# / S / S / A / S / 1980

/ Signs / Systems / Safety /

**Travel safe, *live better***

**/S/S/S/**
**/ Signs / Systems / Safety /**

**New**

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

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# 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)*

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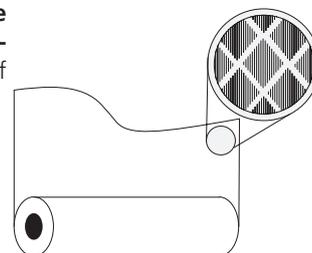
**The particular cut involves only a part of the prisms and cusps (dead corners)**, allowing the light to be reflected almost totally back, instead of dispersing, **guaranteeing the highest refractive characteristics and a very high visibility** in any condition of engagement of the signs and the driving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

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# Permanent Road Signs

The road is close to our hearts and our mission includes everything

that makes its 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 "Dedalo VS"



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

**Strengths:**
Reduced transportation costs thanks to smaller overall shipment volume. Less trips, leading to lower CO2 emissions. Optimized storage space and reduced warehousing costs. More compact pallets and simplified internal handling, facilitating picking.
Quick and easy on-site assembly with lightweight, manageable components.
Modular structure allows replacing the mirror and/or rings without changing the entire housing. Available in various colors, with aesthetic customization options for urban, corporate, or green environments. Branding options: logo on the base, corporate colors, and use of recycled materials (recycled PP).

| | Dimensions: Road mirror box: 63 x 63 x 12,5 cm | | Construction materials: polypropylene back body, the mirror surface is made of polymethylmethacrylate material |
|---|---|---|---|
| | **Weight:** 3,10 kg | | **External surface treatments:** aluminized acrylic |



| accessories | Code: 909021006 |
|---|---|

| Code | Description |
|---|---|
| 909021006 | Wall shell with plate for mirror |

technical datasheet

| Code | Description | Pallet |
|---|---|---|
| 909035122 | Road Mirror "Dedalo VS" O/B | 38 pcs |
| 909035123 | Road Mirror "Dedalo VS" O/O | 38 pcs |

# Road Mirror "Dedalo S"



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

**Strengths:**
Reduced transportation costs thanks to smaller overall shipment volume. Less trips, leading to lower CO2 emissions.
Optimized storage space and reduced warehousing costs.
More compact pallets and sim plified internal handling, facilitating picking. Quick and easy on-site assembly with lightweight, manageable components. Modular structure allows replacing the mirror and/or rings without changing the entire housing.
Available in various colors, with aesthetic customization options for urban, corporate, or green environments.
Branding options: logo on the base, corporate colors, and use of recycled materials (recycled PP).

| | Dimensions: Road mirror box: 63 x 63 x 9,5 cm | | Construction materials: polypropylene back body, the mirror surface is made of polymethylmethacrylate material |
|---|---|---|---|
| | **Weight:** 2,90 kg | | **External surface treatments:** aluminized acrylic |



| accessories | Code: 909021006 |
|---|---|

| Code | Description |
|---|---|
| 909021006 | Wall shell with plate for mirror |

technical datasheet

| Code | Description | Pallet |
|---|---|---|
| 909035120 | Road Mirror "Dedalo S" O/B | 45 pcs |
| 909035121 | Road Mirror "Dedalo S" O/O | 45 pcs |

# Road Mirror "Dedalo L" W/R and Y/B



**Description:**

They are used in low visibility conditions, particularly at crossings. The yellow and black model is specifically designed for dangerous areas in production facilities or warehouses.

**Strengths:**

Reduced transportation costs thanks to smaller overall shipment volume. Less trips, leading to lower CO2 emissions.
Optimized storage space and reduced warehousing costs.
Maximize shipping efficiency

– 50% more mirrors per pallet than Giotto and Archimede models. Quick and easy on-site assembly with lightweight, manageable components.
Modular structure allows replacing the mirror and/or rings without changing the entire housing. Available in various colors, with aesthetic customization options for urban, corporate, or green environments.
Branding options: logo on the base, corporate colors, and use of recycled materials (recycled PP).

