x h 7 cm




170 x 270 x h 7 cm



technical datasheet



accessories		Code	Description
	Code: 199000104	199000104	HBR 12 x 140 fixing screws
	Code: 111000002	111000002	Black lath 50x7x1,5 cm

Code	Description
120100002	Speed cushion 170x170xh7 cm
120100003	Speed cushion 170x220xh7 cm
120100004	Speed cushion 170x270xh7 cm





h 12 cm ZUGALÂNDIA

## Rubber Curbstone "Secure Bike"

### Description:

It is used to delimit bicycles lanes, made by a male and female element.

### Strengths:

High elasticity rubber product, resistant to the hurts and to the weathering, good visibility during the night.



	<b>Dimensions (H / L / W):</b> 12 x 100 x 50 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> 44 kg 1 set made of 2 pcs		<b>External surface treatments:</b> application of elastoplastic yellow reflective inserts

Code	Description
107612134	Male Biker curbstone 50 x 50 x 12 cm
107612135	Female Biker curbstone 50 x 50 x 12 cm



8 screws to fix it

<b>accessories</b>	<b>Code:</b> 199000104			
<b>Code</b>	<b>Description</b>			
199000104	HBR 12 x 140 fixing screws			

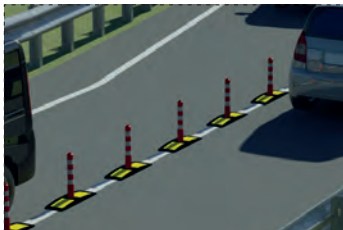
## Rubber Curbifix

### Description:

The device is used to delimit lanes, reserved traffic areas, working zones and to delimit urban and suburban lanes.

### Strengths:

Modular, elastic and resistant to the crushing, highly visible thanks to the reflective bands.



	<b>Dimensions:</b> convex base: h 5 x 29 x 90 cm everflex h 60 cm: h 65 cm cylindrical part Ø 7,5 - Ø 8,5 lower base Ø 11,5 cm  everflex h 30 cm: h 36 cm cylindrical part Ø 7,5 lower base Ø 11,5 cm		<b>External surface treatments:</b> base: application of n°2 elastoplastic yellow reflective inserts  everflex: application of fully reflective high intensity grade tape, red painting
	<b>Weight:</b> curbifix h 60 cm: 12,5 kg curbifix h 30 cm: 12 kg		<b>Construction materials:</b> SRB rubber

Code	Description
117060721	Rubber curbifix with h 60 cm fully reflective high intensity grade everflex
117030321	Rubber curbifix with h 30 cm high intensity grade everflex



<b>accessories</b>	<b>Code:</b> 199000104				
<b>Code</b>	<b>Description</b>				
199000104	HBR 12 x 140 fixing screws				





**ZUCALÂNDIA**

## h 5 cm Rubber Curbstone



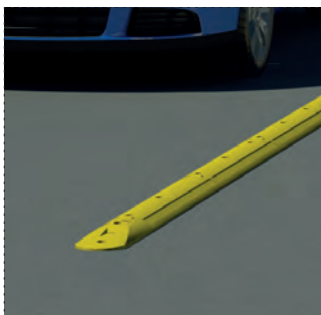
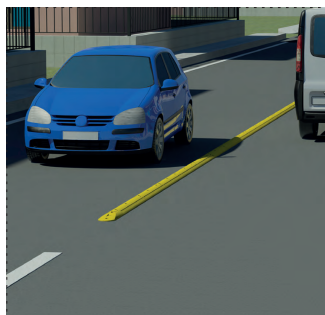
### Description:

It is a rubber product used for safe solution that provides a visual separation between vehicle and bicycle lanes. Ideal for use anywhere with bicycle traffic, the lane delineators keep vehicles and bikes traffic in their respective lanes.

### Strengths:

High elasticity rubber product, resistant to the hurts and to the weathering, good visibility during the night.

	<b>Dimensions (H / L / W):</b> curbstone: 5 x 100 x 16 cm insert: 98 x 2,5 cm male terminal: 5 x 52,5 x 16 cm female terminal: 5 x 42,5 x 16 cm insert: 3,9 x 2,5 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> curbstone: 7,5 kg male terminal: 2,9 kg female terminal: 2 kg		<b>External surface treatments:</b> application of elastoplastic yellow reflective inserts



<b>accessories</b>	Code: 199000104 		
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Code	Description
199000104	HBR 12 x 140 fixing screws

Code	Description	Pallet
107605121	Curbstone 5 cm yellow	100 pcs
108615112	Curbstone 5 cm yellow male terminal	100 pcs
108625112	Curbstone 5 cm yellow female terminal	100 pcs

## h 10 cm Rubber Curbstone

fully reflective painted



### Description:

It is used as lane delimit where the road transit is allowed only to determinate categories of vehicles such as: taxi, buses, ambulances.

### Strengths:

High elasticity rubber product, resistant to the hurts and to the weathering, good visibility during the night.

	<b>Dimensions (H / L / W):</b> curbstone: 10 x 100 x 30 cm insert: 98 x 2,5 cm terminal: 10 x 75,5 x 30 cm insert: 7,9 x 3 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> curbstone: 13 kg terminal: 7,8 kg		<b>External surface treatments:</b> fully reflective painted



<b>accessories</b>	Code: 199000104 	Code: 199000022 	Code: 199000050 	
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Code	Description	technical datasheet
199000022	Kit M14 x 240 mm threaded rod	
199000050	20 kg cement mortar	
199000104	HBR 12 x 140 fixing screws	

Code	Description	Pallet
107610133	Curbstone 10 cm yellow	50 pcs
108610192	Curbstone 10 cm yellow terminal	50 pcs
112330333	Everflex EVA h 30 cm for curbstone	300 pcs





# ZUCALÂNDIA

## h 5 cm

### Rubber Curbstone

with yellow reflective inserts



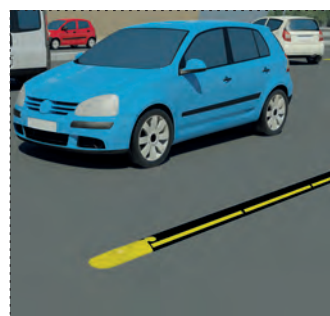
#### Description:

It is a rubber product used for safe solution that provides separation between vehicle and bicycle lanes. Ideal to use anywhere with bicycle traffic, the lane delineators keep vehicles and bikes traffic each in their lane.

#### Strengths:

High elasticity rubber product, resistant to the hurts and to the weathering, good visibility during the night.

	<b>Dimensions (H / L / W):</b> curbstone: 5 x 100 x 16 cm insert: 98 x 2,5 cm male terminal: 5 x 52,5 x 16 cm female terminal: 5 x 42,5 x 16 cm insert: 3,9 x 2,5 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> curbstone: 7,5 kg male terminal: 2,9 kg female terminal: 2 kg		<b>External surface treatments:</b> application of elastoplastic yellow reflective inserts



Code	Description
199000104	HBR 12 x 140 fixing screws

Code	Description	Pallet
107305000	Curbstone 5 cm black	100 pcs
108615112	Curbstone 5 cm yellow male terminal	100 pcs
108625112	Curbstone 5 cm yellow female terminal	100 pcs

## h 10 cm

### Rubber Curbstone

with yellow reflective inserts



#### Description:

It is used as lane delimiter where the road transit is allowed only to determinate categories of vehicles such as: taxi, buses, ambulances.

#### Strengths:

High elasticity rubber product, resistant to the hurts and to the weathering, good visibility during the night.

	<b>Dimensions (H / L / W):</b> curbstone: 10 x 100 x 20 cm insert: 98 x 3 cm terminal: 10 x 50 x 20 cm insert: 7,9 x 3 cm - 38 x 4,5 cm		<b>Construction materials:</b> High elasticity vulcanized rubber product
	<b>Weight:</b> curbstone: 13 kg terminal: 7,8 kg		<b>External surface treatments:</b> application of elastoplastic yellow reflective inserts



Code	Description
199000104	HBR 12 x 140 fixing screws

Code	Description	Pallet
107310121	Curbstone 20x100x10 h cm	50 pcs
108311111	Male terminal 50x20x10 h cm	100 pcs
108325111	Female terminal 50x20x10 h cm	100 pcs





# Temporary Signs Systems



Over the years, backed up by a long-standing tradition in the temporary signage industry, Sisas has consolidated and improved its expertise by offering products whose technology and quality meet all the needs of road construction sites. Sisas is able to offer customized products that meet the specific needs of its customers by providing technical departments capable of supporting them in the most critical situations dictated by temporary conditions that alter the route traffic normally flows.

## Flashing Light "E-One Yellow"

### Fresnel Lens













#### Description:

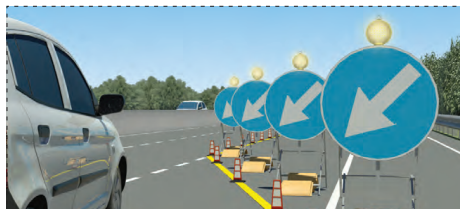
Yellow flashing light with transparent lens, mono LED, working with one or two batteries. The device is mainly used in suburban and highways working zones and for supplementing normal signals.

The warning light can be positioned using the triangular connection set on the lens or with a rear bracket. Available in one or two sides lens. Option only at night or 24 hours.

#### Strenghts:

Because of the innovative Fresnel lens, the device can guarantee an high luminous emission visible even from great distances. Thanks to the only one LED, the device has a very low consumption.

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>On/off switch:</b> external
	<b>Light source:</b> 3W yellow led		<b>Type of battery:</b> nr. 2 4R25 batteries of: 25 Ah		<b>Dimensions (H / L / W):</b> 36,5 x 20 x 9,5 cm
	<b>Light emission:</b> standard / flash / triflash		<b>Duration:</b> standard 430 h		<b>Weight:</b> 0,7 Kg
	<b>luminous intensity:</b> Class L8G		<b>Twilight:</b> yes		<b>Lenses:</b> Fresnel lens



Code	Description	Pack	Pallet
202000079	E-one yellow with button	12 pcs	24 packs
202000094	E-one yellow with button double sided	12 pcs	24 packs

## Flashing Light "E-One Red"

### Fresnel Lens













#### Description:

Red steady light with transparent lens, mono LED, working with one or two batteries. The device is mainly used in suburban and highways working zones and for supplementing normal signals.

The warning light can be positioned using the triangular connection set on the lens or with a rear bracket.

#### Strenghts:

Because of the innovative Fresnel lens, the device can guarantee an high luminous emission visible even from great distances. Thanks to only one LED, the device has a very low consumption.

	<b>Light source:</b> 3W red led		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>On/off switch:</b> external
	<b>Light emission:</b> red steady light		<b>Type of battery:</b> nr. 2 4R25 batteries of: 25 Ah		<b>Dimensions (H / L / W):</b> 36,5 x 20 x 9,5 cm
	<b>Luminous intensity:</b> Class L7		<b>Duration:</b> 500 h		<b>Weight:</b> 0,7 Kg
	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Twilight:</b> yes		<b>Temperature:</b> -40 °C - +90 °C



Code	Description	Pack	Pallet
202000081	E-one red with button	12 pcs	24 packs



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## Flashing Light "EuroFlash Yellow"













### Description:

Yellow flashing light, with one or two batteries, is mainly used in working zones, urban areas and for supplementing normal signals. The warning light can be positioned using the

triangular connection set on the lens or with a rear bracket.

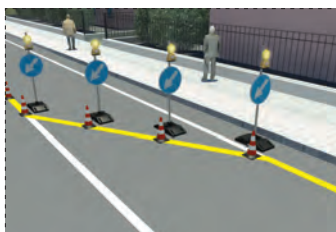
### Strengths:

Double-sided optic, low consumption, 360° rotation, internal switch to protect the device from accidental switching, activation is made by a "special key". Practical, and ease to use.

	<b>Light source:</b> 2 leds for each side		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>On/off switch:</b> inside
	<b>Light emission:</b> standard yellow flashing light		<b>Type of battery:</b> nr. 2 4R25 batteries of: 7 Ah / 25 Ah / 45 Ah		<b>Dimensions (H / L / W):</b> 35,5 x 19,5 x 9,5 cm
	<b>Luminous intensity:</b> L3		<b>Duration:</b> 713 h / 2500 h / 4500 h		<b>Weight:</b> 0,55 Kg
	<b>Lenses:</b> yellow lens		<b>Twilight:</b> yes		<b>Temperature:</b> -15 °C - +85 °C

accessories

Code: 202000059



**RoHS**  
2002/95/EC



technical  
datasheet



Code	Description	Pack	Pallet
202000026	Euroflash yellow	12 pcs	24 packs

## Flashing Light "EuroFlash Red"













### Description:

Red steady light, with one or two batteries, is mainly used in working zones, urban areas and for supplementing normal signals. The warning light can be positioned using the

triangular connection set on the lens or with a rear bracket.

### Strengths:

Double-sided optic, low consumption, 360° rotation, internal switch to protect the device from accidental switching, activation is made by a "special key". Practical, and ease to use.

	<b>Light source:</b> 2 leds for each side		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>On/off switch:</b> inside
	<b>Light emission:</b> red steady light		<b>Type of battery:</b> nr. 2 4R25 batteries of: 7 Ah / 25 Ah / 45 Ah		<b>Dimensions (H / L / W):</b> 35,5 x 19,5 x 9,5 cm
	<b>Luminous intensity:</b> 2 cd		<b>Duration:</b> 105 h / 370 h / 680 h		<b>Weight:</b> 0,55 Kg
	<b>Lenses:</b> red lens		<b>Twilight:</b> yes		<b>Temperature:</b> -15 °C - +85 °C

accessories

Code: 202000059



**RoHS**  
2002/95/EC



technical  
datasheet



Code	Description	Pack	Pallet
202000023	Euroflash red	12 pcs	24 packs



## Flashing Light "One Yellow"













### Description:

Yellow flashing light with one battery is mainly used in working zones, urban areas and for supplementing normal signals. The warning light can be positioned using the

triangular connection set on the lens or with a rear bracket.

### Strengths:

Double-sided optic, low consumption, 360° rotation, internal switch to protect the device from accidental switching, activation is made by a "special key". Practical, and ease to use.

	<b>Light source:</b> 2 leds for each side		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>On/off switch:</b> inside
	<b>Light emission:</b> standard yellow flashing light		<b>Type of battery:</b> nr. 1 4R25 battery of: 7 Ah / 25 Ah / 45 Ah		<b>Dimensions (H / L / W):</b> 35,5 x 19,5 x 9,5 cm
	<b>Luminous intensity:</b> L3		<b>Duration:</b> 358 h / 1280 h / 2300 h		<b>Weight:</b> 0,5 Kg
	<b>Lenses:</b> yellow lens		<b>Twilight:</b> yes		<b>Temperature:</b> -15 °C - +85 °C



Code	Description	Pack	Pallet
202000009	One yellow	12 pcs	24 packs

## Flashing Light "One Red"















### Description:

Red steady light with one battery is mainly used in working zones, urban areas and for supplementing normal signals. The warning light can be positioned using the triangular connection set on the

lens and besides it has a rear bracket.

### Strengths:

Double-sided optic, low consumption, 360° rotation, internal switch to protect the device from accidental switching, activation is made by a "special key". Practical, and ease to use.

	<b>Light source:</b> 2 leds for each side		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>On/off switch:</b> inside
	<b>Light emission:</b> red steady light		<b>Type of battery:</b> nr. 1 4R25 battery of: 7 Ah / 25 Ah / 45 Ah		<b>Dimensions (H / L / W):</b> 35,5 x 19,5 x 9,5 cm
	<b>Luminous intensity:</b> L3		<b>Duration:</b> 53 h / 190 h / 340 h		<b>Weight:</b> 0,5 Kg
	<b>Lenses:</b> red lens		<b>Twilight:</b> yes		<b>Temperature:</b> -15 °C - +85 °C



Code	Description	Pack	Pallet
202000007	One red	12 pcs	24 packs



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# Flashing Light "E-ONE STAR Yellow"

Yellow Fresnel Lens

## Description:













E-One Star is a one side flashing light with yellow lens, mono Led, working with one or two batteries. The device is mainly used in working zones to integrate the horizontal/vertical

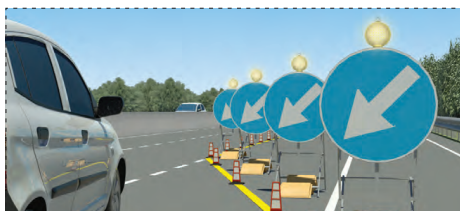
signs, especially during the night. It has a rotation of 360° so to direct the light source in the desired direction.

## Strengths:

High brightness warning light with only one led, reduced consumption. Easy handling for the workers. With the fixing accessories it can be put in different supports, granting a safe work zone area.

## Brightness L8M

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>On/off switch:</b> external
	<b>Light source:</b> 1W yellow led		<b>Type of battery:</b> nr. 2 4R25 batteries of: 25 Ah		<b>Dimensions (H / L / W):</b> 36,5 x 20 x 9,5 cm
	<b>Light emission:</b> standard		<b>Duration:</b> 290 h / 1000 h / 1900 h		<b>Weight:</b> 0,7 Kg
	<b>luminous intensity:</b> Class L8M		<b>Twilight:</b> yes		<b>Lenses:</b> Yellow Fresnel lens



Code	Description
202000108	E-ONE STAR yellow

## Battery 6V 7 Ah

### Description:

It is used to feed the working zones flashing lights, non-rechargeable.

### Strengths:

Ecological, no maintenance, ready to use, safe and easy use.



## Battery 6V 25 Ah

### Description:

It is used to feed the working zones flashing lights, non-rechargeable.

### Strengths:

No maintenance, ready to use, safe and easy use.



	<b>dimensions (H / L / W):</b> 9,8 x 6,7 x 6,7 cm		<b>Weight:</b> 0,5 kg
---	--	---	--------------------------

Code	Description	Pack	Pallet
200300016	6V 7Ah battery	24 pcs	66 packs

	<b>dimensions (H / L / W):</b> 9,8 x 6,7 x 6,7 cm		<b>Weight:</b> 0,65 kg
---	--	---	---------------------------

Code	Description	Pack	Pallet
200300022	6V 25Ah battery	24 pcs	50 packs



## Battery 6V 45 Ah

### Description:

It is used to feed the working zones flashing lights, non-rechargeable, alkaline.

### Strengths:

No maintenance, ready to use, safe and easy use.



technical datasheet



dimensions (H / L / W):  
9,8 x 6,7 x 6,7 cm



Weight:  
0,8 kg

Code	Description	Pack	Pallet
200300048	6V 45Ah battery	12 pcs	50 packs

## Rechargeable Battery 12V 180Ah

### Description:

It is used to power electronic and electromechanical devices such as: LED traffic light, sequential systems and trailers.

### Strengths:

High reliability, rechargeable model.



technical  
datasheet



dimensions (H / L / W):  
23 x 50 x 22 cm



Weight:  
43 kg

Code	Description
200300001	Rechargeable battery 12V 180 Ah

## Rechargeable Battery 12V 100Ah

### Description:

It is used to power electronic and electromechanical devices such as: LED traffic light, sequential systems, flag movers.

### Strengths:

High reliability, rechargeable model.



technical  
datasheet



dimensions (H / L / W):  
20 x 31 x 19 cm



Weight:  
21,2 kg

Code	Description
200300011	Rechargeable battery 12V 100 Ah

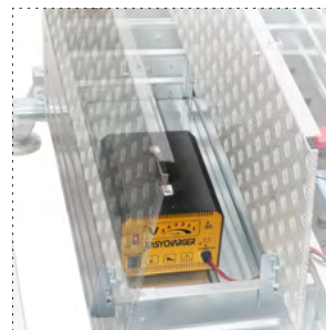
## Battery Charger for Trailer

### Description:

It is used to recharge batteries of 100 Ah or 180 Ah.

### Strengths:

High reliability, fast recharge.



CE RoHS  
2002/95/EC



technical  
datasheet



dimensions (H / L / W):  
20 x 24 x 35 cm



Weight:  
12,2 kg

Code	Description
200400020	Battery recharger for trailer 12V 40Ah





## 33



## 33



## 33



UNICEF



300 mm  
200 mm  
100 mm



**ZUCALÂNDIA**

## Flashing Light "Led optic DS200 mm Fresnel with Amber Lens"

Protection Grade **IP 65/67**



### Description:

New and improved Fresnel Led light with **amber lens** for application in work zones, highway, railway. The light is in compliance with UNI EN12352 Class L8H. Designed and manufactured in Europe by the companies of Sisas group. It is made by an innovative PMMA optical assembly consisting of a series of amber Fresnel lenses that can deflect and diffuse the light to obtain an efficient light output with a reduced number of LEDs.

### Strengths:

The 19 power white LEDs permit to reach the L8H class of brightness without resorting the use of traditional lamps, so that we can have a reducing power consumption and longer life. Fully programmable by remote control (optional) it offers the possibility to change flashing modes and adjust the brightness in relation to ambient light without any electronic modification and to have a wide range of versions in a single product.

## Flashing Light "Led optic DS200 mm Fresnel Slim with Amber Lens"

Protection Grade **IP 65/67**



### New!

it can be fitted with an optional remote control that ensures high versatility allowing to choose the most suitable type of flash.

(SEE PAG. 33)



	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Light source:</b> 19 SMD Led		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Consumption:</b> Average 192mA Pick 740mA
	<b>Luminous intensity:</b> Class L8H		<b>Power supply:</b> from 8 to 30 V <sub>cc</sub>		<b>Duration:</b> standard flash mode 93h / 208h / 520h / 937h  tri-flash mode 280h / 625h / 1562h / 2812h		<b>Dimensions:</b> 21,9 x 21,9 x 5,8 cm 21,9 x 21,9 x 4,0 cm (Slim)
	<b>Light emission:</b> yellow flashing (amber)		<b>Twilight:</b> on request		<b>Photovoltaic kit:</b> 50 W		<b>Weight:</b> 0,630 Kg with 1 meter cable 0,496 Kg with 1 meter cable (Slim)
							<b>Temperature:</b> -20 °C - +85 °C

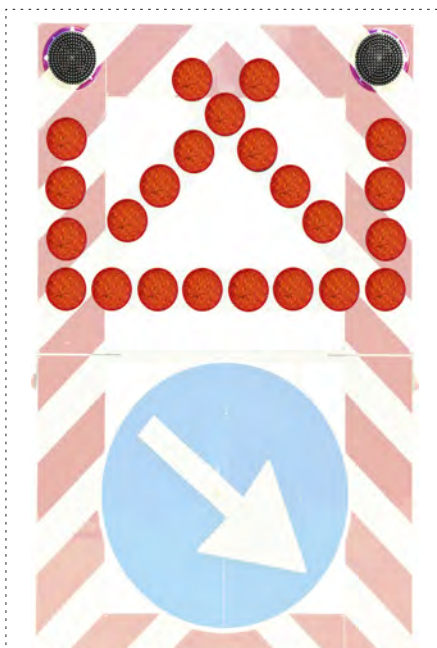


Code	Description
201900515	Slave led light DS200 mm Fresnel
201900540	Master led light DS200 mm Fresnel
201900541	Single flashing light DS200 (tri-flash mode)
201900553	Double flashing lights amber DS200 (synchronous mode) 3 mts cable
201900559	Slave led light DS200 mm Fresnel Slim
201900560	Master led light DS200 mm Fresnel Slim
909080009	Rear bracket



# ZUCALANDIA

## Kit for Warning Trailer



### Description:

It is composed of 25 LED lenses and a control unit. The device can be used on any type of structure thanks to the ease of assembly of the lenses.