|  | **Dimensions:**<br>Road mirror box:<br>63 x 63 x 9,5 cm |  | **Construction materials:**<br>Polypropylene back body, the mirror surface is made of Polymethyl methacrylate materia |
|---|---|---|---|
|  | **Weight:**<br>3,10 kg |  | **External surface treatments:**<br>aluminized acrylic, red or black inserts |



**accessories** **Code: 909021006**

| Code | Description |
|---|---|
| 909021006 | Wall shell with plate for mirror |

**technical datasheet**

| Code | Description | Pallet |
|---|---|---|
| 909035126 | Road Mirror "Dedalo L" W/R | 45 pcs |
| 909035127 | Road Mirror "Dedalo L" Y/B | 45 pcs |

# Road Mirror "Dedalo S" W/R and Y/B



**Description:**

They are used in low visibility conditions, particularly at crossings. The yellow and black model is specifically designed for dangerous areas in production facilities or warehouses.

**Strengths:**

Reduced transportation costs thanks to smaller overall shipment volume.
Less trips, leading to lower CO2 emissions.
Optimized storage space and reduced warehousing costs.

More compact pallets and simplified internal handling, facilitating picking.Quick and easy on-site assembly with lightweight, manageable components. Modular structure allows replacing the mirror and/or rings without changing the entire housing.
Available in various colors, with aesthetic customization options for urban, corporate, or green environments. Branding options: logo on the base, corporate colors, and use of recycled materials (recycled PP).

|  | **Dimensions:**<br>Road mirror box:<br>63 x 63 x 9,5 cm |  | **Construction materials:**<br>polypropylene back body, the mirror surface is made of polymethylmethacrylate material |
|---|---|---|---|
|  | **Weight:**<br>2,90 kg |  | **External surface treatments:**<br>aluminized acrylic |



**accessories** **Code: 909021006**

| Code | Description |
|---|---|
| 909021006 | Wall shell with plate for mirror |

**technical datasheet**

| Code | Description | Pallet |
|---|---|---|
| 909035124 | Road Mirror "Dedalo S" W/R | 45 pcs |
| 909035125 | Road Mirror "Dedalo S" Y/B | 45 pcs |

# 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.

| | | | |
|---|---|---|---|
| | **Dimensions (H / L / W):** 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 | | **Weight:** 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 |
| | | | **Construction materials:** polypropylene back body, the mirror surface is made of polymethylmethacrylate material |
| | | | **External surface treatments:** reflecting part in aluminized acrylic |
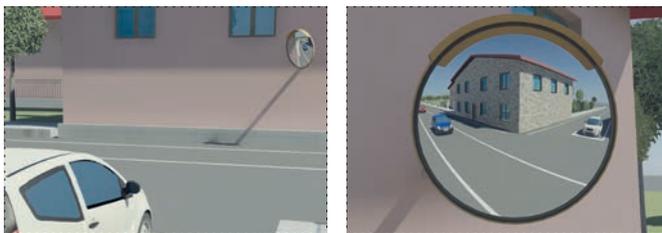


**accessories**

**Code: 909021006**

technical datasheet

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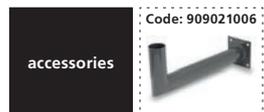
**Strengths:**
Made of plastic material which is resistant to the weathering. It can be installed on Ø 60 mm and 48 mm poles. Thanks to its lighter weight and to the low thickness, the mirror storage and transportation is reduced a lot.

| | | | |
|---|---|---|---|
| | **Dimensions:** Road mirror box: 62 x 62 x 6,5 cm | | **Construction materials:** polypropylene back body, the mirror surface is made of polymethylmethacrylate material |
| | **Weight:** 2,3 kg | | **External surface treatments:** aluminized acrylic |
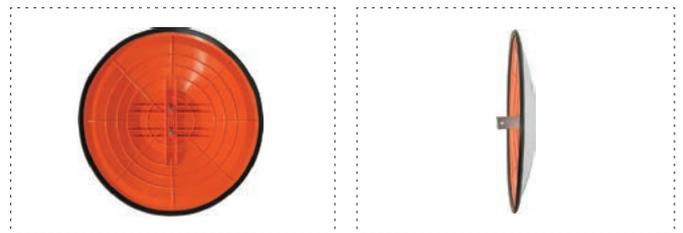


**accessories**

**Code: 909021006**

technical datasheet

| 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.

**New rear support**

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

**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.

**New rear support**

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

**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.

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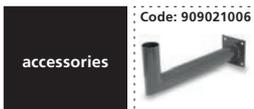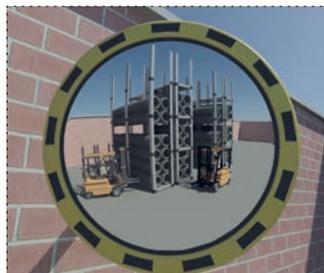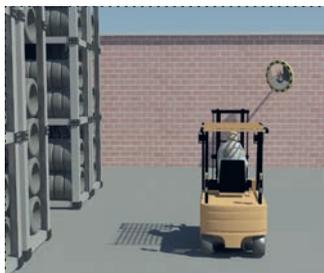


**accessories** — **Code: 909021006**

**technical datasheet**

| 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 |

# 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.

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



**accessories** — **Code: 909021006**

**technical datasheet**

| 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 |

# 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.

| | | | |
|---|---|---|---|
| | **Dimensions (H / L / W):** 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 | **Kg** | **Weight:** 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 |
| | | | **Construction materials:** made in aluminized acrylic material; the edges of the mirrors are made with black rubber gasket |
| | | | **External surface treatments:** 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.

| | | | |
|---|---|---|---|
| | **Dimensions (H / L / W):** 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 | | **Construction materials:** made in aluminized acrylic; the adges of the mirrors are made with black rubber gasket |
| **Kg** | **Weight:** 60x40 cm: 1,62 kg 80x60 cm: 2,35 kg | | **External surface treatments:** 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.



| | Dimensions (D / W): surveillance mirror Ø 60 cm: 60 x 60 x 20 cm | | Weight: 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 | | Construction materials: polymethylmetacrylate material |
| | surveillance mirror Ø 80 cm: 80 x 80 x 28 cm | | External surface treatments: 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 |
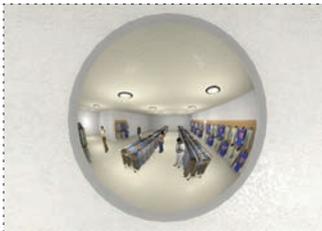
# Road Studs
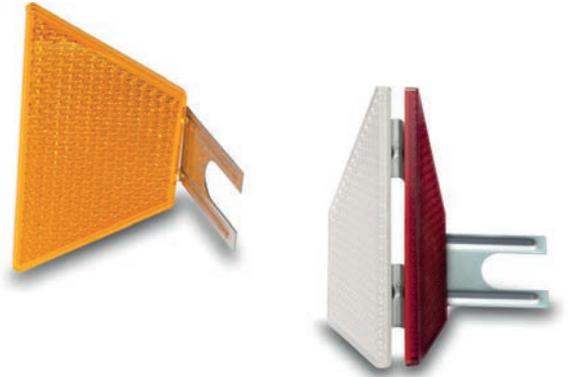


**Description:**
Very high effectivity reflector delineator used in paths and driveways, guidance lines, roundabouts and mountain roads.

**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**

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

**909037053**

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

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

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

# 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.

**121100005**

| | Dimensions: | | Construction materials: |
|---|---|---|---|
| | 80x12,8x8 cm | | High elasticity vulcanized rubber product |
| | Weight: 2,15 kg | | External surface treatments: application of 4 yellow reflective inserts |

accessories | Code: 199000104

| Code | Description |
|---|---|
| 199000104 | HBR 12 x 140 fixing screws |

technical datasheet

| Code | Description |
|---|---|
| 121100005 | 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.



accessories | Code: 909002058

technical datasheet

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

| 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.

| | | | |
|---|---|---|---|
| | **Dimensions (H / L / W):**<br>speed moderator: 3 x 60 x 48 cm<br>terminal: 3 x 60 x 22 cm<br>insert: 12 x 17,5 cm | | **Construction materials:**<br>High elasticity vulcanized rubber product |
| | **Weight:**<br>speed moderator: 9,80 kg<br>terminal: 3,5 kg | | **External surface treatments:**<br>application of 6 elastoplastic yellow reflective inserts |