### Strengths:

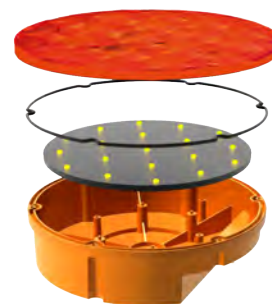
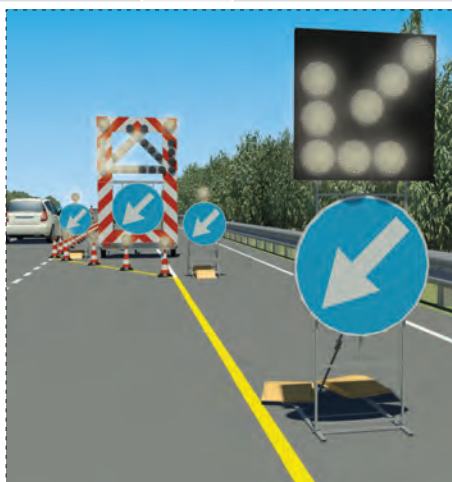
**Possibility to personalize the kit according to different norms**, reliability warranty of the control unit and high luminosity LED lenses. Practical to assembly, reduced size.



technical  
datasheet



	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>On/off switch:</b> outside
	<b>Light source:</b> nr. 23 of 200 mm optics + nr. 2 of 300 mm optics		<b>Type of battery:</b> 180 Ah		<b>Dimensions (H / L / W):</b> 60 x 40 x 48 cm
	<b>Light emission:</b> yellow (amber)		<b>Consumption:</b> minimum 25 mA maximum 16,5 A		<b>Weight:</b> 15,2 kg
	<b>Luminous intensity:</b> 200 mm Class L8H 300 mm Class L9M		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
204200252	Kit for warning trailer 23 led lights ds200 + 2 led lights 300 mm + Control unit



# Flashing Light

## "Bi-Color Led Light diameter 200 mm"

In One **Light** Two **Colors** available



**Description:**

New special model 200 mm led light projected and designed for specific application of luminous signalization in work zones. In the same lamp the possibility to choose the red light for prohibition or amber light for warning. The luminous source is made by 120 amber leds and 120 red leds with transparent lens. It is possible to have 2 models with or without orange housing according to the specific application. The flat model

can be applied in any type of surface, steady support or mobile with 3 simple fixing screws.

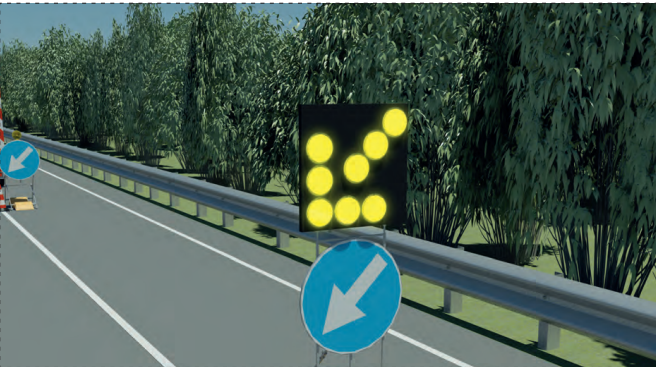
**Strengths:**

Using a remote control from the master light you can choose the light colour, the flashing mode and if you have a master and slave light also the mode: synchro or alternate. The reducing thickness permits to the light to be mounted in any surface and the presence of 120

leds for each colour guarantee the maximum efficiency all in one light.



	In compliance with UNI EN 12352		Light source: 240 Led 120 amber Led / 120 red Led		Type of Batteries: 18Ah / 40Ah / 100Ah / 180Ah		Consumption (amber flashing mode): Average 163mA Pick 880mA
	Luminous intensity: Class L8H		Photovoltaic kit: 50 W		Duration (amber flashing mode): standard flash mode 55h / 120h / 310h / 570h tri-flash mode 110h / 250h / 630h / 1100h		Dimensions: 21,9 x 21,9 x 5,8 cm
	Light emission: yellow flashing (amber), red steady		Twilight: on request		Duration (red steady mode): steady mode 148h / 108h / 270h / 480h		Weight: 0,630 Kg (with 1 meter cable)
							Temperature: -20 °C - +85 °C



Code	Description
201900525	Master light 200 mm bicolor
201900524	Slave light 200 mm bicolor

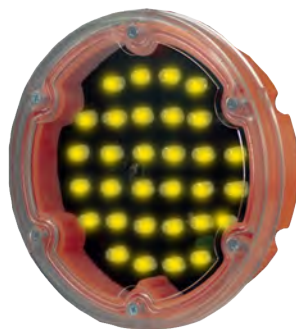
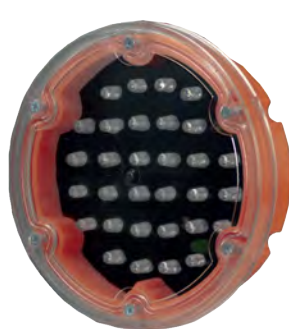


# ZUCALANDIA

## Flashing Light Evo

### "Led optic Ø 100 mm"

**New**



#### Description:

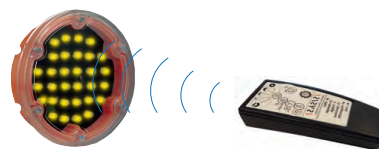
The new Evo Led light is mainly used to warn the drivers about a danger situation or a work zone where they need to pay particular attention.

The new design of the led light permits to mount it in any support and the special seal permits to fix the 2 parts of the light and protect it against any weather conditions.

#### Strengths:

It is easy to install and to dismount, useful in steady or mobile installation. The thin orange housing grants protection and an easy mounting. Easy to install also in existing signs, grant high brightness and low consumption permitting a great visibility of the warning signs also from great distance.

With a special remote control (optional) it is possible to select 3 different flashing mode.

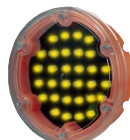
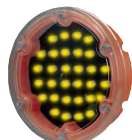
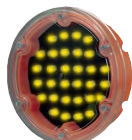
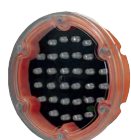


#### flashing light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L2H		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 14 x 14 x 3 cm
	<b>Light source:</b> nr. 32 high intensity led		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 250h / 550h / 1300h / 2450h tri-flash mode 500h / 1100h / 2700h / 4800h		<b>Weight:</b> 0,25 Kg
	<b>Light emission:</b> yellow (amber)		<b>Twilight:</b> on request		<b>Photovoltaic kit:</b> 20 W		<b>Temperature:</b> -15 °C - +85 °C

#### slave light - steady light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L2H		<b>Consumption:</b> 200 mA		<b>Dimensions (H / L / W):</b> 14 x 14 x 3 cm
	<b>Light source:</b> nr. 32 high intensity led		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>On/off switch:</b> absent		<b>Weight:</b> 0,25 Kg
	<b>Light emission:</b> steady Yellow (amber)		<b>Type connection to the battery:</b> with 1mm <sup>2</sup> cable		<b>Twilight:</b> absent		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
201900414	EVO Slave light 100 mm
201900413	EVO Master light 100 mm
201900420	EVO 100 mm double flashing light synchronous tri-flash
201900423	EVO 100 mm double flashing light alternate tri-flash





# Flashing Light "Led optic diameter 100 mm"

## Description:

They can be applied in any type of surface, steady or mobile support with 3 simple fixing screws. Mainly used to signal important situations or to signal the presence of working zones.

## Strengths:

The device guarantees an high brightness with a reduced thickness and size. Easy to install and to remove on the different supports. The presence of 32 LEDs guarantee the maximum efficiency.



## New!

it can be fitted with an optional remote control that ensures high versatility allowing to choose the most suitable type of flash (SEE PAG. 33)



## flashing light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L2H		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 14 x 14 x 3 cm
	<b>Light source:</b> nr. 32 high intensity led		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 250h / 550h / 1300h / 2450h tri-flash mode 500h / 1100h / 2700h / 4800h		<b>Weight:</b> 0,2 Kg
	<b>Light emission:</b> yellow (amber)		<b>Twilight:</b> on request		<b>Photovoltaic kit:</b> 20 W		<b>Temperature:</b> -15 °C - +85 °C

## slave light - steady light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L2H		<b>Consumption:</b> 200 mA		<b>Dimensions (H / L / W):</b> 14 x 14 x 3 cm
	<b>Light source:</b> nr. 32 high intensity led		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>On/off switch:</b> absent		<b>Weight:</b> 0,2 Kg
	<b>Light emission:</b> steady Yellow (amber)		<b>Type connection to the battery:</b> with 1mm <sup>2</sup> cable		<b>Twilight:</b> absent		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
201900119	Standard Flashing light 100 mm single
201900307	Triflash Flashing light 100 mm single
201900211	Slave light 100 mm single
201900144	Steady light 100 mm single



ZUCALÂNDIA

/ Temporary Signs Systems /



## Flashing Light "Double Led optics diameter 100 mm"

Flashing light synchronous - Flashing light alternate

### Description:

They can be applied in any type of surface, steady or mobile support with 3 simple fixing screws. Mainly used to signal important situations or the presence of working zones.

### Strengths:

The device guarantees a high brightness with a reduced thickness and size. Easy to install and to remove on the different supports. The presence of 32 LEDs guarantee the maximum efficiency.

Possible application available



	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Twilight:</b> twilight on request
	<b>Light source:</b> two optics with 32 high intensity leds		<b>Type of Batteries:</b> 18Ah/40Ah/100Ah/180Ah		<b>Photovoltaic kit:</b> 20W
	<b>Light emission:</b> yellow (amber)		<b>Duration (synchronous):</b> standard flash mode 120h / 270h / 680h / 1200h; tri-flash mode 250h / 550h / 1300h / 2450h		<b>Dimensions (H / L / W):</b> with cables included 14 x 14 x 10 cm
	<b>Luminous intensity:</b> Class L2H		<b>Duration (alternate):</b> standard flash mode 75h / 160h / 410h / 750h; tri-flash mode 250h / 550h / 1300h / 2450h		<b>Weight:</b> 0,85 Kg



Code	Description
201900122	100 mm double flashing light synchronous
201900125	100 mm double flashing light alternate
201900415	100 mm double flashing light synchronous
201900420	100 mm double flashing light alternate



RoHS  
2002/95/EC

technical datasheet



## Flashing Light "Kit of 3 Led lights 100 mm for sign"

### Description:

The kit with 3 LEDs lenses can be applied on signals near working zones in order to warn the driver of a presence of works.

### Strengths:

Easy to install on existing road signs. The device guarantees a high brightness with a reduced thickness and size.

Easy to install and to remove on the different supports. The presence of 32 LEDs guarantee the maximum efficiency.

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Switch on/off:</b> absent
	<b>Light source:</b> three optics with 32 high intensity leds		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> with cables included 20 x 20 x 20 cm
	<b>Light emission:</b> yellow (amber)		<b>Duration:</b> 120h / 270h / 680h / 1230h		<b>Weight:</b> 1 Kg
	<b>Luminous intensity:</b> Class L2H		<b>Twilight:</b> on request		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
201200100	Power supply set with 2 batteries 25Ah and with 5 meters cable

Code	Description
201900142	Kit of 3 led lights 100 mm for sign with control unit
201900542	Kit one master and two slave lights 100 mm (without control unit)
201900567	Kit of 3 led lights 100 mm with control unit and on/off external button



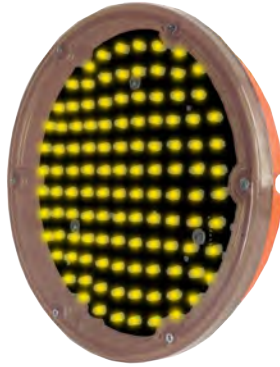
RoHS  
2002/95/EC

technical datasheet



# Evo Flashing Light

## "Led optic Ø 200 mm"



### Description:

The new Evo Led light is mainly used to warn the drivers about a danger situation or a work zone where they need to pay particular attention.

The new design of the led light permits to mount it in any support and the special seal permits to fix the 2 parts of the light and protect it against any weather conditions.

### Strengths:

It is easy to install and to dismount, useful in steady or mobile installation. The thin orange housing grant protection and an easy mounting. Easy to install also in existing signs, grant high brightness and low consumption permitting a great visibility of the warning signs also from great distance.

With a special remote control (optional) it is possible to select 3 different flashing mode.



### flashing light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L8H		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 22 x 22 x 4 cm
	<b>Light source:</b> nr. 120 high intensity leds		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 55h / 120h / 310h / 570h tri-flash mode 110h / 250h / 630h / 1100h		<b>Weight:</b> 0,480 Kg
	<b>Light emission:</b> Yellow (amber)		<b>Twilight:</b> on request		<b>Photovoltaic kit:</b> 50 W		<b>Temperature:</b> -15 °C - +85 °C

### slave light - steady light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L8H		<b>Consumption:</b> 900 mA		<b>Dimensions (H / L / W):</b> 22 x 22 x 4 cm
	<b>Light source:</b> nr. 120 high intensity leds		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Twilight:</b> absent		<b>Weight:</b> 0,480 Kg
	<b>Light emission:</b> steady Yellow (amber)		<b>Type connection to the battery:</b> with 1mm <sup>2</sup> cable		<b>On/off switch:</b> absent		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
201900435	EVO Slave light 200 mm
201900436	EVO Master light 200 mm
201900442	EVO 200 mm double flashing light synchronous tri-flash
201900445	EVO 200 mm double flashing light alternate tri-flash





# ZUCALANDIA

## Flashing Light

### "Led optic diameter 200 mm"

#### Description:

They can be applied in any type of surface, steady support or mobile with 3 simple fixing screws. Mainly used to signal important situations or the presence of working zones.

#### Strengths:

The device guarantees high brightness with a reduced thickness and size. Easy to install and to remove on the different supports. The presence of 120 LEDs guarantee the maximum efficiency.

**New!**  
it can be fitted with an optional remote control that ensures high versatility allowing to choose the most suitable type of flash (SEE PAG. 33)

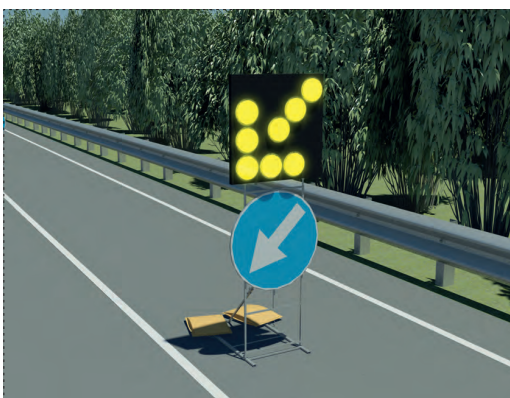


flashing light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L8H		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 23 x 23 x 4 cm
	<b>Light source:</b> nr. 120 high intensity leds		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 55h / 120h / 310h / 570h tri-flash mode 110h / 250h / 630h / 1100h		<b>Weight:</b> 0,85 Kg
	<b>Light emission:</b> Yellow (amber)		<b>Twilight:</b> on request		<b>Photovoltaic kit:</b> 50 W		<b>Temperature:</b> -15 °C - +85 °C

slave light - steady light

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L8H		<b>Consumption:</b> 900 mA		<b>Dimensions (H / L / W):</b> 23 x 23 x 4 cm
	<b>Light source:</b> nr. 120 high intensity leds		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Twilight:</b> absent		<b>Weight:</b> 0,85 Kg
	<b>Light emission:</b> steady Yellow (amber)		<b>Type connection to the battery:</b> with 1mm <sup>2</sup> cable		<b>On/off switch:</b> absent		<b>Temperature:</b> -15 °C - +85 °C



technical datasheet



Code	Description
201900120	Standard Flashing light 200 mm single
201900308	Triflash Flashing light 200 mm single
201900180	Slave light 200 mm single
201900117	Steady light 200 mm single







ZUCALÂNDIA

## Flashing Light "Led optic diameter 230 mm"

with case in moplen

### Description:

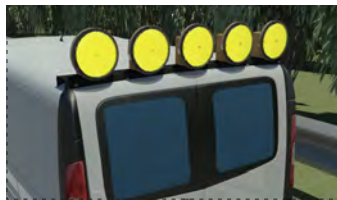
They are used with rear bracket for fixing it on poles. Mainly used to signal important situations or to signaling the presence of working zones.

### Strengths:

The device guarantees high brightness. Easy to install and to remove on the different supports. The presence

of 120 LEDs guarantee the maximum efficiency.

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Photovoltaic kit:</b> 50W
	<b>Light source:</b> nr. 120 high intensity leds		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 23 x 23 x 15 cm
	<b>Luminous intensity:</b> Class L8H		<b>Duration:</b> standard flash mode 55h / 120h / 310h / 570h tri-flash mode 110h / 250h / 630h / 1100h		<b>Weight:</b> with cables included 1,1 Kg
	<b>Light emission:</b> yellow (amber)		<b>Twilight:</b> on request		<b>Temperature:</b> -15 °C - +85 °C



RoHS  
2002/95/EC

technical datasheet



Code	Description
201900128	Flashing light single 230 mm without cap - case in moplen
201900129	Flashing light single 230 mm with cap - case in moplen

## Flashing Light "Double Led optics diameter 200 mm"

Flashing light synchronous - Flashing light alternate

### Description:

They can be applied in any type of surface, steady support or mobile with 3 simple fixing screws. Mainly used to signal important situations or the presence of working zones.

### Strengths:

The device guarantees high brightness with a reduced thickness and size. Easy to install and to remove on the different supports. The presence of 120 LEDs guarantee the maximum efficiency.

Possible application available



	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Twilight:</b> on request
	<b>Light source:</b> two optics with 120 high intensity leds		<b>Type of Batteries:</b> 18Ah/40Ah/100Ah/180Ah		<b>Photovoltaic kit:</b> standard 110 W tri flash 50 W
	<b>Light emission:</b> yellow (amber)		<b>Duration (synchronous):</b> standard flash mode 19h / 40h / 100h / 190h; tri-flash mode 55h / 120h / 310h / 570h		<b>Dimensions (H / L / W):</b> 23 x 23 x 12 cm
	<b>Luminous intensity:</b> Class L8H		<b>Duration (alternate):</b> standard flash mode 15h / 35h / 95h / 165h; tri-flash mode 50h / 120h / 310h / 565h		<b>Weight:</b> with cables included 1,7 Kg

Code	Description
201900123	200 mm double flashing light synchronous
201900126	200 mm double flashing light alternate



RoHS  
2002/95/EC

technical datasheet





# Flashing Light "Double Led optics Ø 230 mm"

Flashing light synchronous / Flashing light alternate

## Description:













They are used with rear bracket for fixing it on poles. Mainly used to signal important situations or the presence of working zones.

## Strengths:

The device guarantees high luminosity. Easy to install and to remove on the different supports. The presence of 120 LEDs guarantee the maximum efficiency.















## Synchronous

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Photovoltaic kit:</b> standard 110W/ tri flash 50W
	<b>Light source:</b> two optics with 120 high intensity leds		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 23 x 23 x 15 cm
	<b>Luminous intensity:</b> Class L8H		<b>Duration:</b> standard flash mode 19h / 40h / 100h / 190h tri-flash mode 55h / 120h / 310h / 570h		<b>Weight:</b> with cables included 2,2 Kg
	<b>Light emission:</b> yellow (amber)		<b>Twilight:</b> on request		<b>Temperature:</b> -15 °C - +85 °C



## Alternate

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Photovoltaic kit:</b> standard 110W/ tri flash 50W
	<b>Light source:</b> two optics with 120 high intensity leds		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 23 x 23 x 15 cm
	<b>Luminous intensity:</b> Class L8H		<b>Duration:</b> standard flash mode 15h / 35h / 95h / 165h tri-flash mode 50h / 120h / 310h / 565h		<b>Weight:</b> with cables included 2,2 Kg
	<b>Light emission:</b> yellow (amber)		<b>Twilight:</b> on request		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
201900131	230 mm double flashing light synchronous without cap - case in mopen
201900132	230 mm double flashing light synchronous with cap - case in mopen
201900134	230 mm double flashing light alternate without cap - case in mopen
201900135	230 mm double flashing light alternate with cap - case in mopen



# Flashing Light "Led optic Ø 300 mm L9H" IP 65



## Description:

The new 300 mm L9H Led Light with only 31 leds is mainly used to warn the drivers about a danger situation or a work zone, where they need to put particular attention. Manly used also as a component to mount on a trailer grants very high brightness with low consumption. The new light with only 31 leds is able to reach the L9H level of brightness. With the new design the led light can be mounted in any support and the special seal

permits to fix the 2 parts of the light and protect it against any weather conditions.

## Strengths:

It is easy to install and to dismount, useful in steady or mobile situations where it is required very high brightness. The thin orange housing grants protection and an easy mounting. Easy to install also in existing signs, the lamp grants high brightness and low consumption permitting

a great visibility of the warning signs also from great distances. With the special remote control (optional) is possible to select 3 different flashing mode.



technical datasheet



## flashing light

	Certifications: In compliance with UNI EN 12352		Luminous intensity: L9H		Type of Batteries: 18Ah / 40Ah / 100Ah / 180Ah		Dimensions (H / L / W): 33,5 x 33,5 x 6 cm
	Light source: 31 leds		Power supply: 8-30 V <sub>dc</sub>		Duration: standard flash mode 75h / 166h / 415h / 746h tri-flash mode 224h / 497h / 1244h / 2238h		Weight: 1,97 kg
	Light emission: Yellow (amber)		Twilight: Yes, on request only at night		Photovoltaic kit: 50 W		Temperature: -15 °C - +85 °C

## slave light - steady light

	Certifications: In compliance with UNI EN 12352		Luminous intensity: L9H		Cons umption: 1350 mA		Dimensions (H / L / W): 33,5 x 33,5 x 6 cm
	Light source: 31 leds		Power supply: 8-30 V <sub>dc</sub>		Twilight: absent		Weight: 1,97 Kg
	Light emission: steady Yellow (amber)		Type connection to the battery: Yes, on request only at night		On/off switch: absent		Temperature: -15 °C - +85 °C

Code	Description
201900596	300 mm slave light L9H
201900597	300 mm master light L9H



# Flashing Light

## "Double Led optics Ø 300 mm L9H"

### Flashing light synchronous/ Flashing light alternate



New

#### Description:

The new 300 mm L9H Led Light with only 31 leds is mainly used to warn the drivers about a danger situation or a work zone, where they need to put particular attention. The new light with only 31 leds is able to reach the L9H level of brightness. With the new design the led light can be mounted in any support and the special seal permits to fix the 2 parts of the light and protect it against any weather conditions. It can work in pair with synchronous

or alternate mode and can be mounted on signs for warning advices or on a arrow boards of warning vehicles.

#### Strengths:

It is easy to install and to dismount, useful in steady or mobile situations where it is required very high brightness. The thin orange housing grants protection and an easy mounting. Easy to install also in existing signs, the lamp grants high brightness

and low consumption permitting a great visibility of the warning signs also from great distances. With the special remote control (optional) is possible to select 3 different flashing mode.



technical datasheet



#### synchronous

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Luminous intensity:</b> L9H		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 33,5 x 33,5 x 6 cm
	<b>Light source:</b> 31 leds		<b>Power supply:</b> 8-30 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 37h / 83h / 207h / 373h tri-flash mode 112h / 248h / 622h / 1119h		<b>Weight:</b> 3,94 kg
	<b>Light emission:</b> Yellow (amber)		<b>Twilight:</b> Yes, on request only at night		<b>Photovoltaic kit:</b> 50 W		<b>Temperature:</b> -15 °C - +85 °C

#### alternate

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Luminous intensity:</b> L9H		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 33,5 x 33,5 x 6 cm
	<b>Light source:</b> 31 leds		<b>Power supply:</b> 8-30 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 37h / 83 h / 207h / 373h tri-flash mode 112h / 248h / 622h / 1119h		<b>Weight:</b> 3,94 kg
	<b>Light emission:</b> Yellow (amber)		<b>Twilight:</b> Yes, on request only at night		<b>Photovoltaic kit:</b> 150 W		<b>Temperature:</b> -15 °C - +85 °C

Code	Description
201900610	300 mm double flashing light L9H synchronous tri-flash mode
201900456	300 mm double flashing light L9H alternate tri-flash mode





# Evo Flashing Light

## "Led optic Ø 300 mm"



**New**

### Description:

The new Evo Led light is mainly used to warn the drivers about a danger situation or a work zone where they need to pay particular attention.

The new design of the led light permits to mount it in any support and the special seal permits to fix the 2 parts of the light and protect it against any weather conditions.

### Strengths:

It is easy to install and to dismount, useful in steady or mobile installation. The thin orange housing grants protection and an easy mounting. Easy to install also in existing signs, the lamp grants high brightness and low consumption permitting a great visibility of the warning signs also from great distance.

With a special remote control (optional) is possible to select 3 different flashing mode.















technical datasheet















**RoHS**  
2002/95/EC

### flashing light

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L9M		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 34 x 44 x 6 cm
	<b>Light source:</b> nr. 232 high intensity leds		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 35h / 85h / 210h / 380h tri-flash mode 75h / 170h / 430h / 770h		<b>Weight:</b> 1,41 kg
	<b>Light emission:</b> Yellow (amber)		<b>Twilight:</b> on request		<b>Photovoltaic kit:</b> 50 W		<b>Temperature:</b> -15 °C - +85 °C

### slave light - steady light

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L9M		<b>Consumption:</b> 1350 mA		<b>Dimensions (H / L / W):</b> 34 x 44 x 6 cm
	<b>Light source:</b> nr. 232 high intensity leds		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Twilight:</b> absent		<b>Weight:</b> 1,82 Kg
	<b>Light emission:</b> steady Yellow (amber)		<b>Type connection to the battery:</b> with 1 mm <sup>2</sup> cable		<b>On/off switch:</b> absent		<b>Temperature:</b> -15 °C - +85 °C

Code	Description
201900447	EVO Slave light 300 mm
201900446	EVO Master light 300 mm
201900453	EVO 300 mm double flashing light synchronous tri-flash
201900456	EVO 300 mm double flashing light alternate tri-flash



## Flashing Light "Led optic Ø 300 and Ø 340 mm"

without moplen case / with moplen case

### Description:

They can be applied in any type of surface, steady support or mobile with 4 simple fixing screws. Mainly used to signal important situations or the presence of working zones.

### Strengths:













The device guarantees an high brightness with a reduced thickness and size. Easy to install and to remove on the different supports. The presence of 232 LEDs guarantee the maximum efficiency.

### New!













it can be fitted with an optional remote control that ensures high versatility allowing to choose the most suitable type of flash (SEE PAG. 33)



flashing light

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L9M		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 34 x 34 x 4,5 cm 34 x 34 x 22 cm (with moplen case)
	<b>Light source:</b> nr. 232 high intensity leds		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Duration:</b> standard flash mode 35h / 85h / 210h / 380h tri-flash mode 75h / 170h / 430h / 770h		<b>Weight:</b> 1,55 Kg 3,5 kg (with moplen case)
	<b>Light emission:</b> Yellow (amber)		<b>Twilight:</b> on request		<b>Photovoltaic kit:</b> 50 W		<b>Temperature:</b> -15 °C - +85 °C

slave light - steady light

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Luminous intensity:</b> Class L9M		<b>Consumption:</b> 1350 mA		<b>Dimensions (H / L / W):</b> 34 x 34 x 4,5 cm
	<b>Light source:</b> nr. 232 high intensity leds		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Twilight:</b> absent		<b>Weight:</b> 1,55 Kg
	<b>Light emission:</b> steady Yellow (amber)		<b>Type connection to the battery:</b> with 1 mm <sup>2</sup> cable		<b>On/off switch:</b> absent		<b>Temperature:</b> -15 °C - +85 °C



technical  
datasheet



**RoHS**  
2002/95/EC

Code	Description
201900121	Standard Flashing light 300 mm single
201900310	Triflash Flashing light 300 mm single
201900346	Slave light 300 mm single
201900130	Flashing light single 340 mm - case in moplen



# Flashing Light "Double Led optics Ø 300 and Ø 340 mm"

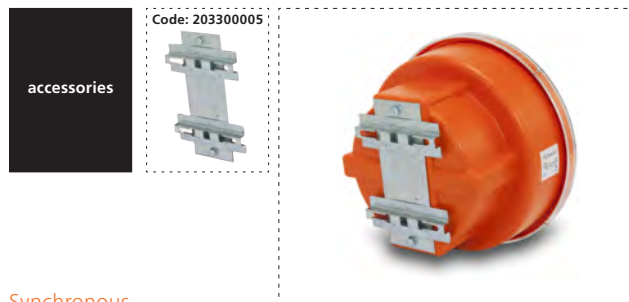
Flashing light synchronous / Flashing light alternate

## Description:

They can be applied in any type of surface, steady support or mobile with 4 simple fixing screws. Mainly used to signal important situations or the presence of working zones, using the case the application is on poles.

## Strengths:

The device guarantees an high brightness with a reduced thickness and size without the case. Easy to install and to remove on the different supports. The presence of 232 LEDs guarantee the maximum efficiency.



## Synchronous

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Photovoltaic kit:</b> standard 150W / tri-flash 50W
	<b>Light source:</b> two optics with 232 high intensity leds		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> with cables included 34 x 34 x 4,5 cm 34 x 34 x 22 cm (with mopen case)
	<b>Luminous intensity:</b> Class L9M		<b>Duration:</b> standard flash mode 15h / 40h / 100h / 190h tri-flash mode 35h / 85h / 210h / 380h		<b>Weight:</b> with cables included 3,1 Kg 6,9 kg (with mopen case)
	<b>Light emission:</b> yellow (amber)		<b>Twilight:</b> on request		<b>Temperature:</b> -15 °C - +85 °C



## Alternate

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Photovoltaic kit:</b> standard 110W / tri-flash 50W
	<b>Light source:</b> two optics with 232 high intensity leds		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> with cables included 34 x 34 x 4,5 cm 34 x 34 x 22 cm (with mopen case)
	<b>Luminous intensity:</b> Class L9M		<b>Duration:</b> standard flash mode 10h / 22h / 60h / 110h tri-flash mode 35h / 85h / 210h / 380h		<b>Weight:</b> with cables included 3,1 Kg 6,9 kg (with mopen case)
	<b>Light emission:</b> yellow (amber)		<b>Twilight:</b> on request		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
201900124	300 mm double flashing light synchronous
201900133	340 mm double flashing light synchronous with cap - case in mopen
201900127	300 mm double flashing light alternate
201900136	340 mm double flashing light alternate with cap - case in mopen

## Flashing Light "Bike Light"

### Description:









Led Bike Light diameter 300 mm has been designed to show bicycles lanes. It is made by 132 green color LED that designed the symbol of a bicycle. The product is available in three versions: only board to mounted in exiting sign,

with orange housing to mount on a pole with a thin transparent light. It is a very good solution to warn the driver of the presence of the bicycle lane.

### Strengths:

Easy to install, low consumption, high visibility at night.



	<b>Photovoltaic kit:</b> 50 W		<b>Temperature:</b> -15 °C - +85 °C		<b>Type of Batteries:</b> 18Ah / 40Ah / 100Ah / 180Ah		<b>Dimensions (H / L / W):</b> 23 x 22 x 4 cm 23 x 22 x 16 cm (with mopen case)
	<b>Light source:</b> nr. 132 green leds		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Consumption:</b> Standard mode 41 mA @12Vdc Flash mode 18 mA @12Vdc Tri-flash mode 27 mA @12Vdc		<b>Weight:</b> 1,16 Kg 3,56 kg (with mopen case)



technical datasheet



Code	Description
201900468	Bike Green Led Light 300 mm

## Led Light Ø 200 mm with Arrow/Cross

Led warning lights for special applications

### Description:







Bicolor Led light with 200 mm diameter used to be mounted in signs for special applications. The light is composed by 40 high intensity green leds to create the cross and by 48 red color leds to create the arrow. The product is available in 3 versions: only the board to be

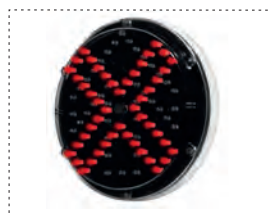
mounted in existing signs, with or without the orange housing depends on the application the customer needs. It is possible to change the configurations with a special remote control.

### Strengths:

Simple to install, low consumption.



	<b>Dimensions:</b> Optic diameter 200 mm		<b>Light source:</b> Arrow shape 40 green leds Cross shape 48 red leds		<b>Power supply:</b> 12 V <sub>dc</sub>
	<b>Consumption:</b> Red average 240 mA Green average 280 mA		<b>Type of power:</b> network; photovoltaic panel; public network		<b>Temperature:</b> -20 °C - +85 °C



technical datasheet



Code	Description
201900385	Arrow-cross led optic green/red Ø 200
205500265	Remote control to change arrow/cross configuration





## LM Check







### Description:

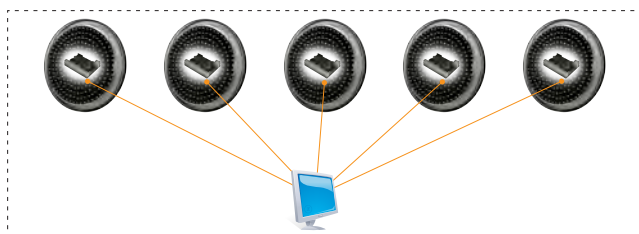
LEDs optics control card that calculating the level of absorption of the optics can determine anomalies on the led without the direct control of the operator. Especially useful in difficult areas such as: in the galleries and in isolated streets.

### Strengths:

Possibility of remote control of the lamp, very useful when is not possible to send personnel to check the working of the luminous systems.



	<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Transmission interface:</b> RS485
	<b>Consumption:</b> 20 mA		<b>Dimensions (H / L / W):</b> 5 x 6,7 x 1,7 cm
	<b>Twilight:</b> no		<b>Weight:</b> 0,5 Kg



technical datasheet



Code	Description
204500174	LM Check

## Remote Control for Led optics







### Description:

It allows to program the LEDs flashing lights deciding the type of flashing, the synchronization (between master and slave) to use. It also permit to choose the twilight or the backlight function.

### Strengths:

Minimize of the inventory. Availability to program by your self the optics according to the specific need.



	<b>Power supply:</b> 9 V <sub>dc</sub>		<b>Dimensions (H / L / W):</b> 14 x 6 x 3 cm
	<b>Type of Batteries:</b> nr. 1 / 6LR61		<b>Weight:</b> 0,1 Kg
	<b>On/off switch:</b> outside		<b>Temperature:</b> -15 °C - +85 °C



technical datasheet



Code	Description
204500191	Remote control for led optics



# Led Traffic Light with cable

## Description:

The system consists of 2, 3 or 4 mobile trolleys completed with a lantern with 3 Ø 200 LED lights and connected together by cables. It is used in long-term work zones or in long-term restrictions created to change the traffic flow.

## Strengths:

The multifunctional digital control unit can manage inputs from remote control or external sensors and connect remotely via GSM connection (optional) the traffic lights. The system allows you to connect up to 4 traffic lights together using the latest generation control units, the system must be connected with cables. The presence of the connection cable grants a perfect and lasting synchronization of the system.




	Units number: two		Times: 1 - 999 sec		Alarms: lamps, battery		Dimensions (H / L / W): box 70x80x50 cm
	Luminous intensity regulation: variable intensity depending on ambient light		Power supply: 12 V <sub>dc</sub>		Autonomy: (with battery of 100Ah) 7 days (168 hours)		Weight: 46 Kg
	Light source: led lantern		Connection type: quartz synchronization with cables		Maximum distance: max lenght of cables 600 mts		Temperature: -20 °C - +70 °C



technical datasheet



spare parts	Code: 205000098	Code: 201900192
		
	Code: 200600064	Code: 200200012
		Code: 200300011
		
Code: 200500077	Code: 201900162	Code: 201900167
	Code: 201900180	

Code	Description
205000098	trolley
201900192	lantern
200600064	QM09 control unit
200200012	12V 3,0Ah 230VAC power supply feeder
200300011	100 Ah battery
200500077	power supply cable
201900167	green led light Ø 200 mm
201900180	amber led light Ø 200 mm
201900162	red led light Ø 200 mm
200500134	200 m connection cable

Code	Description
205000086	Led traffic lights with cables - 2 ways
205000087	Led traffic lights with cables - 3 ways
205000088	Led traffic lights with cables - 4 ways

# Led Traffic Light

## Description:

The device is composed of two mobile foldable trolleys with traffic lights, it is mainly used in working zones in urban or suburban areas.

Out of the city center the device can be preceded by the warning signal "traffic light" with yellow flashing light.

## Strengths:

Practical to use, the foldable model can guarantee a reduced size during the carrying phases. The LED lenses guarantee high brightness with low consumption and allows to use one battery of 100 Ah. The light is automatically regulated in order to improve the visibility during the night.

New wheels and adjustable pole that give to the device a greater strenght.



	<b>Units number:</b> two		<b>Times:</b> 1 - 99 sec 5 - 495 sec		<b>Alarms:</b> lamps, battery		<b>Dimensions (H / L / W):</b> box 70x80x50 cm
	<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Autonomy:</b> (with battery of 100Ah) 7 days (168 hours)		<b>Weight:</b> 46 Kg
	<b>Light source:</b> led lantern		<b>Connection type:</b> quartz synchronization		<b>Maximum distance:</b> depending on travel time		<b>Temperature:</b> -20 °C - +70 °C



technical  
datasheet



<b>spare parts</b>		Code: 205000098		Code: 201900192
		Code: 200600077		Code: 200200012
		Code: 200300011		Code: 200500077
		Code: 201900167		Code: 201900180
		Code: 201900162		

Code	Description
205000098	trolley
201900192	lantern
200600077	led traffic light control unit single
200200012	12V 3,0Ah 230VAC power supply feeder
200300011	100 Ah battery
200500077	power supply cable
201900167	green led light
201900180	amber led light
201900162	red led light

Code	Description	Pack	Pallet
205000069	Led traffic light	1 couple	2 couples



# ZUCALANDIA

## QM3NFC Control Unit

### Description:

QM3NFC is the control unit realized for our led traffic lights. It is produced to work in couple and with the **new NFC application** it is possible to **program** your led traffic light **with your Android smartphone**.

The control unit is composed by a display with 7 digits where you can set up the time, there is a connection cable to the battery and 6 leds for the simulation of phase I and phase II of the two traffic lights.










There are 6 buttons that can be used to set up: time/start/On/Off/Flashing mode.

It can be used with led lights or with the traditional lights with 12 V Max 25W bulb, with or without cables of connection.

### Strengths:

Easy to use, very reliable, it has a very low consumption. The control unit makes a systematic control of the lights consumption so it is possible to verify if there is any problem in the system due to a problem in the power supply and in this case the yellow light will start flashing. The control units re-synchronize themselves even if there has been a long duration of inactivity due to a lack of power supply, so you do not need to re-synchronize them.



	<b>Max phases:</b> two		<b>Times:</b> 1 - 999 sec		<b>Alarms:</b> Lamp, battery, communication
	<b>Light source:</b> led or traditional lantern		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Autonomy:</b> (100 Ah battery) 7 days
	<b>Dimensions (H / L / W):</b> 8,4 x 17,5 x 12,5 cm		<b>Weight:</b> 0,390 Kg		<b>Temperature:</b> -15 °C - +85 °C



technical  
datasheet



Code	Description
200600088	QM3NFC control unit single



# Led Traffic Light "Count Down"

## Description:

The device is composed of two mobile foldable trolleys with traffic lights, it is mainly used in working zones in urban or suburban areas.

The Count Down counts the remaining seconds to change the sequence from red to green and vice-versa.

## Strengths:

Practical to use, the foldable model can guarantee a reduced size during the carrying phases. The LED lenses guarantee high brightness with low consumption and allows to use one battery of 100 Ah. The light is automatically regulated in order to improve the visibility during the night.

New wheels and adjustable pole give to the device a greater strenght.



	<b>Units number:</b> two		<b>Type of Batteries:</b> batteries - network		<b>On/off switch:</b> internal		<b>Dimensions (H / L / W):</b> box 70 x 50 x 80 cm
	<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Consumption:</b> avarage 1,1A max 1,6A		<b>Weight:</b> 46 Kg
	<b>Light source:</b> led lantern (yellow 2 ciphers)		<b>Connection type:</b> quartz synchronization		<b>Maximum distance:</b> depending on travel time		<b>Temperature:</b> -20 °C - +70 °C



technical  
datasheet



**RoHS**  
2002/95/EC

Code	Description
205000098	trolley
205000096	lantern with count down
200600077	led traffic light control unit single
201900367	count down led light
200200012	12V 3,0Ah 230VAC power supply feeder
200300011	100 Ah battery
200500077	power supply cable

Code	Description	Pack	Pallet
205000095	Led traffic light - Count Down	1 couple	2 couples





# ZUCALANDIA

## Multifunction Control Unit













### Description:

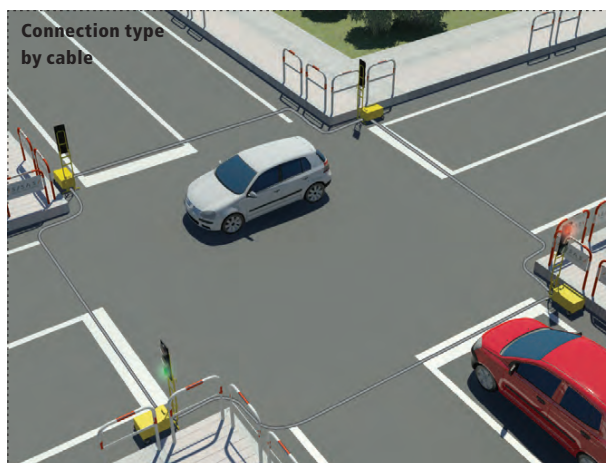
Control unit for traffic lights, thanks to its versatility, can be used either with lamps or LED, in the systems with or without cables. Its use is indicated in any working zones when is required safety and security.

### Strengths:

The device allows to control up to 8 traffic lights with 4 different phases, the **GSM** module permits the programming and the control of the traffic light and the managing of warning messages via sms to control eventual problems. Thanks to the radar connection is possible to raise the time of the green light if there are more vehicles transiting in one direction, in order to avoid queues.



	Max phases: four		Times: 1 - 999 sec		Alarms: Lamp, battery , communication		Dimensions (H / L / W): 6,5 x 22 x 12,5 cm
	Max repeaters: four		Power supply: 12 V <sub>dc</sub>		Autonomy: (100 Ah battery) 7 days		Weight: 0,5 Kg
	Light source: led or traditional lantern		Connection Type: quartz synchronization (2 phases) and by cable / <b>GSM</b>		Maximum distance: Maximum cable lenght 600 m		Temperature: -15 °C - +85 °C



Code	Description
204000023	Radar
204500213	Radio module <b>GSM</b>
200500138	Remote control button with 10m cable
200500077	power supply cable

Code	Description
200600064	QM09 control unit

## Flashing Light "E-one Radio Sincroled"

Fresnel Lens



**L8G**  
**Brightness**

## Flashing Light "E-ONE STAR Radio Sincroled"

Yellow Fresnel Lens



**L8M**  
**Brightness**

### Description:

It allows to create a luminous sequence to warn the vehicles of a deviation or a lane change. It is mainly used in highways working zones and for supplementing normal signals. The device can be composed by two lamps or more. The synchronization is made through the sequential activation of the

flashing lights. It has 4 luminous levels that adapt themselves automatically to the ambient light.

technical datasheet



### Strengths:

Thanks to an innovative Fresnel lens, the device can guarantee an high luminous emission visible even from great distances. Because of the only one LED present, the device has a very low consumption. It is very easy to install, thanks to the small dimensions and to the absence of cables.

technical datasheet



### E-one Radio Sincroled

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>luminous intensity:</b> Class L8G		<b>Type of battery:</b> nr. 2 4R25 batteries of: 7 Ah / 25 Ah / 45 Ah		<b>Dimensions (H / L / W):</b> 36,5 x 20 x 9,5 cm
	<b>Light source:</b> 3W yellow led		<b>Power supply:</b> 6 V <sub>dc</sub>		<b>Duration:</b> 290 h / 1000 h / 1900 h		<b>Weight:</b> 0,7 Kg
	<b>Light emission:</b> sequential flashing, groups of five		<b>Twilight:</b> yes		<b>On/off switch:</b> external		<b>Temperature:</b> -20 °C - +85 °C

### E-ONE STAR Radio Sincroled

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>luminous intensity:</b> Class L8M		<b>Type of battery:</b> nr. 2 4R25 batteries of: 25 Ah		<b>Dimensions (H / L / W):</b> 36,5 x 20 x 9,5 cm
	<b>Light source:</b> 12 W yellow led		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Duration:</b> 390 h		<b>Weight:</b> 0,7 Kg
	<b>Light emission:</b> sequential flashing, groups of five		<b>Twilight:</b> yes		<b>On/off switch:</b> external		<b>Temperature:</b> -20 °C - +85 °C



accessories	Code: 200300016	Code: 200300022	Code: 202000059	Code	Description
				200300016	6 V 7 Ah battery
				200300022	6 V 25 Ah battery
				202000059	Universal bracket

Code	Description	Pack	Pallet
202000074	E-One radio Sincroled	12 pcs	24 paks
202000109	E-ONE STAR radio Sincroled	12 pcs	24 paks

# **ZUCALANDIA** **"Radio Sincroled"**



## Description:

The device allows to create a luminous sequence to signal to the vehicles a lane restriction or a lane changing. It is mainly used in highway working zones, supplementing the normal signals. The synchronization is made via radio through the sequential switching of the flashing lights.