**accessories** — Code: 1990000104

**technical datasheet**

| 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 |

---

# 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.

| | | | |
|---|---|---|---|
| | **Dimensions (H / L / W):**<br>speed moderator: 5 x 90 x 50 cm<br>insert: 24,6 x 16,7 cm<br>terminal: 5 x 90 x 27 cm | | **Construction materials:**<br>High elasticity vulcanized rubber product |
| | **Weight:**<br>speed moderator: 18,50 kg<br>terminal: 9 kg | | **External surface treatments:**<br>application of 4 elastoplastic yellow reflective inserts |




**accessories** — Code: 1099000104

**technical datasheet**

| 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
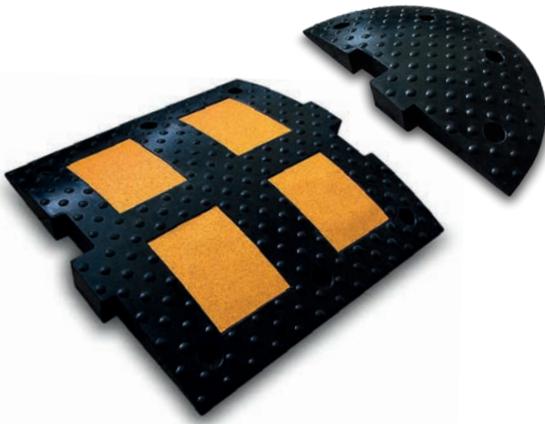


**Description:**
The device is mounted on streets where the speed limit is 40 km/h. It can be installed in all the places where you want to keep a moderate speed.

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

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




**accessories** — Code: 199000104

technical datasheet

| Code | Description |
|---|---|
| 199000104 | HBR 12 x 140 fixing screws |

| Code | Description | Pallet |
|---|---|---|
| 109605415 | 5 cm speed moderator | 80 pcs |
| 110415005 | 5 cm terminal | 100 pcs |

# h 7 cm Rubber Speed Moderator

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

6 Screws
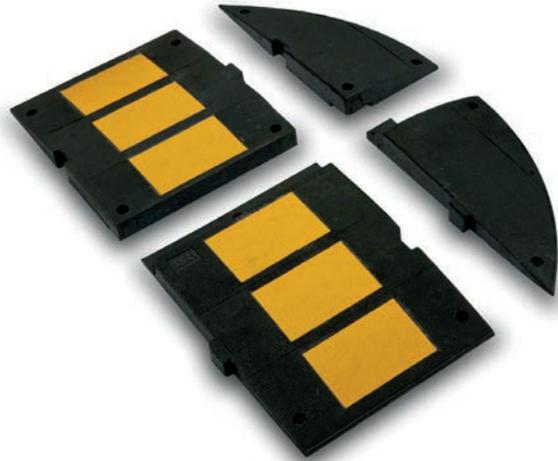


**Description:**
The device is mounted on streets where the speed limit is 30 km/h. It can be installed in all the places where you want to keep a moderate speed.

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

| | | | |
|---|---|---|---|
| | **Dimensions (H / L / W):** speed moderator: 7 x 120 x 50 cm | | **Construction materials:** High elasticity vulcanized rubber product |
| | insert: 24,6 x 15,8 cm | | |
| | total terminal: 7 x 120 x 30,7 cm | | |
| | **Weight:** total speed moderator: 36 kg | | **External surface treatments:** application of 6 elastoplastic yellow reflective inserts |
| | total terminal: 16,6 kg | | |




**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 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.

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



**accessories**  Code: 199000104
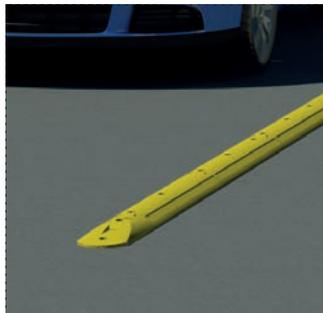
| Code | Description |
| --- | --- |
| 199000104 | HBR 12 x 140 fixing screws |

| 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.