The New Sincroled Radio IoT is equipped with LORA module, it can synchronize together the different flashing lights, and it can also send malfunctions alert messages. (Hubradio).

## Strengths:













Quick installation thanks to the absence of cables and to its small dimensions. The lamp is equipped with LED light at high brightness (L8H) and low consumptions. It is possible to choose different modality of flashing and also to control the battery level. The lamps synchronization is unlimited in order to guarantee its use even in long lasting working zones.

The Hub detects all the communication between the radio devices and the information can be sent by GPRS to the WEB

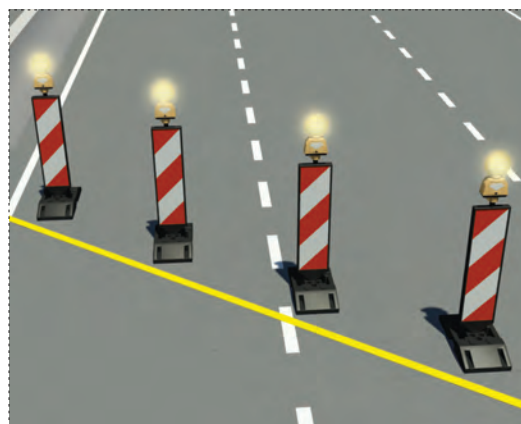
portal to collect, process and display the data.

All the devices are monitored and controlled so to grant a prompt reporting of any malfunctions or road accidents to the personnel in charge who will be able to promptly restore construction site safety.



	<b>Certifications:</b> In compliance with UNI EN 12352		<b>luminous intensity:</b> Class L8H		<b>Type of battery:</b> nr. 2 4R25 batteries of: 7 Ah / 25 Ah / 45 Ah		<b>Dimensions (H / L / W):</b> 36,5 x 20 x 9,5 cm
	<b>Light source:</b> 120 led amber		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Duration:</b> 44 h / 160 h / 280 h		<b>Weight:</b> 0,7 Kg
	<b>Light emission:</b> sequential yellow (amber)		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>On/off switch:</b> external		<b>Temperature:</b> -20 °C - +85 °C

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technical datasheet



**RoHS**  
2002/95/EC

<b>accessories</b>	 Code: 200300016	 Code: 200300022	 with 42 mm cap
	 Code: 200300038	 Code: 204200005	
	 Code: 201800033		

Code	Description
200300016	6 V 7 Ah battery
200300022	6 V 25 Ah battery
200300038	6 V 45 Ah battery
204200005	White/Red Engineer Grade 25x100 cm signal panel
201800033	28 kg safety base

Code	Description	Box
202000110	Radio Sincroled lot 2022	4 pcs
202000111	Radio Sincroled with 42 mm cap lot 2022	4 pcs



# Flashing Light "Sequential System with Cables"

## Description:

The device is made of homologated LED lamps (master and slave) with via cable synchronization, without electronic control unit. The module permits to realize a luminous sequence of different length in order to warn the drivers of a lane restriction or a roadway changing. Mainly used in highway working zones.

## Strengths:

Thanks to the master light it is possible to set up 3 different speeds for the luminous sequence, the activation of two-light and guide light. It is possible to configure the system with only slave lights, if the functions of the master are not required. Safe lamps synchronization thanks to the cables. It is possible to apply the lamps on different supports thanks to the rear integrated bracket.



	<b>Certifications:</b> In compliance with UNI EN 12352		<b>luminous intensity:</b> Class L8H		<b>Type of battery:</b> 100 Ah / 180 Ah		<b>Dimensions (H / L / W):</b> 27,5 x 23 x 8 cm
	<b>Light source:</b> 120 amber led		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Duration:</b> 650 h / 1100 h *10 lights kit speed 2		<b>Weight:</b> Master 0,75 Kg Slave 1,9 kg (with 12 m cable)
	<b>Light emission:</b> 3 sequential speed		<b>Twilight:</b> switchable		<b>On/off switch:</b> absent, using battery cables		<b>Temperature:</b> -15 °C - +85 °C



Master Light

Slave Light



technical datasheet



**RoHS**  
2002/95/EC

accessories	Code: 200500120	Code: 200500124	Code: 909037186	Code	Description
				200500120	Adapter cable for slave light
				200500124	Extension 15 m cable
				909037186	cap for 60 mm pole
				204200005	White/Red Engineer Grade 25x100 cm signal panel
				201800033	kg 28 safety base
				200200011	12V 3,0Ah 230VAC power supply feeder for sequential system
				201200036	Battery holder
				200300011	100 Ah battery
				200300001	180 Ah battery

Code	Description
201900187	Master Light
201900188	Slave Light
200500119	Power supply 5 m cable for master light



# Flashing Light "E-one Sequential System with Cables"

Fresnel Lens



## Description:













The device is made of homologated E-one yellow led lamps via cable synchronization, without electronic control unit. The module permits to realize a luminous sequence of different length in order to warn




the drivers of a lane restriction or a roadway changing. Mainly used in highway working zones.

## Strengths:

The system is configured with only slave lights, up to 30 lamps in a row. Because of the innovative Fresnel lens, the device can guarantee a high luminous emission visible even from great distances. Thanks to the only

one LED, the device has a very low consumption. Safe lamps synchronization thanks to the cables. It is possible to apply the lamps on different supports thanks to the rear integrated bracket.

	<b>Certifications:</b> In compliance with UNI EN 12352		<b>luminous intensity:</b> Class L8G		<b>Type of battery:</b> 100 Ah		<b>Dimensions (H / L / W):</b> 36,5 x 20 x 9,5 cm
	<b>Light source:</b> 3W amber led		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Duration:</b> 600 h *5 lights kit		<b>Weight:</b> Slave 1,4 kg (with 12 m cable)
	<b>Lenses:</b> Fresnel lens		<b>Twilight:</b> yes		<b>On/off switch:</b> absent, using battery cables		<b>Temperature:</b> -15 °C - +85 °C

accessories	Code: 204200005	Code: 201800033	Code: 200300011
			

Code	Description
204200005	White/Red Engineer Grade 25x100 cm signal panel
201800033	kg 28 safety base
200300011	100 Ah battery

Code	Description
202000095	Slave E-one with cable
200500150	Power supply cable



technical datasheet



## Directional Led Panel "60x60 cm - 8 Led optics"

(Ø 100 mm)













### Description:

Used in steady or mobile working zones, they can be applied on stands, on poles or fixed on vans, trailers and operative machines. Thanks to the

rear swivel is possible to realize a right or left arrow.

### Strengths:

The structure is made of aluminum that guarantees a very good resistance to the hurts and to the weathering. High luminous LED lenses. Light sensor for auto brightness.

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>On/off switch:</b> absent
	<b>Light source:</b> nr. 8 leds optics of ø 100 mm		<b>Type of battery:</b> 40 Ah / 100 Ah / 180 Ah		<b>Dimensions (H / L / W):</b> 60 x 60 x 13 cm
	<b>Light emission:</b> yellow (amber)		<b>Duration:</b> 120 h / 300 h / 520 h		<b>Weight:</b> 6 Kg
	<b>Luminous intensity:</b> Class L2H		<b>Twilight:</b> no		<b>Temperature:</b> -15 °C - +85 °C



**RoHS**  
2002/95/EC

technical datasheet



Code	Description
203400014	60x60 cm directional led panel ø 100 mm

## Directional Led Panel "70x70 cm - 13 Led optics"

(Ø 100 mm)













### Description:

Used in steady or mobile working zones, they can be applied on stands, poles or fixed on vans, trailers and operative machines. Thanks to the presence

of 13 lenses is possible to realize: right arrow, left arrow, X for danger.

### Strengths:

The structure is made of aluminum that guarantees a very good resistance to the hurts and to the weathering. High luminous LED lenses. Light sensor for auto brightness.

	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>On/off switch:</b> outside
	<b>Light source:</b> nr. 13 leds optics of ø 100 mm		<b>Type of battery:</b> 40 Ah / 100 Ah / 180 Ah		<b>Dimensions (H / L / W):</b> 70 x 70 x 13 cm
	<b>Light emission:</b> yellow (amber)		<b>Duration:</b> 120 h / 300 h / 520 h		<b>Weight:</b> 8,2 Kg
	<b>Luminous intensity:</b> Class L2H		<b>Twilight:</b> no		<b>Temperature:</b> -15 °C - +85 °C



**RoHS**  
2002/95/EC

technical datasheet



Code	Description
203400016	70x70 cm directional led panel ø 100 mm
203400010	Remote control



# Directional Led Panel "90x90 cm - 8 Led optics"

(Ø 200 mm)

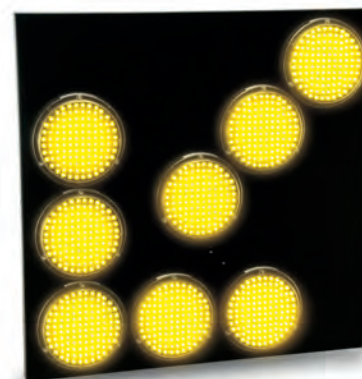
## Description:

Used in steady or mobile working zones, they can be applied on stands, on poles or fixed on vans, trailers and operative machines. Thanks to the rear swivel

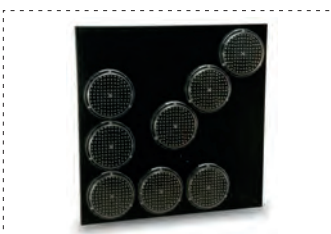
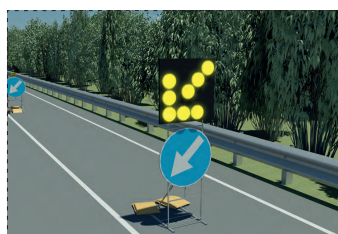
is possible to realize a directional arrow to the left or to the right.

## Strengths:

The structure is made of aluminum that guarantees a very good resistance to the hurts and to the weathering. High luminous LED lenses. Light sensor for auto brightness.



	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>On/off switch:</b> absent
	<b>Light source:</b> nr. 8 leds optics of ø 200 mm		<b>Type of battery:</b> 40 Ah / 100 Ah / 180 Ah		<b>Dimensions (H / L / W):</b> 90 x 90 x 13 cm
	<b>Light emission:</b> yellow (amber)		<b>Duration:</b> 29 h / 70 h / 130 h		<b>Weight:</b> 13,2 Kg
	<b>Luminous intensity:</b> Class L8H		<b>Twilight:</b> no		<b>Temperature:</b> -15 °C - +85 °C



RoHS  
2002/95/EC



Code	Description
203400015	90x90 cm directional led panel ø 200 mm

# Directional Led Panel "105x105 cm - 13 Led optics"

(Ø 200 mm)

## Description:

Used in steady or mobile working zones, they can be applied on stands, poles or fixed on vans, trailers and operative machines. Thanks to the pre

sence of 13 lenses is possible to realize: right arrow, left arrow, X for danger.

## Strengths:

The structure is made of aluminum that guarantees a very good resistance to the hurts and to the weathering. High luminous LED lenses. Light sensor for auto brightness.



RoHS  
2002/95/EC



Code	Description
203400017	105x105 cm directional led panel ø 200 mm
203400010	Remote control





# Directional Led Panel "90x90 cm - 13 Led DS200 optics"

(Ø DS200 mm)

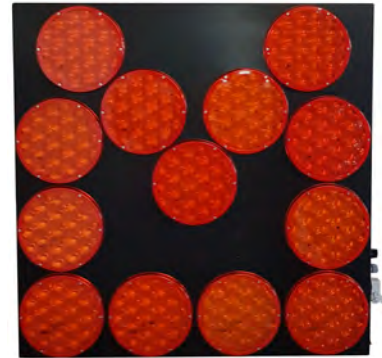
## Description:

Used in steady or mobile working zones, they can be applied on stands, poles or fixed on vans, trailers and operative machines. Thanks to the presence of 13 lenses is possible to realize: right arrow, left arrow, X for danger.

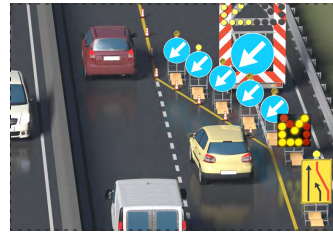
sence of 13 lenses is possible to realize: right arrow, left arrow, X for danger.

## Strengths:

The structure is made of aluminum that guarantees a very good resistance to the hurts and to the weathering. High luminous LED lenses. Light sensor for auto brightness.



	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>On/off switch:</b> outside
	<b>Light source:</b> nr. 13 leds optics of ø DS200 mm		<b>Type of battery:</b> 40 Ah / 100 Ah / 180 Ah		<b>Dimensions (H / L / W):</b> 90 x 90 x 13 cm
	<b>Light emission:</b> yellow (amber)		<b>Duration:</b> 29 h / 70 h / 130 h		<b>Weight:</b> 10 Kg
	<b>Luminous intensity:</b> Class L8H		<b>Twilight:</b> no		<b>Temperature:</b> -15 °C - +85 °C



**RoHS**  
2002/95/EC



Code	Description
203400054	90x90 alluminium panel - 13 lights DS200
203400010	Remote control

# Road Flag Mover

## Description:

Provided with 200mm, 300 mm optics or both (200mm and 300mm) the flag mover is used close or inside the work zones in highways to advice the users of the roads about a presence of works, warning them to slow down and to be careful. The flag mover has been designed to make configurations for deviations on the right or on the left.

## Strengths:

Thanks to the foldable structure, two wheels and the handle for the transport, the movement operations and the installations in the work zones are easy and increase the security of the workers. High visibility and low energy consumption are granted by using led lights. High reflective orange fluorescent flag for high visibility.



	<b>Certifications:</b> In compliance with UNI EN 12352		<b>luminous intensity:</b> Ø 200 mm Class L8H Ø 300 mm Class L9M		<b>Type of battery:</b> 100 Ah / 180 Ah		<b>Dimensions (H / L / W):</b> box 112 x 53,5 x 51 cm
	<b>Light source:</b> 200 mm optics 120 led amber 300 mm optics 232 led amber		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Duration:</b> optic Ø 200 mm: 42 h / 76 h optic Ø 300 mm: 40 h / 72 h optic Ø 200+300 mm: 38 h / 69 h		<b>Weight:</b> 26,5 Kg
	<b>Light emission:</b> yellow (amber)		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>On/off switch:</b> external		<b>Temperature:</b> -15 °C - +85 °C



**RoHS**  
2002/95/EC

Code	Description
204400030	Road flag mover 200 mm
204400032	Road flag mover 300 mm
204400033	Road flag mover 200 mm + 300 mm



# Barrier with 5 Led optics

## Description:

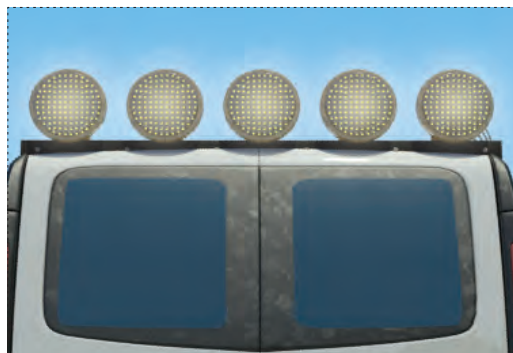
Mainly used for applications on emergency vehicles or on working machines, its purpose is to catch the driver's attention for a dangerous situations, a lane deviation or lane changing.

## Strengths:

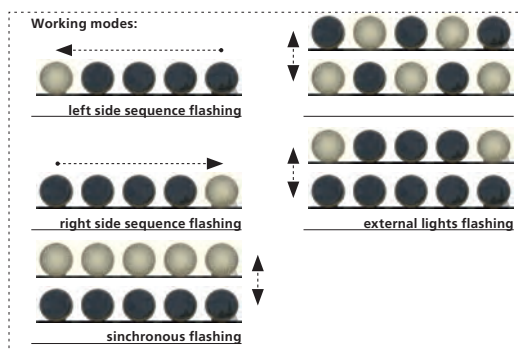
Handled by the driver with a remote control. Possibility to choose different configurations of the high brightness LED lights, depending on the operator needs. Easy to install or to remove on any kind of vehicle.



<b>U</b>	<b>Certifications:</b> In compliance with UNI EN 12352		<b>luminous intensity:</b> Class L8H		<b>Type of battery:</b> 12 V <sub>dc</sub> vehicle battery		<b>Dimensions (H / L / W):</b> 140 x 28 x 17 cm
	<b>Light source:</b> five optics with 120 led amber		<b>Power supply:</b> 12 V <sub>dc</sub>				<b>Weight:</b> 9,5 Kg
	<b>Light emission:</b> yellow (amber)		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>On/off switch:</b> external		<b>Temperature:</b> -15 °C - +85 °C



Remote control  
Code: 201900213



technical datasheet



**RoHS**  
2002/95/EC

Code	Description
201900174	Barrier with 5 lights with remote control

## Warning Trailers

### Description:

Location mobile signal placed on a trailer pulled by a vehicle. It is mainly used for signaling highway working zones. Equipped with LED lights and with arrow signal adjustable to the free side, its purpose is to signal to the driver the deviation to follow. Our standard trailer is composed by 23 Ø 200 mm led lights and 2 Ø 300 mm to show the different configurations: arrow right/arrow left/triangle/double arrow and right or left sequence. The led lights are mounted in a structure made













of aluminum plate covered by white/red HI tape. All the structure is made by galvanized steel: the loading compartment is in zinc plated material and it is composed by 3 parts: 1 closed space for the batteries, 2 open spaces where is possible to place different tools. It is possible to have the trailer with or without brakes. Equipped also with manual blue arrow sign. The maximum speed in closed position is 80 km/h while in the operating position is 25 km/h.

### Strengths:

High visibility, strong structure resistant to the hurts, vain used to transport various tools.

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	<b>Certifications:</b> in compliance with UNI EN 12352		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>On/off switch:</b> outside
	<b>Light source:</b> nr. 23 of 200 mm optics + nr. 2 of 300 mm optics		<b>Type of battery:</b> nr. 2 batteries 180 Ah		<b>Dimensions (H / L / W):</b> closed: 222,2 x 220 x 250 cm
	<b>Light emission:</b> yellow (amber)		<b>Consumption:</b> minimum 25 mA maximum 16,5 A		<b>Weight:</b> 560 kg
	<b>Luminous intensity:</b> 200 mm Class L8H 300 mm Class L9M		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>Temperature:</b> -15 °C - +85 °C



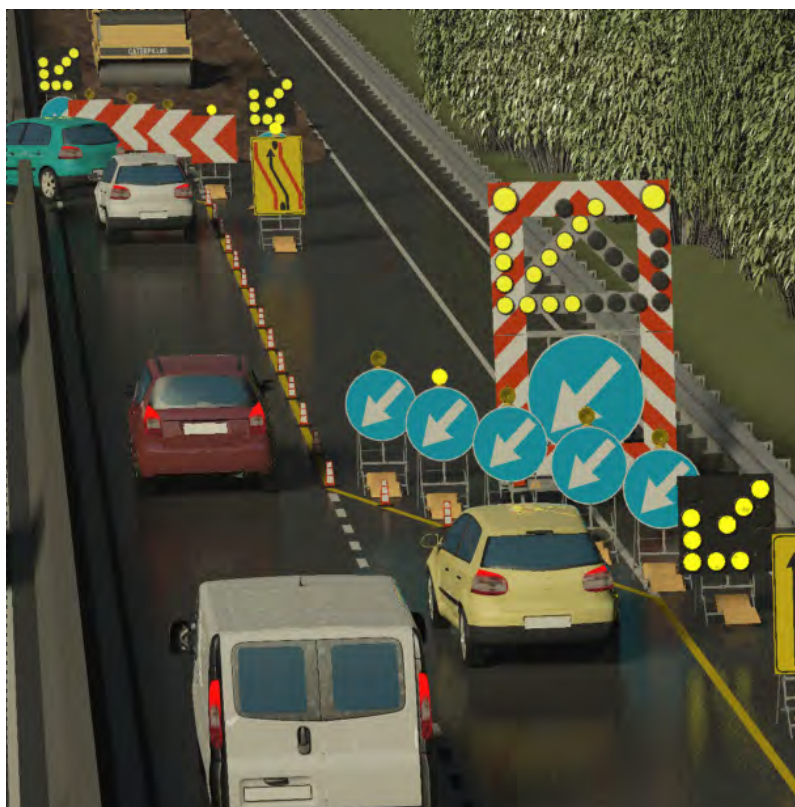
**RoHS**  
2002/95/EC

technical datasheet



code 909032077

code 909032080



Code	Description
909032167	Warning trailer (fig. 401) with High Intensity Grade tape
909032080	Caravan hook for warning trailer
909032077	Ball hook for waring trailer





# ZUCALÂNDIA

## SISAS Range of Foldable Trailers

5 led lights 300 mm  
+ Barrier with 5 led lights



5 led lights 300 mm



23 led lights 200 mm  
+ 2 led lights 300 mm



## New Trailers with Electrical Lift

5 led lights 300 mm  
+ Barrier with 5 led lights  
with electrical lift



5 led lights 300 mm  
with electrical lift



23 led lights 200 mm  
+ 2 led lights 300 mm  
with electrical lift



## h 30 cm Rubber Cones

Engineer Grade - High Intensity Grade -  
Fully Reflective High Intensity Grade



**2 Bands**  
(Engineer Grade)



**2 Bands**  
(High Intensity Grade)



**Fully Reflective**  
(High Intensity Grade)



### Description:

They are used to show working zones in parking and private areas.

### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.

	<b>Dimensions:</b> H: 30 cm Base: 23 x 23 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> 0,9 Kg		<b>External surface treatments:</b> anti-aging red painting / application of bands E.G. or H.I. tape



Code	Description	Pallet
101030213	30 cm rubber cone - 2 bands Engineer Grade	240 pcs
101030223	30 cm rubber cone - 2 bands High Intensity Grade	240 pcs
101030523	30 cm rubber cone - fully reflective High Intensity Grade	240 pcs

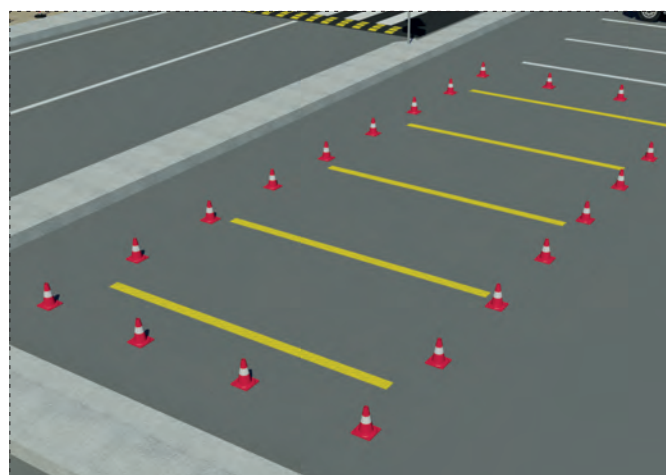
## h 30 cm Plastic Cone

### Description:

They are used to delimit and to show maintenance and working zones, in private areas and parking.

### Strengths:

Resistant to the hurts of the passing vehicles, easily handling during the installation and removal thanks to the grip on the top of the cone.



	<b>Dimensions:</b> H: 30 cm Base: 21 x 21 cm		<b>Construction materials:</b> plastic product
	<b>Weight:</b> 0,3 Kg		<b>External surface treatments:</b> application of 1 band

Code	Description	Pack	Pallet
909011001	30 cm plastic cone - white/red	20 pcs	30 packs



# h 50 cm Rubber Cone

Engineer Grade

## Description:

They are used to delimit and to show maintenance and working zones particularly during the day.

## Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> H: 50 cm Base: 28 x 28 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> 2,1 Kg		<b>External surface treatments:</b> anti-aging red painting / application of 2 bands E.G.

Code	Description	Pallet
101050313	50 cm rubber cone - 2 bands Engineer Grade	200 pcs

# h 50 cm Rubber Cone

High Intensity Grade

## Description:

They are used to delimit and to show maintenance and working zones particularly during the night.

## Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> H: 50 cm Base: 28 x 28 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> 2,1 Kg		<b>External surface treatments:</b> anti-aging red painting / application of 2 bands H.I.

Code	Description	Pallet
101050223	50 cm rubber cone - 2 bands High Intensity Grade	200 pcs

# h 50 cm Rubber Cone

Fully reflective High Intensity Grade

## Description:

They are used to delimit and to show maintenance and working zones particularly during the night.

## Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> H: 50 cm Base: 28 x 28 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> 2,1 Kg		<b>External surface treatments:</b> anti-aging red painting / application of fully reflective tape H.I.

Code	Description	Pallet
101050523	50 cm rubber cone - fully reflective High Intensity Grade	200 pcs

# h 50 cm HDPE Cone

## Description:

They are used to delimit and to show maintenance and working zones, in private areas and parkings.

## Strengths:

Resistant to the hurts of the passing vehicles, easily handling during the installation and removal thanks to the grip on the top of the cone.



	<b>Dimensions:</b> H: 50,5 cm Base: 27,5 x 27,5 cm		<b>Construction materials:</b> HDPE product
	<b>Weight:</b> 0,7 Kg		<b>External surface treatments:</b> application of 2 bands

Code	Description	Pack	Pallet
909011003	50 cm HDPE cone - white/red	10 pcs	24 packs





## ZUCALÂNDIA

### h 75 cm Rubber Cone

Engineer Grade

#### Description:

They are used to show working zones in highway during the day and as a base for the sequential flashing light.

#### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> H: 75 cm Base: 40 x 40 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> 7,5 Kg		<b>External surface treatments:</b> anti-aging red painting / application of 2 bands E.G.

Code	Description	Pallet
101075213	75 cm rubber cone - 2 bands Engineer Grade	50 pcs

## h 75 cm Rubber Cone

High Intensity Grade

#### Description:

They are used to show working zones in highway during the night and as a base for the sequential flashing light.

#### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the band increase the visibility.



	<b>Dimensions:</b> H: 75 cm Base: 40 x 40 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> 7,5 Kg		<b>External surface treatments:</b> anti-aging red painting / application of 2 bands H.I.

Code	Description	Pallet
101075223	75 cm rubber cone - 2 bands High Intensity Grade	50 pcs

## h 75 cm Rubber Cone

Fully reflective High Intensity Grade

#### Description:

They are used to show working zones in highway during the night and as a base for the sequential flashing light.

#### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> H: 75 cm Base: 40 x 40 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> 7,8 Kg		<b>External surface treatments:</b> anti-aging red painting / application of full y reflective tape H.I.

Code	Description	Pallet
101075523	75 cm rubber cone - fully reflective High Intensity Grade	50 pcs





# ZUCALANDIA

## Flexible EVA Defleco

High Intensity Grade

### Description:

It is used to delimit opposite or parallel working zones in suburban streets and highways during the night.

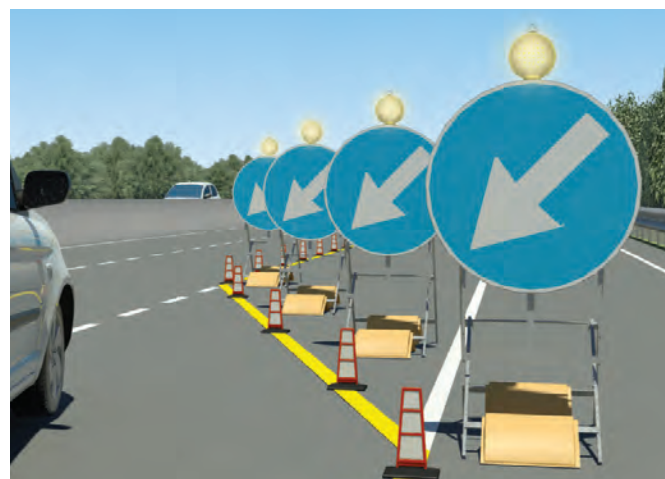
### Strengths:

Easy to install and to remove thanks to the adhesive. High resistant material.



	<b>Dimensions:</b> Body (H/L/W) 33 x 11,5 x 1,5 cm Base (H/L/W) 2,5 x 21 x 15 cm		<b>Construction materials:</b> Eva body + rubber base
	<b>Weight:</b> total 1 kg		<b>External surface treatments:</b> 6 inserts H.I.

Code	Description	Pack	Pallet
104730031	Flexible EVA defleco with 6 inserts High Intensity Grade	20 pcs	12 packs



# Flexible rubber Defleco

High Intensity Grade

### Description:

It is used to delimit opposite or parallel working zones in suburban streets and highways during the night.

### Strengths:

Easy to install and to remove thanks to the specific adhesive. It is resistant to hurts and crushing.



	<b>Dimensions:</b> Body (H/L/W) 33,5x 11,5 x 4,5 cm Base (H/L/W) 2,5 x 21 x 15 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> total 1,5 kg		<b>External surface treatments:</b> anti-aging red painting of the delineator with 6 inserts H.I.

Code	Description	Pack	Pallet
104630621	Flexible rubber defleco with base 6 insert High Intensity Grade	50 pcs	12 packs

## Glue

Glue used to fix the delineators on the ground

### Description:

The glue is used to fix the delineators on the ground.

### Strengths:

The specific adhesive permits an easy installation and removal of the item.



	<b>Dimensions:</b> 23 x 19 cm		<b>Construction materials:</b>
	<b>Weight:</b> 4,75 kg		tin can

Code	Description
19900005	Glue for road delineators





**ZUCALÂNDIA**

## h 30 cm Rubber Cylinder

Engineer Grade

### Description:

It is used to point out and to delimit working zones, deviations or downspouts. Mainly used during the daytime.

### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> Body (H/L/W/) 30xØ7,5xØ11,2 cm Base (H/L) 3,3 x 25,5 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> total 1,6 kg		<b>External surface treatments:</b> anti-aging red painting / application of 3 bands E.G.

Code	Description	Pack	Pallet
114030311	30 cm rubber cylinder with base 3 bands Engineer Grade	25 pcs	12 packs

## h 30 cm Rubber Cylinder

High Intensity Grade

### Description:

It is used to point out and to delimit working zones, deviations or downspouts. Mainly used during the night.

### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> Body (H/L/W/) 30xØ7,5xØ11,2 cm Base (H/L) 3,3 x 25,5 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> total 1,6 kg		<b>External surface treatments:</b> anti-aging red painting / application of 3 bands H.I.

Code	Description	Pack	Pallet
114030321	30 cm rubber cylinder with base 3 bands High Intensity Grade	25 pcs	12 packs

## h 30 cm Rubber Cylinder

Fully reflective High Intensity Grade

### Description:

It is used to point out and to delimit working zones, deviations or downspouts. Mainly used during the night.

### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> Body (H/L/W/) 30xØ7,5xØ11,2 cm Base (H/L) 3,3 x 25,5 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> total 1,6 kg		<b>External surface treatments:</b> anti-aging red painting / application of fully reflective tape H.I.

Code	Description	Pack	Pallet
114030721	30 cm rubber cylinder with base fully reflective High Intensity Grade	25 pcs	12 packs

## h 60 cm Rubber Cylinder

High Intensity Grade

### Description:

It is used to point out and to delimit working zones, deviations or downspouts. Mainly used during the night.

### Strengths:

High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.



	<b>Dimensions:</b> Body (H/L/W/) 60xØ7,5/8,5xØ11,2 cm / Base (H/L) 3,3 x 25,5 cm		<b>Construction materials:</b> high elasticity vulcanized rubber product
	<b>Weight:</b> total 2,3 kg		<b>External surface treatments:</b> anti-aging red painting / application of 3 bands H.I.

Code	Description	Pallet
114060321	60 cm rubber cylinder with base 3 bands High Intensity Grade	100 pcs





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## Road Barrier

110x200 cm



### Description:

It is used to point out and to delimit working zones, deposits, pedestrian crossings, during events.

### Strengths:

Removable and adjustable leg barrier, that guarantee stability to the ground, anti-slip attaches. Thanks to the lateral brackets is possible to join the barriers together. The white/red panel guarantees a major night visibility.

	<b>Dimensions (H / L / W):</b> barrier: 110 x 200 x 3 cm		<b>Construction materials:</b> iron
	<b>Weight:</b> 110x200 cm: without panel with legs 10 kg with panel with legs 12,3 kg		<b>External surface treatments:</b> hot galvanized



accessories

Code: 909040017

Code: 909040025

Code: 909040030

technical

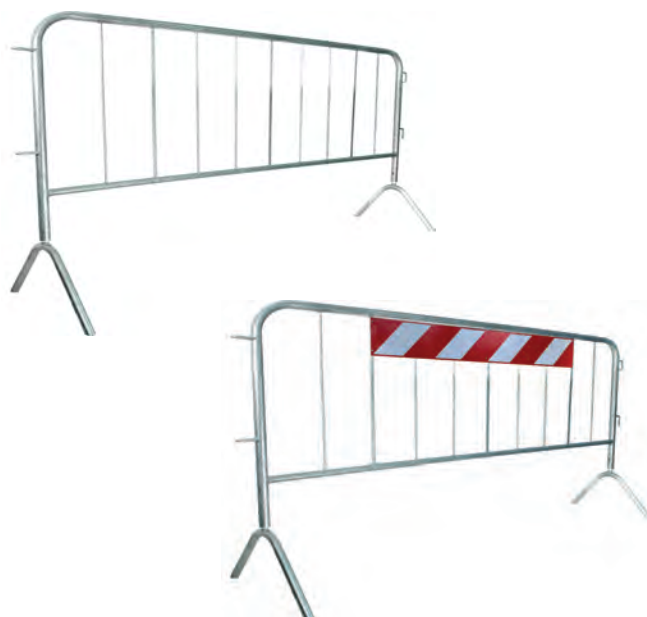
datasheet

Code	Description
909040017	normal leg
909040025	flat leg
909040030	panel 20x150 cm Engineer Grade white/red

Code	Description	Pallet
909040036	Barrier 110x200 cm with normal legs	30 pcs
909040040	Barrier 110x200 cm with white/red Engineer Grade panel and normal legs	30 pcs

## Road Barrier

110x250 cm



### Description:

It is used to point out and to delimit working zones, deposits, pedestrian crossings, during events.

### Strengths:

Removable and adjustable leg barrier, that guarantee stability to the ground, anti-slip attaches. Thanks to the lateral brackets is possible to join the barriers together. The white/red panel guarantees a major night visibility.

	<b>Dimensions (H / L / W):</b> barrier: 110 x 250 x 3 cm		<b>Construction materials:</b> iron
	<b>Weight:</b> 110x250 cm: without panel with legs 12 kg with panel with legs 14,2 kg		<b>External surface treatments:</b> hot galvanized



accessories

Code: 909040017

Code: 909040025

Code: 909040030

technical

datasheet

Code	Description
909040017	normal leg
909040025	flat leg
909040030	panel 20x150 cm Engineer Grade white/red

Code	Description	Pallet
909040037	Barrier 110x250 cm with normal legs	30 pcs
909040041	Barrier 110x250 cm with white/red Engineer Grade panel and normal legs	30 pcs



## "M10" Stand

### Description:

With 3 legs, it is used as a support for the 60 cm discs and for 90 cm triangles for temporary signaling in the working zones.

### Strengths:

Minimum size space, easy to install on the street.



○ Ø 60 cm rotary

△ L: 90 cm

□ 60x60 cm



technical  
datasheet



Dimensions (H / L / W):  
120 x 60 x 3 cm



Construction materials:  
iron



Weight:  
3 kg



External surface treatments:  
galvanized steel

Code	Description	Pack	Pallet
909008140	M10 stand	4 pcs	20 packs

## "M12" Stand

### Description:

With 4 legs, it is used as a support for the 60 cm discs and for 90 cm triangles for temporary signaling in the working zones.

### Strengths:

Minimum size space, easy to install on the street.



○ Ø 60 cm rotary

△ L: 90 cm

□ 60x60 cm



technical  
datasheet



Dimensions (H / L / W):  
122,5 x 60 x 3 cm



Construction materials:  
iron



Weight:  
4,2 kg



External surface treatments:  
galvanized steel

Code	Description	Pack	Pallet
909008141	M12 stand	3 pcs	20 packs

## "M14" Stand

### Description:

With 4 legs, it is used as a support for the 60 cm discs and for 90 cm triangles for temporary signaling in the working zones.

### Strengths:

Minimum size space, easy to install on the street.



○ Ø 60 cm rotary

△ L: 90 cm

□ 60x60 cm



technical  
datasheet



Dimensions (H / L / W):  
141 x 60 x 3 cm



Construction materials:  
iron



Weight:  
4,7 kg



External surface treatments:  
galvanized steel

Code	Description	Pack	Pallet
909008142	M14 stand	3 pcs	15 packs

## "M16" Stand

### Description:

With 4 legs, it is used as a support for the 90 cm discs and for 120 cm triangles for temporary signaling in the working zones.

### Strengths:

Minimum size space, easy to install on the street.



○ Ø 90 cm rotary  
+ adding panel 75x33 cm

△ L: 120 cm  
+ adding panel 105x35 cm

□ 90x90 cm  
+ adding panel



technical  
datasheet



Dimensions (H / L / W):  
154,5 x 62 x 3,5 cm



Construction materials:  
iron



Weight:  
7,3 kg



External surface treatments:  
fire painting

Code	Description	Pack	Pallet
909008100	M16 stand	12 pcs	60 pcs



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## "M17" Stand

### Description:

With 4 legs, it is used as a support for signs 90x135 cm for temporary signaling in the working zones.

### Strengths:

Minimum size space, easy to install on the street.

0 90x135 cm  
+ adding panel 90x30 cm



	<b>Dimensions (H / L / W):</b> 206,5 x 74,5 x 3,5 cm		<b>Construction materials:</b> iron
	<b>Weight:</b> 10,9 kg		<b>External surface treatments:</b> fire painting

Code	Description	Pack	Pallet
909008105	M17 stand	12 pcs	40 pcs

## Orange empty bag

### Description:

It is used to fix the stand on the ground, it can be filled with sand or water obtaining different weights according to the needs.

### Strengths:

Quick installation, resistant, ready to use.



	<b>Dimensions (H / L / W):</b> 58,6 x 39 cm		<b>Construction materials:</b> pvc
	<b>Weight:</b> 0,3 kg		<b>External surface treatments:</b> absent

Code	Description	Pallet
909033016	Orange empty bag	50 pcs

## Orange empty bag with cap

### Description:

It is used to fix the stand on the ground, with filler cap to be filled with water.

### Strengths:

Quick installation and easy handling.



	<b>Dimensions (H / L):</b> 60 x 40 cm		<b>Construction materials:</b> pvc
	<b>Weight:</b> 0,3 kg		<b>External surface treatments:</b> absent

Code	Description	Pack	Pallet
909033010	Orange empty bag with cap	50 pcs	10 packs

## Orange bag with Sand

### Description:

It is used to fix the stand on the ground, with sand inside.

### Strengths:

Quick installation, resistant, ready to use.



	<b>Dimensions (H / L / W):</b> 8 x 58 x 39 cm		<b>Construction materials:</b> pvc
	<b>Weight:</b> 13 kg		<b>External surface treatments:</b> absent

Code	Description	Pallet
909033005	Orange bag with sand	50 pcs





# Plastic Signs



Ecological



Light



Crush-proof



Strong



Long-lasting




## Description:

Plastic signs with different dimensions and shapes are used to replace the standard signs in aluminum or steel in different applications to regulate the traffic flow. Easily to install thanks to their light weight, they are particularly Indicated in temporary work zones. They can be fixed in any supports with the standard brackets.

## Strengths:

Weathering resistant, longer life than the standard sings.

<b>Dimensions:</b> Ø 60 cm thickness 4 mm		60 cm		<b>Weight:</b> 1,2 kg
<b>Dimensions:</b> side 90 cm thickness 4 mm		90 cm		<b>Weight:</b> 1,4 kg
<b>Dimensions:</b> 60 x 60 cm thickness 4 mm		60x60 cm		<b>Weight:</b> 1,5 kg



Code	Description
901200250	60 cm disc PP sign (no tape)
901200251	60 cm rotary PP disc (1 bracket)
901306850	60x60 cm PP sign (2 brackets)
901100250	90 cm PP triangle (2 brackets)



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## Adhesive for road Signs

Sisas is able to produce any kind of symbols for your signs in EG or HI tape with any kind of dimensions and according to the Norms of your country. If you send us the symbols you need, we are able to print all kind of adhesive to apply to your signs. Ask for quotation.



### Description

Adhesive for road signs





ZUCALÂNDIA

## 15 kg PVC Base

## Safety Signal Panel

White / Red Engineer Grade 25x100 cm

### Description:

Plastic delineator to be mounted in safety bases for application in road works area. EG tape applied on the body.

### Strengths:

Quick installation, resistant, ready to use.



Dimensions:  
25 x 100 cm



Construction materials:  
Plastic



Weight:  
2,90 kg



External surface treatments:  
EG tape applied on the body

### Code Description

Code	Description
204200005	Safety signal panel

## 28 kg PVC Base

### Description:

It is used to fix the panels to the ground.

### Strengths:

Quick installation, resistant, ready to use.



### Description:

It is used to fix the panels to the ground.

### Strengths:

It guarantees excellent stability of the signals. It is also easy to install.



Dimensions (H / L / W):  
11 x 50 x 40 cm



Construction materials:  
recycled PVC



Weight:  
15 kg



External surface treatments:  
application of bands E.G. or H.I. tape

Code	Description	Pallet
201800082	15 kg recycled PVC base	50 pcs



Dimensions (H / L / W):  
13 x 75 x 37,5 cm



Construction materials:  
recycled PVC



Weight:  
28 kg



External surface treatments:  
no

Code	Description	Pallet
201800033	28 kg recycled PVC base	30 pcs





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## Stacking New Jersey




### Description:

Modular element that permit to create: continuing barriers for traffic, delimitations of working zones, for dangerous zones, and private areas.

### Strengths:

The product can be stacked and so there is a big reduction of cost of transport and warehouse space, UV resistant, hurt resistant, quick and easy filling, space for road signs and lamps.

	<b>Dimensions (H / L / W):</b> 60 x 100 x 40 cm		<b>Construction materials:</b> polyethylene
	<b>Weight:</b> 6,5 kg to fill with max 30 liters of water		<b>External surface treatments:</b> uv treatments



Code	Description	Pallet
909025011	Red new jersey (stacking)	36 pcs
909025012	White new jersey (stacking)	36 pcs



## Pvc Pole




### Description:

They are mainly used to delimit areas of restricted access, working zones, private zones. Fitted with white/red chain and the base.

### Strengths:

Light, easy to install and to remove, resistant to the weathering.

	<b>Box includes</b>	6 PVC Bases 6 PVC Poles
---	---------------------	----------------------------



	<b>Dimensions (H / L / W):</b> pvc pole: 83 x Ø 4 cm base: 28 x 28 x 8,5 cm Total: 90 x 28 x 28 cm		<b>Construction materials:</b> plastics
	<b>Weight:</b> pvc pole: 0,2 kg empty base: 0,35 kg base with cement: 2,7 kg		<b>External surface treatments:</b> uv treatments



### Base with cement:

It is used combining with the pole and the white/red chain. Resistent and ready to use.

### Empty base:

It is used combining with the pole and the white/red chain. It must be filled with water or sand. Resistent and easy to transport.

<b>accessories</b>	Code: 909007003	Code: 909007004
	Code: 909001002	Code: 909001003

Code	Description
909007003	White/red chain 104 - 25 m / 6 mm
909007004	White/red chain 105 - 25 m / 8 mm
909001002	Junction ring 104
909001003	Junction ring 105

Code	Description	Pack
909028032	Pvc pole	6 pcs
909005006	Base with cement	6 pcs
909005007	Empty base	6 pcs





# / Traffic



# Systems

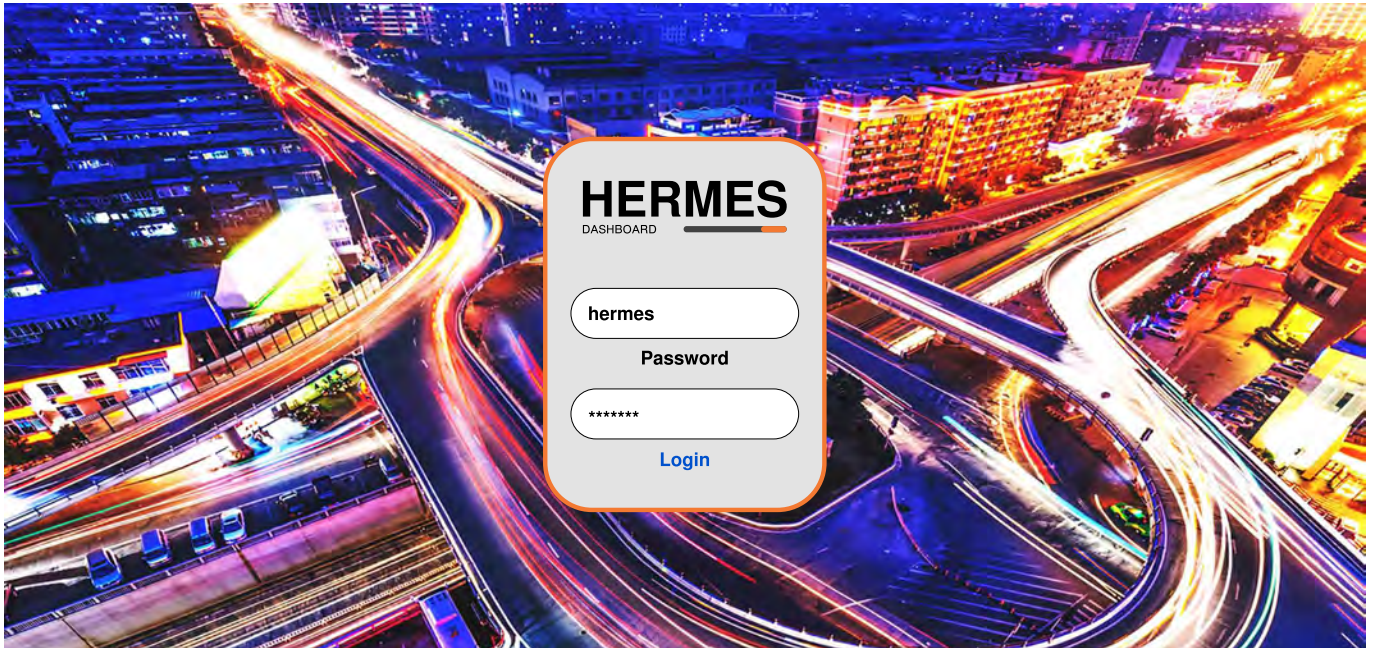
The current problems of both urban and extra-urban mobility require constant precise monitoring of traffic in order to understand and evaluate situations that can change its flow.