| | Dimensions (H / L / W):<br>curbstone: 10 x 100 x 30 cm<br>insert: 98 x 2,5 cm<br>terminal: 10 x 75,5 x 30 cm<br>insert: 7,9 x 3 cm | | Construction materials:<br>High elasticity vulcanized rubber product |
| --- | --- | --- | --- |
| | Weight:<br>curbstone: 14 kg<br>terminal: 8 kg | | External surface treatments:<br>fully reflective painted |



**accessories**  Code: 199000104  Code: 199000022  Code: 199000050

| Code | Description |
| --- | --- |
| 199000022 | Kit M14 x 240 mm threaded rod |
| 199000050 | 20 kg cement mortar |
| 199000104 | HBR 12 x 140 fixing screws |

| Code | Description | Pallet |
| --- | --- | --- |
| 107610132 | Curbstone 10 cm yellow | 50 pcs |
| 108610193 | Curbstone 10 cm yellow terminal | 50 pcs |
| 112330333 | Everflex EVA h 30 cm for curbstone | 300 pcs |

technical datasheet

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# h 5 cm
# Rubber Curbstone
with yellow reflective inserts

# Rubber
# Car Stop

## 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.

## 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.

| | **Dimensions (H / L / W):**<br>curbstone: 5 x 100 x 16 cm<br>insert: 98 x 2,5 cm<br>male terminal: 5 x 52,5 x 16 cm<br>female terminal: 5 x 42,5 x 16 cm<br>insert: 3,9 x 2,5 cm | | **Construction materials:**<br>High elasticity vulcanized rubber product |
| --- | --- | --- | --- |
| | **Weight:**<br>curbstone: 7 kg<br>male terminal: 2,9 kg<br>female terminal: 2,90 kg | | **External surface treatments:**<br>application of elastoplastic yellow reflective inserts |

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

**accessories** — Code: 199000104

technical datasheet

**accessories** — Code: 199000104

technical datasheet

| 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 |

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

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

**accessories** — **Code: 202000059**




technical datasheet

| 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.

| | | |
|---|---|---|
| **Light source:** 3W red led | **Power supply:** 6 $V_{dc}$ | **On/off switch:** external |
| **Light emission:** red steady light | **Type of battery:** nr. 2 4R25 batteries of: 25 Ah | **Dimensions (H / L / W):** 36,5 x 20 x 9,5 cm |
| **Luminous intensity:** Class L7 | **Duration:** 500 h | **Weight:** 0,7 Kg |
| **Certifications:** In compliance with UNI EN 12352 | **Twilight:** yes | **Temperature:** -40 °C - +85 °C |

**accessories** — **Code: 202000059**



700 m


technical datasheet

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

# 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.

| | | | | | |
|---|---|---|---|---|---|
| **Light source:** 2 leds for each side | | **Power supply:** 6 V$_{dc}$ | | **On/off switch:** inside | |
| **Light emission:** standard yellow flashing light | | **Type of battery:** nr. 2 4R25 batteries of: _7 Ah_ / _25 Ah_ / _45 Ah_ | | **Dimensions (H / L / W):** 35,5 x 19,5 x 9,5 cm | |
| **Luminous intensity:** L3 | | **Duration:** _713 h_ / _2500 h_ / 4500 h | | **Weight:** 0,55 Kg | |
| **Lenses:** yellow lens | | **Twilight:** yes | | **Temperature:** -15 °C - +85 °C | |

**accessories** — Code: 202000059

**CE** **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 accidenta l switching, activation is made by a "special key". Practical, and ease to use.

| | | | | | |
|---|---|---|---|---|---|
| **Light source:** 2 leds for each side | | **Power supply:** 6 V$_{dc}$ | | **On/off switch:** inside | |
| **Light emission:** red steady light | | **Type of battery:** nr. 2 4R25 batteries of: _7 Ah_ / _25 Ah_ / _45 Ah_ | | **Dimensions (H / L / W):** 35,5 x 19,5 x 9,5 cm | |
| **Luminous intensity:** 2 cd | | **Duration:** _105 h_ / _370 h_ / 680 h | | **Weight:** 0,55 Kg | |
| **Lenses:** red lens | | **Twilight:** yes | | **Temperature:** -15 °C - +85 °C | |