The use of advanced technologies, strict selection of materials, and an obsessive attention to the design phase are the foundation of the company's design philosophy and allow Sisas, to respond to every need of the highway signage sector.

To achieve its goals, Sisas offers both stand-alone solutions and complex ITS systems that, due to a design and construction philosophy based on a modular architecture, is completely scalable as our customers' needs increase.



# HERMES Dashboard



## Description:

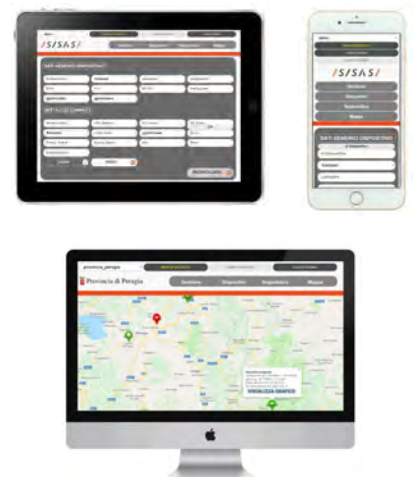
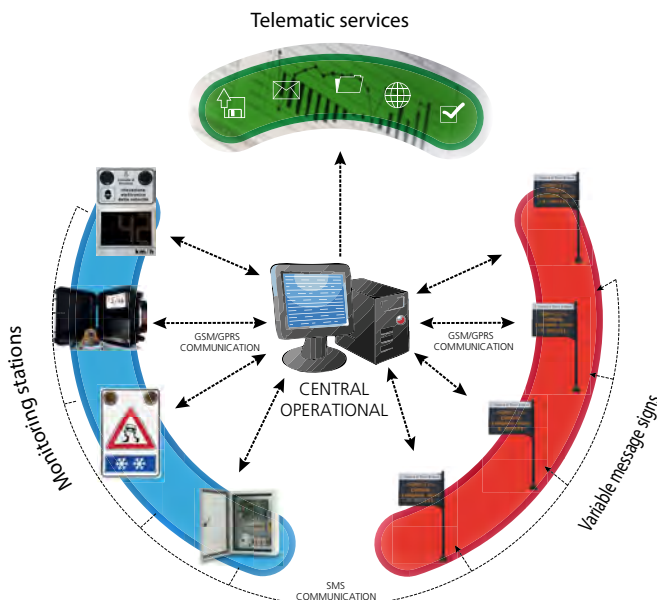
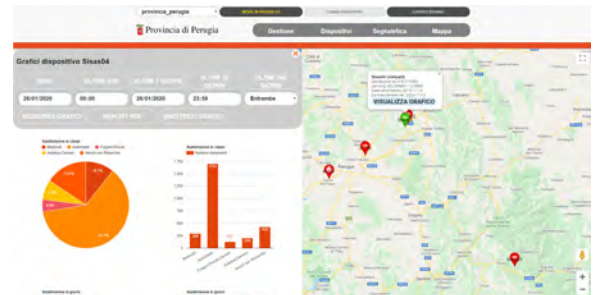
HERMES Dashboard is a customized platform where Sisas' customers can control and use all their connected devices, check and process the collected data and generate statistics which can highlight potential traffic flow issues. Using the IOT (Internet of Things), SISAS has developed HERMES Dashboard – an easy-to-use portal which constantly evolves to meet community needs.

## Strengths:

Thanks to HERMES Dashboard, operational activity is simple, immediate, integrated, efficient, complete and localized.

### Easy-to-read dashboard

All devices connected to the HERMES Dashboard are easily accessible to view and to modify their internal configuration with just a few clicks from the PC or smartphone, from anywhere and at any time.

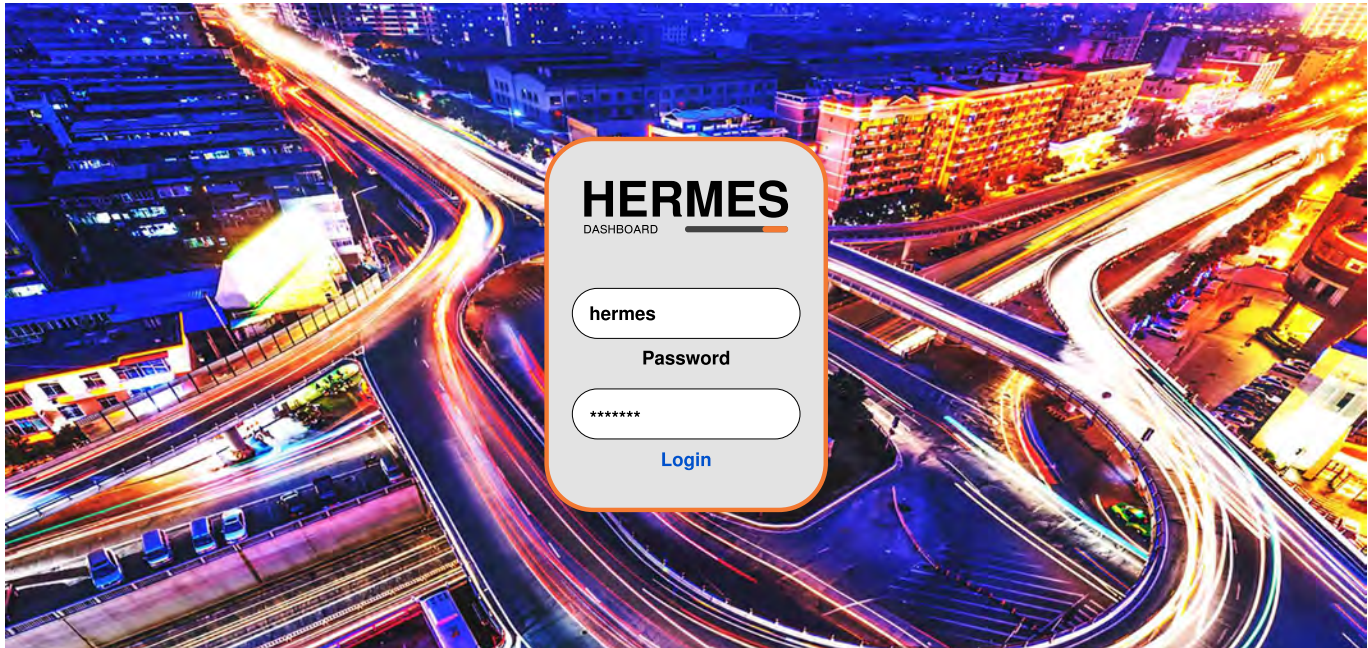






# HERMES Dashboard

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## Check uptime in a few seconds:

The collected data shows real time metrics allowing operators to monitor traffic flow and compare average vehicle speed with actual speed limits. The system lets you identify peak infraction times and yearly macro flow trend with the precision of one hour! The platform also allows data comparison for variance analysis.

## Build custom widgets:

In addition to the information displayed, special needs and new functions can be developed based on the needs of the community. It is possible to highlight requests making HERMES Dashboard a customizable platform.

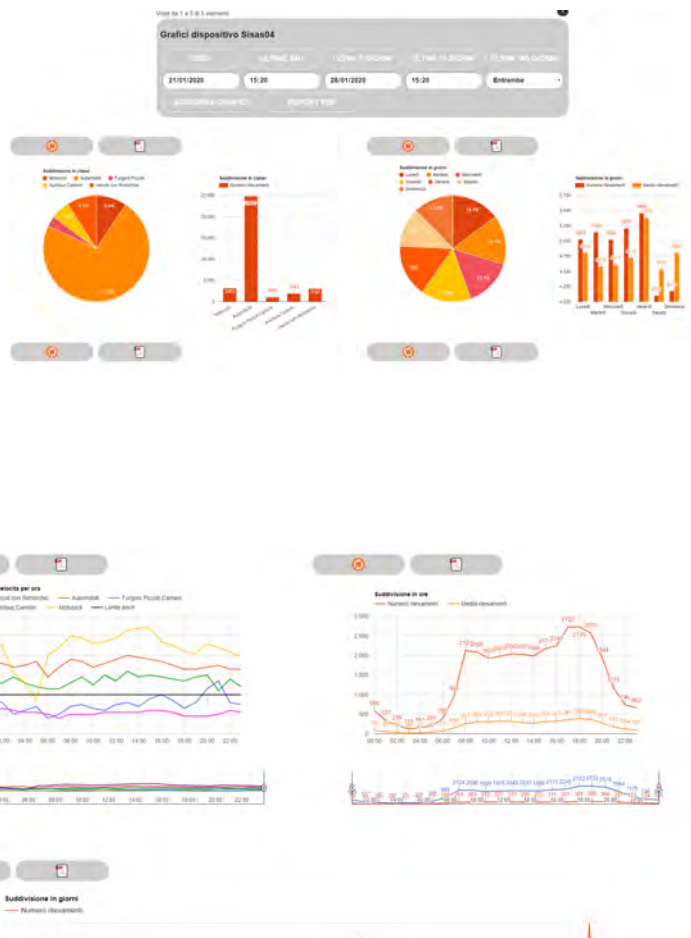
HERMES Dashboard grows with user needs, always keeps up with their requirements often even anticipates them!

## Improve operational efficiency:

Physically monitoring and controlling the devices means being able to solve problems before they arise. The HERMES Dashboard platform also allows you to organize your devices into groups to be managed by specific people, guaranteeing and assigning complex responsibilities with ease.

## Connect and use - Plug and Play:

With HERMES Dashboard it is possible to centralize your data making it easy to see and use. For example, you can download data in CSV format at any time and export it to any application such as Open Office or Excel or save it to your EDC database.



Code	Description
299900018	Hermes activation
299900033	Hermes annual contract for single device



# "Galileo" Radar Junior









**Description:**

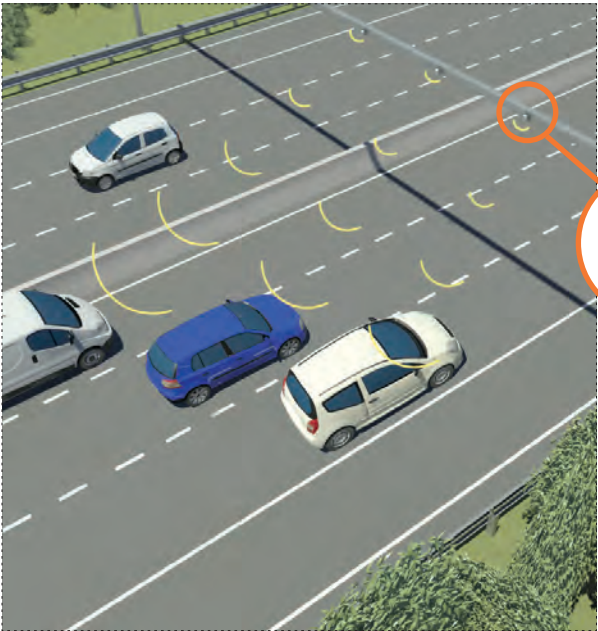
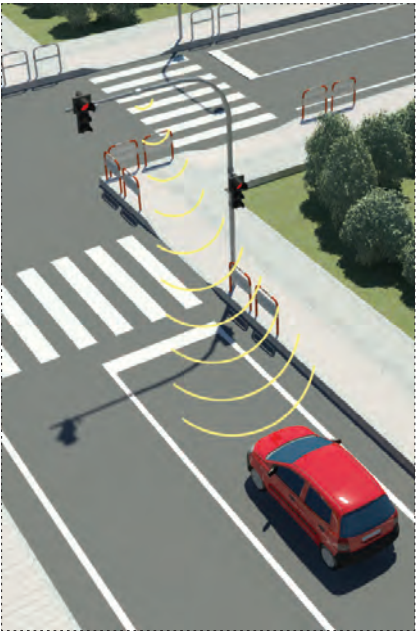
Doppler effect system able to relieve vehicles even from great distances with two modalities: tracking and counting. The radar can communicate with external systems through a serial port. The typical applications are with traffic counters and speed limit displays. The heart of the system is the digital board that permits to memorize up to 2 Megabit of data. With small dimensions and ip66 container it offers an easy installation in all kind of supports.

**Strengths:**

Device with economic application used in the mobility sector. Range of speed 1-255 km, 5 classes of vehicles, internal clock for data memory, **custom-made configurations.**



	<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Sensor:</b> doppler radar 24Ghz		<b>Temperature:</b> -20 °C - +85 °C
	<b>Communication interface:</b> RS232 RS485		<b>Dimensions (H / L / W):</b> container 12 x 9 x 5 cm		<b>Type of power:</b> photovoltaic panel network public network
	<b>Consumption:</b> max: 0,075 A		<b>Weight:</b> 0,4 kg		



Code	Description
204000013	Galileo Radar Junior with cable







# DTS Media System

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## Description:

Interactive monitoring and security road system made of an alphanumeric display and a radar system able to handle events related to speed and counting vehicles. The device is mainly used in road sections considered most at risk such as: near schools, main roads, crossings, highway tollbooths and in urban areas.

## Strengths:

It is possible to memorize numerous passages, it can guarantee the traffic monitoring memorizing all the information in a memory card (SD CARD). Thanks to the GSM is possible to modify the showed messages from the remote operative central. Statistical device for the traffic monitoring for application on vehicles.



	<b>Lights:</b> Ø 100mm / Ø 200mm (optional)		<b>Power supply:</b> 12 Vdc		<b>Sensor:</b> doppler radar 24Ghz
	<b>Display:</b> 10 characters/lines character dimension: 75 mm x 105 mm		<b>Communication interface:</b> USB, RS232, RS485, GSM		<b>Dimensions (H / L / W):</b> container: 1 line: 19,5 x 100x 10 cm 2 lines: 34,5 x 100 x 10 cm 3 lines: 50 x 100 x 10 cm
	<b>Light source:</b> led per character: 74 color: amber 20°: 15 viewing angle		<b>Consumption:</b> 1 line: medium 0,58A 2 lines: medium 1,08 A 3 lines: medium 1,82 A		<b>Weight:</b> 1 line: 6,5 kg 2 lines: 12 kg 3 lines: 18,5 kg
	<b>Brightness control:</b> dynamics or steady		<b>Type of power:</b> network / photovoltaic panel / public network		<b>Temperature:</b> -15 °C - +85 °C

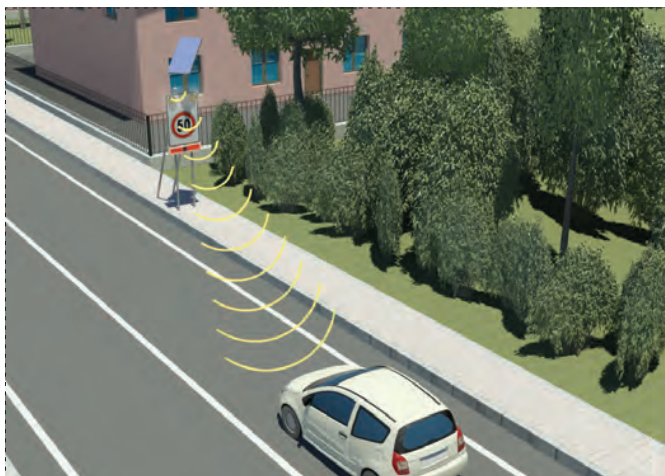
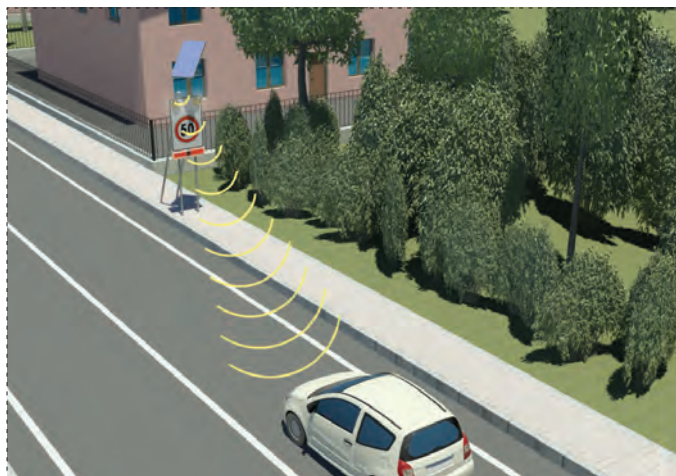
technical datasheet



**RoHS**  
2002/95/EC

<b>accessories</b>	Code: 203000005 	Code: 200200019  Code: 200200018	Code: 200200017 
Code: 204500217  Code: 205500114	Code: 202900012 	Code: 205500108 	Code: 205500103 

Code	Description
203000005	110W photovoltaic kit
200200019	Public network power supply kit (18Ah)
200200018	Public network power supply kit (40Ah)
200200017	54W 12V feeder
204500217 / 205500114	GSM module / GSM module antenna
202900012	SD card
205500108	Secure digital card
205500103	Blue tooth adapter



Code	Description
209042301	DTS Media System (1 line)
209052301	DTS Media System (2 Lines)
209092301	DTS Media System (3 lines)



# Pedestrian Save



## Description:

Flashing security system for pedestrian crossings with a sensor that detects the presence of pedestrians.

The device is mainly used in street areas with high flow of pedestrians especially near schools, shopping centers, parks, rail stations, sports halls etc.

The system starts working when the sensor detects the presence of a pedestrian at the edge of the pedestrian crossing activating the lamps at both sides of the street.

## Strengths:

Easily installation in existing road signs.

Thanks to the homologated modules at radio frequency, the device does not need any electrical connection.

The tri-flash LED optics guarantee the maximum efficiency warning the driver of the presence of a pedestrian.

Available with or without sign and with white or black tape application.



	<b>Lenses:</b> double Ø 100 mm tri-flash double Ø 200 mm tri-flash		<b>Consumption:</b> Ø100 mm medium 0,06 A maximum 0,42 A minimum 0,01 A  Ø200 mm medium 0,28 A maximum 1,8 A minimum 0,01 A		<b>Sensor:</b> doppler radar K-Band horizontal opening 80 ° vertical opening 32 ° power 13 dBm		<b>Dimensions (H / L / W):</b> central unit 10,8 x 11 x 10,2 cm
	<b>Brightness control:</b> 33% night 100% daytime				<b>Type of power:</b> network / photovoltaic panel / public network		<b>Weight:</b> 0,25 kg
	<b>Power supply:</b> 12 V <sub>dc</sub>						<b>Temperature:</b> -20 °C - +85 °C

Code: 205600058



Code: 205600016



Code: 205600005



Code: 205600025



technical datasheet



## accessories

Code: 201900206



Code: 201900201



Code: 203000035



Code: 205600015



Code: 205600018



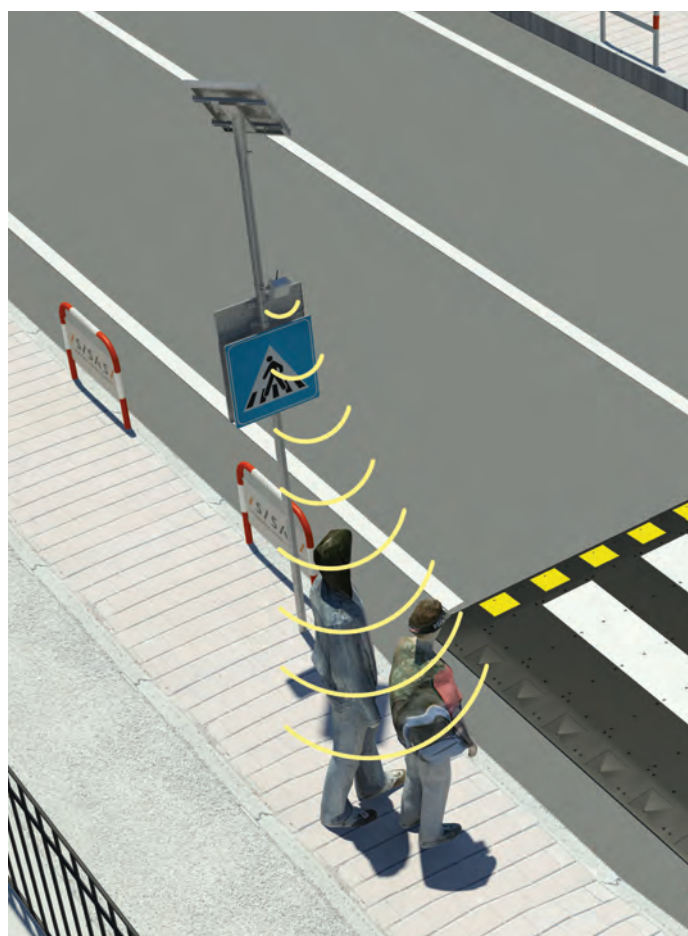
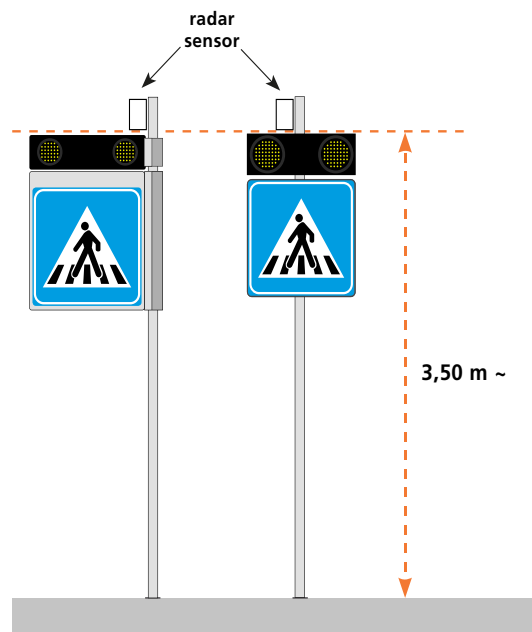
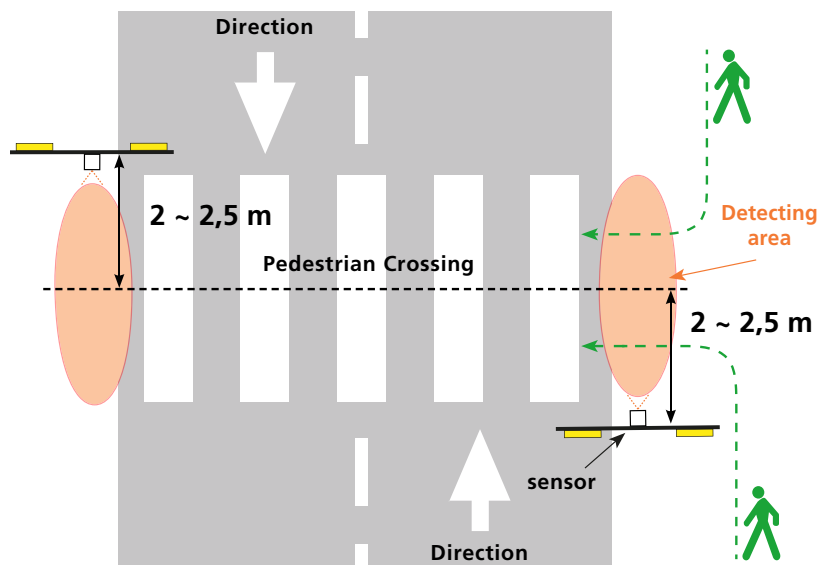
Code	Description
201900206	Double Ø 100 mm tri-flash flashing lights
201900201	Double Ø 200 mm tri-flash flashing lights
203000035	20W photovoltaic kit
205600015	Call button
205600077	Pedestrian save control unit

Code	Description
205600016	Couple of pedestrian save
205600005	Couple of pedestrian save for photovoltaic system without sign
205600025	Couple of pedestrian save for network system without sign
205600058	Couple of pedestrian save with street light



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## Pedestrian Save



Sisas is able to offer you a wide range of pedestrian save systems according to your needs and specification. We can customize the item and make it exactly as required by the Norms of your country. The system can be available with black or white tape plates with led lights in 100 or 200 mm, or you can order just the electronic devices without signs, mounting the system in existing signs. Ask for personalized quotation and specification.



# Pedestrian Alert Box

## Description:

Flashing security system for pedestrian crossings with or without ALL-IN ONE sensor that relieves the presence of pedestrians. The device is mainly used in street areas with high flow of pedestrians especially near schools, shopping centers, parks, rail stations, sports halls etc. The system starts working when the sensor relieves the presence of a pedestrian at the edge of the pedestrian crossing activating the lamps at both sides of the street.

## Strengths:

Easily installation in existing road signs.  
Thanks to the homologated modules at radio frequency, the device does not need any electrical connection.  
The tri-flash LED optics guarantee the maximum efficiency warning the driver of the presence of a pedestrian.  
Available with or without sign and with white or black tape application.



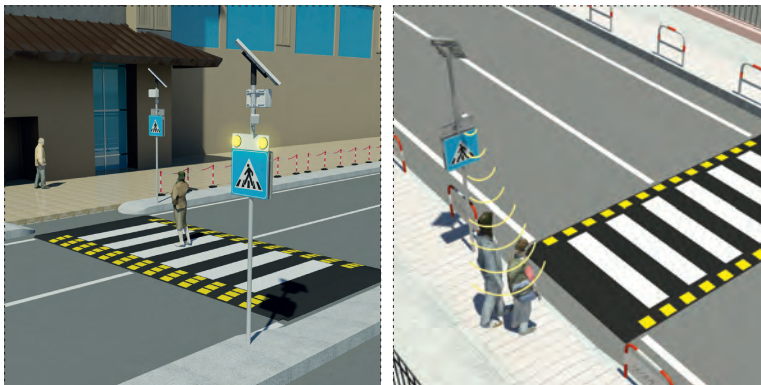
with radar sensor

Pedestrian Alert Box with Ø 100 mm led optics (inside the box: 18 Ah battery and battery regulator)

without radar sensor

Pedestrian Alert Box with Ø 200 mm led optics (inside the box: 18 Ah battery and battery regulator)

	<b>Certifications:</b> Optics in compliance with UNI EN 12352		<b>Power supply:</b> 12 V <sub>dc</sub>
	<b>Type of battery:</b> network / photovoltaic panel / public network / battery		<b>Box:</b> metallic black painted box with brackets
	<b>Light source:</b> 2 led optics with flashing and triflash luminous mode		<b>Dimensions:</b> 60 x 23,5 x 9,5 cm



## accessoires

Code	Description
203000029	20 W photovoltaic panel Fast-On
203000030	50 W photovoltaic panel Fast-On
203200016	60 mm universal solar panel support
203200004	10A charge controller
200200019	Public network power supply kit (18Ah)
200200017	Feeder 54W 12V
205600077	Pedestrian save control unit

Codice	Descrizione
205600056	Pedestrian Alert Box with Ø 100 mm led optics (inside the box: 18 Ah battery and battery regulator)
205600057	Pedestrian Alert Box with Ø 200 mm led optics (inside the box: 18 Ah battery and battery regulator)

technical datasheet





# Pedestrian Alert












## Description:

Flashing security system for pedestrian crossings. The device is mainly used in street areas with high flow of pedestrians especially near schools, shopping centers, parks, rail stations, sports halls etc. System without pedestrian sensor.

## Strengths:

Easily installation in existing road signs. The tri-flash LED optics guarantee the maximum efficiency warning the driver of the presence of a pedestrian crossing. Available with or without sign and with white or black tape application.





	<b>Certifications:</b> Optics in compliance with UNI EN 12352		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light
	<b>Light source:</b> 2 led optics Ø 200 mm, with 120 high luminosity leds		<b>Type of battery:</b> 18Ah		
	<b>Luminous emission:</b> yellow flashing light		<b>Autonomy:</b> 160 h with standard flashing; 500 h with flash		<b>Weight:</b> 22,5 Kg
	<b>Luminous intensity:</b> Class L8H		<b>Twilight:</b> absent		<b>Temperature:</b> -15 °C - +85 °C

technical datasheet



RoHS  
2002/95/EC



accessories	Code: 201900201	Code: 203000004	Code	Description
			201900201	Double Ø 200 mm tri-flash flashing lights
			203000004	50W photovoltaic kit

Code	Description
205600038	Pedestrian alert with 50W solar panel and double Ø 200 mm tri-flash flashing lights couple



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## Pedestrian Light with and without case

### Description:












High visibility LED lens for pre-signaling pedestrian crossings. The device has the purpose to advice the driver to slow down, because of the presence of a pedestrian crossing.

### Strengths:

Easy to install on a sign (without case) and on poles (with case), the LED lens guarantees high brightness and low consumptions. We suggest the use with products

related to the pedestrian save.



	<b>Light source:</b> nr. 180 LEDs with pedestrian shape		<b>Type of power:</b> network photovoltaic panel public network battery		<b>On/off switch:</b> absent
	<b>Light emission:</b> yellow flashing light				<b>Dimensions (H / L / W):</b> 34 x 34 x 4 cm 34 x 34 x 22 cm (with case)
	<b>Luminous intensity:</b> 1400 cd		<b>Twilight:</b> absent		<b>Weight:</b> 1,2 Kg / 2,1 kg (with case)
	<b>Power supply:</b> 12 / 24 V <sub>dc</sub>		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>Temperature:</b> -15 °C - +85 °C



technical datasheet



Code	Description
201900311	Pedestrian light with case
201900252	Pedestrian light without case

## DTS System DTS Slim on Mobile Trailer

### Description:

Mobile trailer for monitoring the traffic based on 24 Ghz non-invasive radar technology, it is able to detect the approaching vehicles and to show their speed in its led display.

There are two different options with amber color or with bicolor (red/green) display.












Its usage is suggested in work zones, near schools, industrial areas, driving schools, accidents sites and in any place where it is necessary a quickly intervention to secure the road.

### Strengths:

Mobile system very easy to use and place thanks to its small trolley and large wheels that grant a very good stability and protect the power supply battery.



accessories	Code	Description
	203400026	Power supply Battery charger 12 Volt 18 Ah
	200400010	Power supply Battery charger 12 Volt 40 Ah
	200200019	Public network power supply kit (18Ah)
	205000098	Resealable trailer

	<b>Display:</b> Display with 3 numeric characters h 27 cm Led color Amber mono-color Red and Green bi-color		<b>Brightness control:</b> dynamic		<b>Consumption:</b> maximum: 2,50 A minimum: 0,04 A		<b>Dimensions (H / L / W):</b> Closed 55,5 x h70 x 72 cm Open h172 cm
			<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Type of power:</b> Battery 12 V		<b>Container:</b> Light color aluminum front screen in transparent polycarbonate front opening
	<b>Communication interfaces:</b> RS232; USB; RS485; GSM depending on the version		<b>Weight:</b> 39 kg without batteries		<b>Sensor:</b> doppler radar 24Ghz		<b>Temperature:</b> -15 °C - +85 °C

Technical datasheet



Code	Description
205500003	DTS Slim on mobile trailer





# Interactive Signals "One Way"

## Description:

This system has been developed in order to detect and show wrong direction way. The kit is composed by a radar sensor for detecting vehicles coming in the wrong way.

Mainly used in highway

entries, one way urban streets.













The item includes:

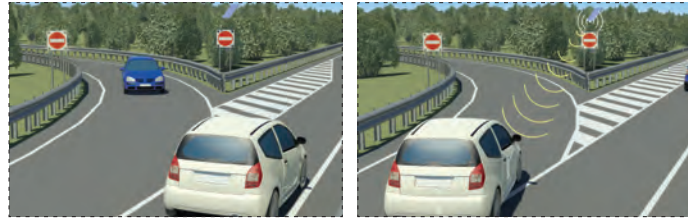
- Radar sensor
- 105x105 aluminum sign with EG tape
- 4 led lights 100 mm
- Brackets for 60 cm pole
- Power supply (not included)

## Strengths:

Non-invasive installation, LED optics at high brightness, reduced consumptions.



	<b>Certifications:</b> Optics in compliance with UNI EN 12352		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>On / off switch:</b> absent
	<b>Light source:</b> Ø 100 mm 4 led optics		<b>Type of power:</b> batteries / photovoltaic panel / public network		<b>Dimensions (H / L / W):</b> 105 x 105 x 6 cm central unit 30 x 22 x 12 cm
	<b>Luminous emission:</b> yellow flashing light		<b>Consumptions:</b> medium 140 mA maximum 650 mA		<b>Weight:</b> 10,2 Kg
	<b>Luminous intensity:</b> Class L2H		<b>Twilight:</b> absent		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
205600010	One Way

technical datasheet



# Interactive Signals "Ice 500"

## Description:

Electronical device used to detect the presence of ice, with control of the temperature and humidity. The two optics activate themselves if the temperature goes under a threshold.













The item includes:

- Humidity sensor
- 60x90 aluminum sign with HI tape
- 2 led lights 100 mm
- 20W solar panel kit
- Brackets for 60 cm pole

## Strengths:

Non-invasive installation, LED optics at high brightness, reduced consumptions, remote version for signaling the presence of ice.



	<b>Certifications:</b> Optics in compliance with UNI EN 12352		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>On - off switch:</b> absent
	<b>Light source:</b> Ø 100 mm 2 led optics		<b>Type of power:</b> network / photovoltaic panel / public network		<b>Dimensions (H / L / W):</b> sign 90 x 60 x 6 cm unit 30 x 22 x 12 cm
	<b>Luminous emission:</b> yellow flashing light		<b>Consumption:</b> medium 25 mA maximum 450 mA		<b>Weight:</b> 19 Kg
	<b>Luminous intensity:</b> Class L2H		<b>Luminous intensity regulation:</b> variable intensity depending on ambient light		<b>Temperature:</b> -15 °C - +85 °C



technical datasheet



Code	Description
205500019	Ice 500



**ZUCALÂNDIA**

# DTS System DTS Slim Deluxe

## Description:

Device able to monitor the traffic based on 24 Ghz non-invasive radar technology, it is able to detect the approaching vehicles and to show their speed in its led display. It warns the driver that his speed is too high and catch his attention to warn of a possible danger or to inform the driver that he is exceeding the speed in that road. It is suggested to be used as speed dissuader next to schools, high density traffic roads, danger spots, road tools. The system can be connected remotely to a control centre to manage all the information, change and download data in real time. It is possible to set a text and change it remotely.

## Strenghts:

The slim aluminum case grants a light weight and a reduced size. The aluminum permits also a longer life and an higher resistance to weathering. The led display grants high visibilty and low consumption.



Technical  
datasheet



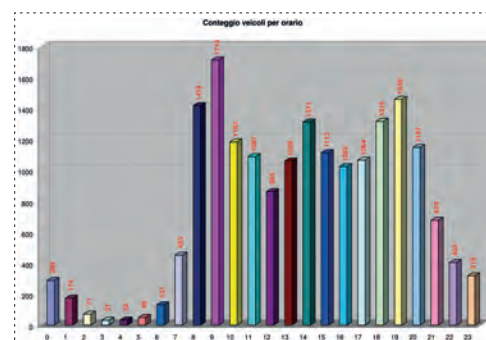
**RoHS**  
2002/95/EC

	<b>Lenses:</b> double flashing light Ø 100 mm; double flashing light Ø 200 mm		<b>Brightness control:</b> dynamic		<b>Consumption:</b> maximum 3,30 A/ med. 1,7 A min 0,18 A		<b>Dimensions:</b> 52 cm x 55,5 cm x 10 cm Sign on request
	<b>Display:</b> Numbers: 3 numbers 16,25,5 cm amber color Letters: 8 letters 8,5 x 5 cm am- ber color		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Type of power:</b> network / fotovoltaic panel / public network		<b>Box :</b> Aluminium light color Font screen in Polycarbonate font opening
			<b>Communication interfaces:</b> RS232; USB; RS485; GSM		<b>Sensor:</b> doppler radar 24Ghz		<b>Temperature:</b> -15 °C - +85 °C



**WiFi**

**GSMA**  
**Bluetooth**



Code	Description
203000023	110 W Photovoltaic kit with ø 90 mm bracket
201900206	100 mm double flashing light synchronous
201900201	200 mm double flashing light synchronous

accessories

Code: 203000023



Code: 201900206



Code: 201900201



Code	Description
209006103	Dts Slim DLX without sign
209006301	Dts Slim DLX with sign 100x150 cm



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# DTS System DTS Slim

## Description:













Device able to monitor the traffic based on 24 Ghz non-invasive radar technology, it is able to detect the approaching vehicles and to show their speed in its led display. It warns the driver that his speed is too high and catch his attention to warn of a possible danger or to inform the driver that he is exceeding the speed in that road. It is suggested to be used as speed dissuader next to schools, high density traffic roads, danger spots, road tools.

## Strenghts:

The slim aluminum case grants a light weight and a reduced size. The aluminum permits also a longer life and an higher resistance to weathering. The led display grants low consumption.



WiFi Bluetooth GSM

	<b>Lenses:</b> double flashing light Ø 100 mm; double flashing light Ø 200 mm		<b>Brightness control:</b> dynamic		<b>Consumption:</b> slim: min 0,04A - max 2,5A; slim plus: min 0,1A - max 5,1A		<b>Dimensions:</b> slim: 55x39,5x10 cm; slim plus: 65x57,5x10 cm
	<b>Display:</b> nr. 3 display h 27 cm		<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Type of power:</b> network / fotovoltaic panel / public network		<b>Weight:</b> slim: 6,5 kg slim plus: 8 kg
	<b>Display color:</b> amber		<b>Communication interfaces:</b> RS232; USB; RS485; GSM		<b>Sensor:</b> doppler radar 24Ghz		<b>Temperature:</b> -10 °C - +70 °C



spare parts	Code: 203000004	Code: 200200019	Code: 201900201
			
	Code: 200200017	Code: 202900012	Code: 201900206
			

Code	Description
203000004	50W photovoltaic kit
200200019	Public network power supply kit (18Ah)
200200018	Public network power supply kit (40Ah)
200200017	Feeder 54W 12V
202900012	SD Card max 4 GB
201900206 / 201900201	Double tri-flash synchro optic Ø 100 mm / Ø 200 mm

Code	Description
209086303	DTS slim B Matrix without sign and power supply
209086109	DTS Slim B Matrix network with plate 90x135 cm
209086109	DTS Slim B Matrix with solar panel with 90x135 cm plate

Code	Description
209006103	DTS Slim Matrix network without plate
209006301	DTS Slim Matrix network with plate 100x150 cm
209006303	DTS Slim Matrix with solar panel without plate



# DTS System Slim Emoticon



## Description:

Device based on radar technology able to relieve the speed of an approaching vehicle and show it through a display with a smile. Used as speed limit display near schools, main roads, crossings, highway tollbooths. It performs the

counting of the vehicles, generating statistical files such as: date, time, speed and counting.

## Strengths:

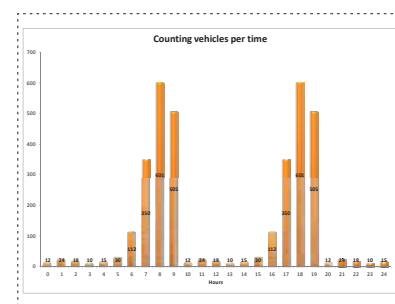
Data storage on external memory, programmable LED display, handling luminous signals (LED lamps). Box with reflective tape for better visibility.

**Custom-made system.**  
**External radar.**

technical datasheet



	Display: colour: amber		Brightness control: dynamics or steady		Consumption: medium: 500 mA maximum: 1,3 A		Dimensions (H / L / W): 68 x 80 x 11 cm
			Power supply: 12 V <sub>dc</sub>		Type of power: network / photovoltaic panel / public network		Weight: without batteries 19 kg
	Display colour: yellow, red, green		Communication interfaces: USB / RS232 / RS485 / GSM		Sensor: doppler radar 24Ghz		Temperature: -15 °C / +85 °C

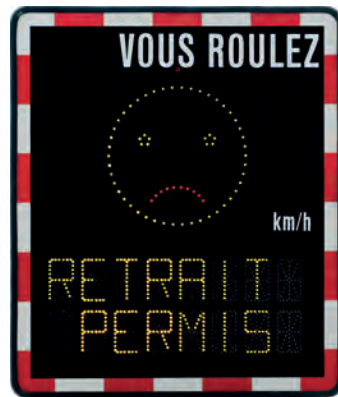


Code	Description
203000004	50W photovoltaic kit
200200019 / 200200018	Public network power supply kit (18Ah) / Public network power supply kit (40Ah)
204500217 / 205500114	GSM module / GSM module antenna
202900012	SD card
205500103	Blue tooth adapter

accessories	Code: 203000004	Code: 204500217
		
		Code: 205500114
Code: 205500103	Code: 202900012	Code: 200200019
		
		Code: 200200018

Code	Description
209076304	DTS slim with emoticons

## DTS System "DTS 600"



### Description:

Device based on radar technology able to relieve the speed of an approaching vehicle and show it through a display with a message in two lines and with a smile. It is possible to see the messages related to the vehicle speed (fines

or loss of points). Used as speed limit display near schools, main roads, crossings, highway tollbooths. It performs the classification and the counting of the vehicles, generating statistical files such as: date, time, speed and counting.













### Strengths:

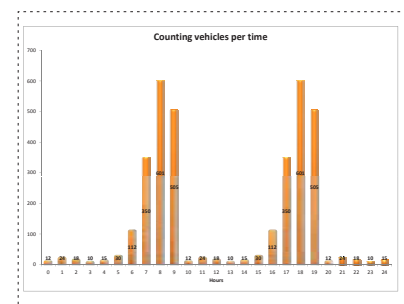
Data storage on external memory, programmable LED display, handling luminous signals (LED lamps). Box with reflective tape for better visibility.

**Custom-made system.**

technical datasheet



	<b>Display:</b> black aluminum screen anti-vandal and anti-reflective front polycarbonate screen rear doors with key omega brackets		<b>Brightness control:</b> dynamics or steady		<b>Consumption:</b> max: 3,30 A average: 1,3 A min: 0,25 A		<b>Dimensions (H / L / W):</b> 68 x 80 x 11 cm
	<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Communication interfaces:</b> USB / RS232 / RS485 / GSM		<b>Type of power:</b> network / photovoltaic panel / public network		<b>Weight:</b> without batteries 19 kg
	<b>Display colour:</b> 3 Digits 45 x32,5 amber color leds; Alphanumeric: 2 lines 8 characters each line Single character size 8.5 x 5				<b>Sensor:</b> doppler radar 24Ghz		<b>Temperature:</b> -15 °C / +85 °C



Code	Description
203000005	110W photovoltaic kit
200200019 / 200200018	Public network power supply kit (18Ah) / Public network power supply kit (40Ah)
204500217 / 205500114	GSM module / GSM module antenna
202900012	SD card
205500103	Blue tooth adapter

accessories	Code: 203000005	Code: 204500217
		
	Code: 205500114	
Code: 205500103	Code: 202900012	Code: 200200019
		
		Code: 200200018

Code	Description
209119200	DTS 600 public network

# DTS System "DTS 600 Small"

## Description:

Device based on radar technology able to relieve the speed of an approaching vehicle and show it through a display and with a smile. Used as speed limit display near schools, main roads, crossings, highway tollbooths. It performs the classification and the counting of the vehicles, generating statistical files such as: date, time, speed and counting.

## Strengths:

Data storage on external memory, programmable LED display, handling luminous signals (LED lamps). Box with reflective tape for better visibility.

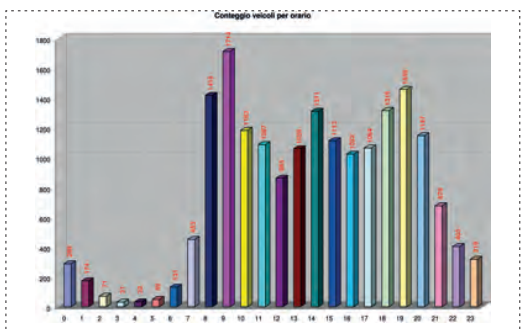
## Custom-made system.



technical datasheet



	<b>Container:</b> black aluminum box with glare front screen; transparent polycarbonate cover; rear doors with key; it can be installed on poles with omega brackets		<b>Brightness control:</b> dynamics or steady		<b>Consumption:</b> maximum: 1,8 A / medium: 1,2 A minimum: 0,18 A		<b>Dimensions:</b> 57,0 x 68,0 x 11 cm
			<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Type of power:</b> network / photovoltaic panel / public network		<b>Weight:</b> 14 kg (without batteries)
	<b>Display:</b> numerical: 3 digits 45,0 x 32,5 cm amber colour		<b>Communication interfaces:</b> USB / RS232 / RS485 / GSM		<b>Sensor:</b> doppler radar 24Ghz		<b>Temperature:</b> -15 °C - +85 °C



Code	Description
203000023	110W photovoltaic kit with Ø 90 bracket
200200019	Public network power supply kit (18Ah)
203200004	10A charger controller
2045000217	ADD SIM 900 GSM module
200300015	12 Vdc. 18 Ah battery



Code	Description
209319200	DTS 600 Small





# ZUCALÂNDIA

## FAS 101 - Radio Subway Flooding System

### Description:

The Flooding Alarm System is a sophisticated modular alarm system designed to protect the drivers against the risk of subway flooding. The high reliability analogical-digital sensor is able to detect the eventual flood and to generate in the real time an alarm that can be sent to a control unit located outside the subway.