**accessories** — Code: 202000059

**CE** **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.

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

**accessories**  Code: 202000059



CE   RoHS 2002/95/EC   technical datasheet
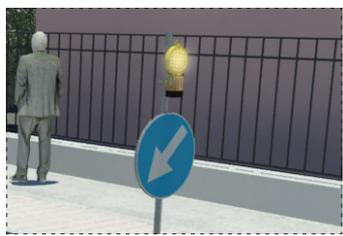
| Code | Description | Pack | Pallet |
|---|---|---|---|
| 202000009 | One yellow | 12 pcs | 24 packs |

# Flashing Light "One Red"

### Description:
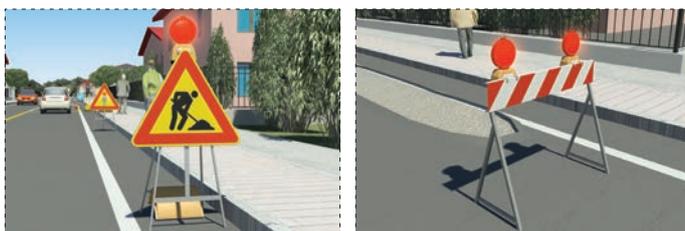Red steady light with one battery is mainly used in working zones, urban areas and for supplementing normal signals. The warning light can be positioned using the triangular connection set on the lens and besides it has a rear bracket.

### 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.

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

**accessories**  Code: 202000059



CE   RoHS 2002/95/EC   technical datasheet

| Code | Description | Pack | Pallet |
|---|---|---|---|
| 202000007 | One red | 12 pcs | 24 packs |

# Flashing Light
# "Flashing Light Yellow with Solar Panel"

### Description:

The flashing light is essential on road construction sites to enhance visibility at night or in low-visibility conditions. It should be practical and easy for operators to use. During the nighttime or low visibility, barriers must be equipped with flashing or steady yellow lights, synchronized or sequential, to highlight the edges of the work area, and can also be installed above signs.

### Strengths:

The lens ensures even light distribution without reducing the LED intensity. On top, there is a handle for hook installation and a 0.4 W photovoltaic module. Low consumption, high durability.

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Light source:** 6 high brightness leds | | **Power supply:** 6 V$_{dc}$ | | **On/off switch:** inside | |
| | **Light emission:** standard yellow flashing light | | **Type of battery:** Integrated battery pack 12VDC 150 mA | | **Dimensions (H / L / W):** 33,5x19x10 cm | |
| | **Luminous intensity:** L3 | | **Duration:** 120h/150h with charging of 8 hours | | **Weight:** 0,72 Kg | |
| | **Lenses:** yellow lens | | **Twilight:** yes | | **Temperature:** -20 °C - +85 °C | |

**accessories** **Code: 202000059**

**CE** **RoHS** 2002/95/EC

technical datasheet

| Code | Description | Pack | Pallet |
|---|---|---|---|
| 202000126 | Flashing Light Yellow with solar panel | 12 pcs | 24 packs |

# Flashing Light
# "Flashing Light Red with Solar Panel"

### Description:

The flashing warning light is essential in all road works to enhance standard signage during nighttime and in low-visibility conditions. It is valued for its practicality and ease of use by workers. The device is mainly used in operating areas that must be equipped with fixed red lights to ensure the safety of road users and pedestrians in poor visibility conditions.

### Strengths:

The lens ensures even light distribution without reducing the LED intensity. On top, there is a handle for hook installation and a 0.4 W photovoltaic module. Low consumption, high durability.

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Light source:** 6 high brightness leds | | **Power supply:** 6 V$_{dc}$ | | **On/off switch:** inside | |
| | **Light emission:** red steady light | | **Type of battery:** Integrated battery pack 12VDC 150 mA | | **Dimensions (H / L / W):** 33,5x19x10 cm | |
| | **Luminous intensity:** 2 cd | | **Duration:** 120h/150h with charging of 8 hours | | **Weight:** 0,72 Kg | |
| | **Lenses:** red lens | | **Twilight:** yes | | **Temperature:** -20 °C - +85 °C | |

**accessories** **Code: 202000059**

**CE** **RoHS** 2002/95/EC

technical datasheet

| Code | Description | Pack | Pallet |
|---|---|---|---|
| 202000123 | Flashing Light Red with solar panel | 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.