The control unit is power supplied with a tampon battery or through a solar panel and it can activate led lights, sensors, traffic lights or any other devices located at the entrance of the subway to warn the drivers about a danger.

The control unit can also send warning messages to the Security Services with an sms.

### Strengths:

Reliability of the system, without any cable for the installation, it makes it the perfect product to be used to secure eventual dangerous subways with a low cost of installation and maintenance.



	<b>Light source:</b> Led lights with flash or trifflesh mode		<b>Type of power:</b> network; photovoltaic panel; public network
	<b>Communication interfaces:</b> Radio Module 868 Mhz		<b>Power supply:</b> 12 V <sub>dc</sub>



technical  
datasheet



95



accessoires	Code: 200200019	Code: 200200017	Code: 203000023	Code: 204500217
				

Code	Description
203000023	Photovoltaic kit 110W mm with Ø 90 bracket
200200019	Public network power supply kit 18Ah
200200017	Feeder 54W 12V
204500217	GSM module

Code	Description
205500174	Flooding probe and radio control unit
205500170	Master Flooding Sign
205500171	Slave Flooding Sign

# Monitoring "Compact 1000 JR"

## Description:

Mobile system, with integrated radar technology, used for monitoring and classification of the traffic, installation on a pole beside the road or using any type of support.

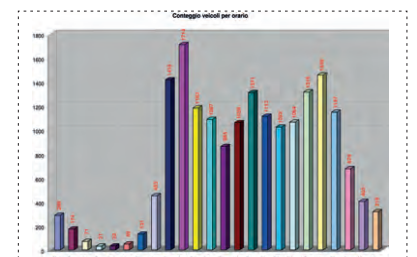
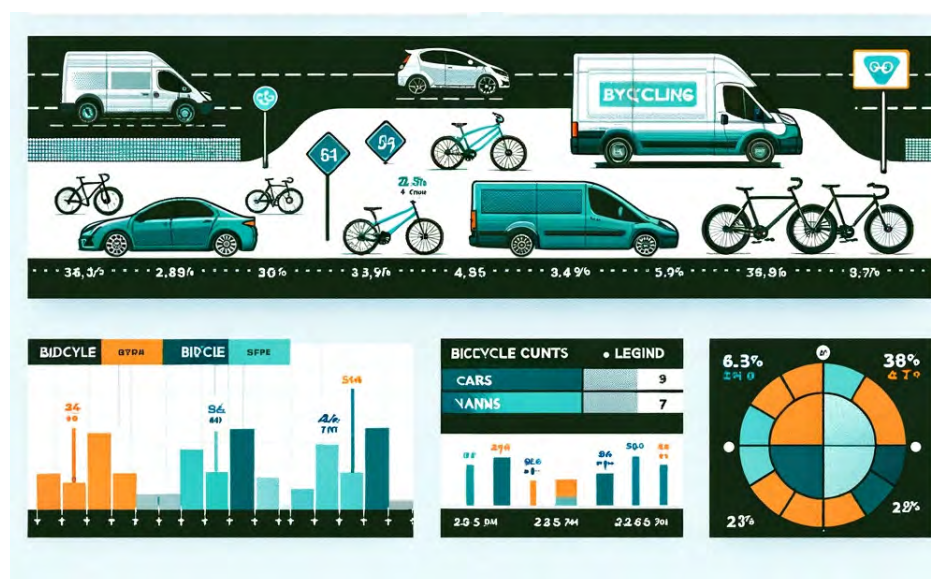
The system permits to identify vehicles in two lanes or even in two opposite directions. Mainly used for short monitoring, it generates statistical data files about the mobility such as: date, time, speed, counting vehicles and the classification of the traffic.

## Strengths:

Non-invasive system, with small dimensions, it can be positioned on any kind of support, easy to install without making troubles to the vehicles. Low consumptions with relieve time until 9 days. Simple elaborating data file.



	<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Type of power:</b> 12V <sub>dc</sub> 18Ah battery		<b>Dimensions (H / L / W):</b> 33,5 x 30 x 16 cm
	<b>Communication interface:</b> RS232, bluetooth		<b>Sensor:</b> doppler radar K-Band horizontal opening 12 ° vertical opening 25 ° power 20 dBm		<b>Weight:</b> 2,9 kg
	<b>Consumption:</b> max: 0,065 A				<b>Temperature:</b> -20 °C - +85 °C



## Optional Accessoires:

Code	Description
203000035	20W photovoltaic kit
200200019	Public network power supply kit (18Ah)
200200018	Public network power supply kit (40Ah)
204500276 205500114	GSM Module Antenna GSM Module
202900012	SD Card
205500172	Wifi Module
205500111	Installation kit for compact 1000 jr



Code	Description
205500085	Compact 1000 JR



# Monitoring "Compact 1000 jr BIKE"

## Description:

Compact 1000 jr Bike is a special monitoring device with doppler radar sensor used in bicycles lanes, easy to configure and to mount, the device can be installed in any kind of support.










The compact 1000 jr Bike is able to monitor up to two directions.

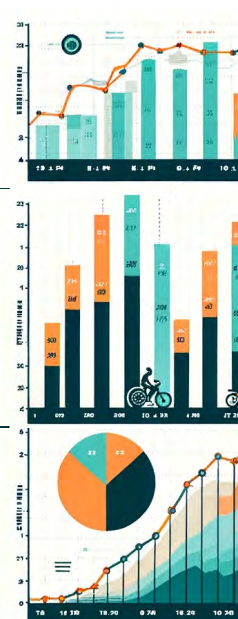
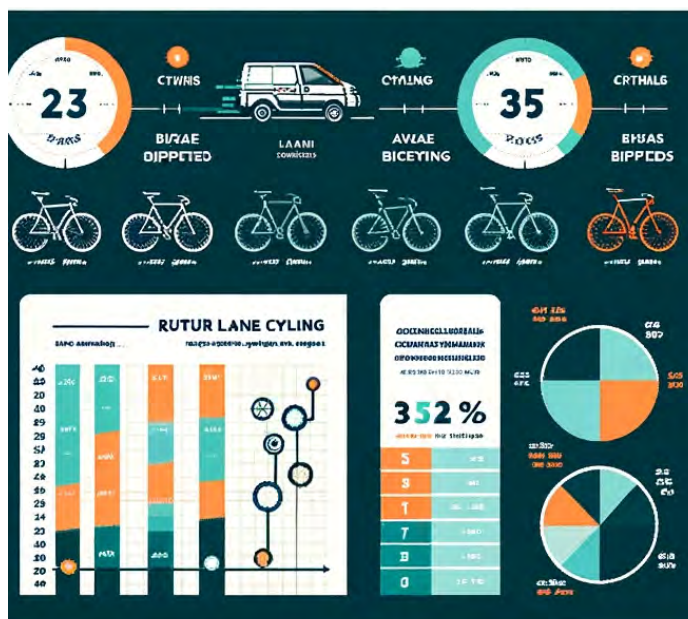
## Strengths:

The compact 1000 jr Bike detects the cyclists and downloads the data in the CSV format. The data can be checked taking off the Secure Digital card from the front door.

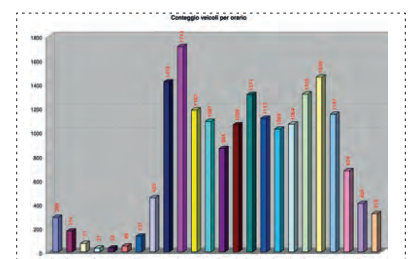
Low consumption device, high reliability of the battery the duration of detection can reach up to 235 hours. The compact 1000 jr BIKE can detect different data such as: date, hour, speed and direction of the cyclists. The file can be easily downloaded and use for any statical purposes.



	<b>Power supply:</b> 12 V <sub>dc</sub>		<b>Type of power:</b> 12V <sub>dc</sub> 18Ah battery		<b>Dimensions (H / L / W):</b> 33,5 x 30 x 16 cm		<b>RoHS</b> 2002/95/EC		technical datasheet:
	<b>Communication interface:</b> RS232, bluetooth		<b>Sensor:</b> doppler radar K-Band horizontal opening 12° vertical opening 25° power 20 dBm		<b>Weight:</b> 2,9 kg				
	<b>Consumption:</b> max: 0,065 A				<b>Temperature:</b> -20 °C - +85 °C				



WiFi Bluetooth



## Optional Accessoires:

Code	Description
205500172	WI Rs232 module
200200019	Public network power supply kit (18Ah)
200200018	Public network power supply kit (40Ah)
204500276	GSM Module
205500114	Antenna GSM Module
202900012	SD Card
203000005	110W photovoltaic kit

accessories	Code: 203000035	Code: 204500276
		
		Code: 205500114

Code: 200200019	Code: 202900012
	
Code: 200200018	

Code	Description
205500255	Compact 1000 jr BIKE



## Photovoltaic Kit 20 W

### Description:

It is a power supply device used to guarantee the working of the luminous devices, composed by: one battery, charge controller, battery container and pole attachment.

### Strengths:

Environmentally, 0 emissions, reduced maintenance, increased performance, usable everywhere in presence of sunlight.



	<b>Panel dimensions (H/L/W):</b> 65 x 35 x 1,6 cm		<b>Weight:</b> Kit total weight Ø 60 mm: 11,9 kg Kit total weight Ø 90 mm: 13 kg
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Code	Description
203000035	20W photovoltaic kit with Ø 60 mm bracket
203000026	20W photovoltaic kit with Ø 90 mm bracket

## Photovoltaic Kit 150 W

### Description:

It is a power supply device used to guarantee the working of the luminous devices, composed by: one battery, charge controller, battery container and pole attachment.

### Strengths:

Environmentally, 0 emissions, reduced maintenance, increased performance, usable everywhere in presence of sunlight.



	<b>Panel dimensions (H/L/W):</b> 119 x 66 x 3,5 cm		<b>Weight:</b> Kit total weight Ø 60 mm: 49,5 kg Kit total weight Ø 90 mm: 50,6 kg
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Code	Description
203000005	150W photovoltaic kit with Ø 60 mm bracket
203000023	150W photovoltaic kit with Ø 90 mm bracket

## Photovoltaic Kit 50 W

### Description:

It is a power supply device used to guarantee the working of the luminous devices, composed by: one battery, charge controller, battery container and pole attachment.

### Strengths:

Environmentally, 0 emissions, reduced maintenance, increased performance, usable everywhere in presence of sunlight.



	<b>Panel dimensions (H/L/W):</b> 76 x 54 x 3 cm		<b>Weight:</b> Kit total weight Ø 60 mm: 20,8 kg Kit total weight Ø 90 mm: 22 kg
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Code	Description
203000004	50W photovoltaic kit with Ø 60 mm bracket
203000024	50W photovoltaic kit with Ø 90 mm bracket

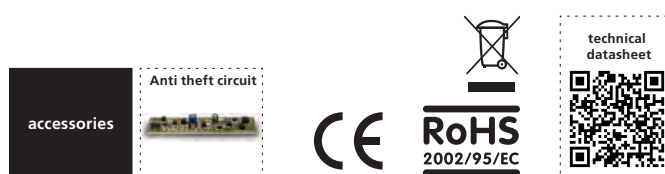
## Solargen Battery Charger

### Description:

It is indicated to manage and regulate power systems with 12 or 24V, optimizes battery charge according to: outside temperature, the type of battery and the solar panel used.

### Strengths:

Protection of inputs, the innovative version with alarm blocks the solar panels in case of theft.



	<b>Power supply:</b> 12 / 24 v		<b>Dimensions (H/L/W):</b> 10,6 x 9 x 5,8 cm
	<b>Consumption:</b> Maximum current: 15 A Minimum voltage: 7V		<b>Weight:</b> 0,2 Kg

Code	Description
203200015	Solargen Battery charger













# Photovoltaic Kit



## Safety

Prohibition UNI EN ISO 7010

	P001 - General prohibition sign
	P002 - No smoking
	P003 - No open flame
	P004 - No thoroughfare
	P005 - Not drinking water
	P006 - No access for forklift trucks and industrial vehicles
	P007 - No access for people with active implanted cardiac devices
	P008 - No metallic articles or watches
	P009 - No climbing
	P010 - Do not touch
	P011 - Do not extinguish with water
	P012 - No heavy load
	P013 - No activated mobile phone
	P014 - No access for people with metallic implants
	P015 - No reaching in
	P016 - Do not spray with water
	P017 - No pushing
	P018 - No sitting
	P019 - No stepping on surface
	P020 - Do not use lift in the event of fire
	P021 - No dogs
	P022 - No eating or drinking
	P023 - Do not obstruct
	P024 - Do not walk or stand here
	P025 - Do not use this incomplete scaffold
	P026 - Do not use this device in a bathtub, shower or water-filled reservoir
	P027 - Do not use this lift for people
	P028 - Do not wear gloves
	P029 - No photography
	P030 - Do not tie Knots in rope
	P031 - Do not alter the state of the switch
	P032 - Do not use for face grinding

	P033 - Do not use for wet grinding
	P034 - Do not use with hand-held grinder
	P035 - Do not wear metal-studded footwear
	P036 - No children allowed
	P037 - Do not leave the tow-track
	P038 - Do not swing the chair
	P039 - Hot works prohibited
	P040 - Do not set off fireworks
	P041 - No leaning against
	P042 - Not for pregnant women
	P043 - Not for people in the state of intoxication
	P044 - Use of smart glasses prohibited
	P046 - Do not stretch out of toboggan
	P047 - Do not ram into toboggans
	P048 - No running
	P049 - No swimming





## Safety

Mandatory UNI EN ISO 7010

	M001 - General mandatory action sign
	M002 - Refer to instruction manual/booklet
	M003 - Wear ear protection
	M004 - Wear eye protection
	M005 - Connect an earth terminal to the ground
	M006 - Disconnect mains plug from electrical outlet
	M007 - Opaque eye protection must be worn
	M008 - Wear foot protection
	M009 - Wear protective gloves
	M010 - Wear protective clothing
	M011 - Wash your hands
	M012 - Use handrail
	M013 - Wear a face shield
	M014 - Wear head protection
	M015 - Wear high visibility clothing
	M016 - Wear a mask



	M017 - Wear respiratory protection
	M018 - Wear a safety harness
	M019 - Wear a welding mask
	M020 - Wear safety belts
	M021 - Disconnect before carrying out maintenance or repair
	M022 - Use barrier cream
	M023 - Use footbridge
	M024 - Use this walkway
	M025 - Protect infants' eyes with opaque eye protection
	M026 - Use protective apron
	M027 - Install or check guard
	M028 - Install locks and keep locked
	M029 - Sound your horn
	M030 - Place trash in the bin
	M031 - Use guard to protect from injury from the table saw
	M032 - Use footwear with anti-static or anti-spark features
	M033 - Lower safety restraining bar on ski chairlift
	M034 - Raise safety restraining bar on ski chairlift
	M035 - Exit towpath after falling
	M036 - Keep ski tips up
	M037 - Close and secure the hatch (lifeboat launch sequence)
	M038 - Start the motor (lifeboat launch sequence)
	M039 - Lower the lifeboat to the water (lifeboat launch sequence)
	M040 - Lower the lifeboat to the water (lifeboat launch sequence)
	M041 - Lower the rescue boat to the water (lifeboat launch sequence)
	M042 - Release falls in launch sequence
	M043 - Start water spray in launch sequence
	M044 - Start air supply in launch sequence
	M045 - Release fireboat gripes in launch sequence
	M046 - Secure gas cylinders
	M047 - Use breathing equipment
	M048 - Use gas detector
	M049 - Wear protective roller sport equipment

	M050 - Exit sled-toboggan to the left
	M051 - Exit sled-toboggan to the right
	M052 - Keep a safe distance between toboggans
	M053 - Wear personal lifejacket

## Safety

Warning UNI EN ISO 7010


































	W000 Warning
	W001 - General warning sign
	W002 - Explosive materials
	W003 - Radioactive material or ionizing radiation
	W004 - Laser beam
	W005 - Non-ionizing radiation
	W006 - Magnetic field
	W007 - Floor-level obstacle
	W008 - Drop or fall hazard
	W009 - Biological hazard
	W010 - Low temperature hazard
	W011 - Slippery surface
	W012 - Electricity hazard
	W013 - Guard dog
	W014 - Forklift truck and other industrial vehicles
	W015 - Overhead or suspended load
	W016 - Toxic material
	W017 - Hot surface
	W018 - Automatic start-up
	W019 - Crushing by moving parts
	W020 - Overhead obstacle
	W021 - Flammable material
	W022 Use barrier cream
	W023 - Corrosive substance
	W024 - Crushing of hands/Danger of crush injuries
	W025 - Counter-rotating rollers
	W026 - Battery charging

	W027 - Optical radiation
	W028 - Oxidizing substance
	W029 - Pressurized cylinder
	W030 - Hand Injury in Press
	W031 - Hand injury from rapid movement of workpiece in press brake machine
	W032 - Rapid movement of workpiece in press brake machine
	W033 - Barbed wire
	W034 - Bull
	W035 - Falling Parts/Danger of falling debris
	W036 - Fragile roof
	W038 - Sudden loud noises
	W039 - Falling Ice Spikes
	W040 - Roof avalanche
	W041 - Breathing hazard
	W042 - Arc flash hazard
	W044 - Slipway
	W047 - Deep water
	W061 - Quicksand, mud, deep mud, or silt
	W070 - Step down

## Safety






Emergency UNI EN ISO 7010

	E001 - Emergency exit (left hand)
	E002 - Emergency exit (right hand)
	E003 - First aid
	E004 - Emergency telephone
	E005 - Direction arrow emergency exit
	E006 - Direction arrow emergency exit downward
	E007 - Evacuation assembly point
	E008 - Break to obtain access
	E009 - Doctor
	E010 - Automated external defibrillator
	E011 - Eyewash station
	E012 - Emergency shower

	E013 - Stretcher
	E015 - Drinking water
	E016 - Emergency window with escape ladder
	E017 - Rescue window
	E018 - Turn anticlockwise (counterclockwise) to open
	E019 - Turn clockwise to open
	E020 - Emergency stop button
	E021 - Protection shelter
	E022 - Door opens by pushing on the left-hand side
	E023 - Door opens by pushing on the right-hand side
	E024 - Evacuation temporary refuge
	E025 - Emergency hammer
	E026 - Emergency exit for people unable to walk
	E027 - Medical grab bag
	E028 - Oxygen resuscitator
	E029 - Emergency escape breathing device
	E030 - Emergency exit people unable to walk or with walking impairment (right)
	E031 - Shipboard general alarm
	E032 - Shipboard assembly station
	E033 - Door slides right to open
	E034 - Door slides left to open
	E035 - Liferaft knife
	E036 - Lifeboat
	E037 - Rescue boat
	E038 - Liferaft
	E039 - Davit-launched liferaft
	E040 - Lifebuoy
	E041 - Lifebuoy with line
	E042 - Lifebuoy with light
	E043 - Lifebuoy with line and light
	E044 - Lifejacket
	E045 - Child's lifejacket
	E046 - Infant's lifejacket

	E047 - Search and rescue transponder
	E048 - Survival craft distress signals
	E049 - Rocket parachute flare
	E050 - Line-throwing appliance
	E051 - Two-way VHF radiotelephone apparatus
	E052 - Emergency position indicating radio beacon
	E053 - Embarkation ladder
	E055 - Marine evacuation chute
	E056 - Survival clothing
	E057 - Door opens by pulling on the left-hand side
	E058 - Door opens by pulling on the right-hand side
	E059 - Escape Ladder
	E060 - Evacuation chair

	F013 - Fixed fire extinguishing bottle
	F014 - Remote release station
	F015 - Fire monitor
	F016 - Fire blanket
	F017 - Firefighters' lift
	F018 - Fire alarm flashing light
	F019 - Unconnected fire hose

-  80688001 Emergency equipment indication strips identification of handrails and stairs - with anti-slip
-  80688002 - red (identification of fire-fighting equipment) - with anti-slip
-  80688002 - black (indications of dangerous areas and obstacles - with anti-slip
-  80688002 - green (direction signs and handrail - with anti-slip
-  80688501 - (floor signs with anti-slip)

## Safety

Fire protection UNI EN ISO 7010

	F001 - Fire extinguisher
	F002 - Fire hose reel
	F003 - Fire ladder
	F004 - Collection of firefighting equipment
	F005 - Fire alarm call point
	F006 - Fire emergency telephone
	F007 - Fire protection door
	F008 - Fixed fire extinguishing battery
	F009 - Wheeled fire extinguisher
	F010 - Portable foam applicator unit
	F011 - Water fog applicator
	F012 - Fixed fire extinguishing installation



Notes:

# General Sales Conditions

We can not fill orders with total amount less than 250 €. For orders that are lower than this amount Sisas will decide if accept them or not, anyway Sisas will inform in a very short time the customer about this decision.

## Orders

The orders can be considered accepted after "order confirmation" reception from the customer. SISAS declines any responsibility for any mistakes due to fail or insufficient indications on the purchase orders.

## Delivery

For quick filled of an order we suggest to order the items per box.

The items in the present catalogue are usually ready to be sold.

The delivery date must be considered indicative and if not respected, for different reasons, can not be considered a cause of redraft. We will not deliver any goods if there is from the customer any overdue invoices.

## Shipments

All the shipment cost will be charged to the customer.

## Packaging

Free of charge, except for special workmanship.

## Claims

It is up to the consignee check the goods when arrived in the warehouse and immediatly inform the forwarder of any lackings or breakings.

We are not responsable for damages caused during the journey if not reported in the forwarder's documents.

Claims must be made within 8 days from the collecting of the goods.

Any claims and objections of the goods can not exempt the costumer to collect any remaining goods in the order.

## Sales returns

In any case, if not authorized by our sales department in written, the costumer can re-send the goods back to the supplier.

The goods returned back must be undamaged in their original packages.

## Warranty

In case of proved defective goods, according to the decision of the supplier, it will be managed to replace or issue a credit note of the authorized amount.

We will not accept any retuned goods sent without this authorization.

## Payment

The payment will be agreed together with the supplier at the moment of the order.



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