**Brigthness L8M**

**Strenghts:**
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.

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

**accessories**  **Code: 202000059**

technical datasheet

RoHS 2002/95/EC

CE

| 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.

technical datasheet

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

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

---

# 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.

technical datasheet

| | **dimensions (H / L / W):** 9,8 x 6,7 x 6,7 cm | | **Weight:** 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):<br>9,8 x 6,7 x 6,7 cm | | Weight:<br>0,85 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):<br>23 x 50 x 22 cm | | Weight:<br>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):<br>20 x 31 x 19 cm | | Weight:<br>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.

RoHS
2002/95/EC

technical datasheet

| | dimensions (H / L / W):<br>20 x 24 x 35 cm | | Weight:<br>12,2 kg |
|---|---|---|---|

| Code | Description |
|---|---|
| 200400020 | Battery recharger for trailer 12V 40Ah |

# Led Optics Flashing Modes

Graphical representation of the 3 kind of flashing modes available for the three sizes of Led optics included in the catalogue.

### Standard flashing mode

| 0,45" ON | ☀ 1,00" OFF | 0,45" ON |
|---|---|---|

0"          0,5"          1"          1,5"          2"

0,1"  0,2"  0,3"  0,4"    0,6"  0,7"  0,8"  0,9"    1,1"  1,2"  1,3"  1,4"    1,6"  1,7"  1,8"  1,9"
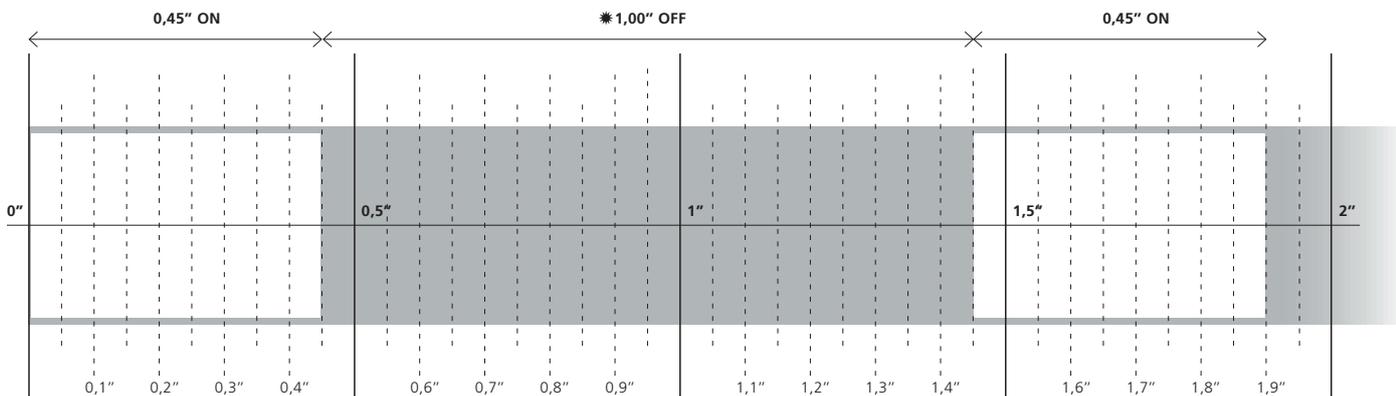
### Flash mode (⅓ of consumption of tri-flash mode)

| 0,05" ON | ☀ 0,95" OFF | 0,05" ON | ☀ 0,95" OFF |
|---|---|---|---|

0"          0,5"          1"          1,5"          2"

0,1"  0,2"  0,3"  0,4"    0,6"  0,7"  0,8"  0,9"    1,1"  1,2"  1,3"  1,4"    1,6"  1,7"  1,8"  1,9"

### Tri-flash flashing mode

| 0,05"ON ☀0,05"OFF | ☀0,75" OFF | 0,05"ON ☀0,05"OFF | ☀0,75" OFF |
|---|---|---|---|

0"          0,5"          1"          1,5"          2"

0,1"  0,2"  0,3"  0,4"    0,6"  0,7"  0,8"  0,9"    1,1"  1,2"  1,3"  1,4"    1,6"  1,7"  1,8"  1,9"
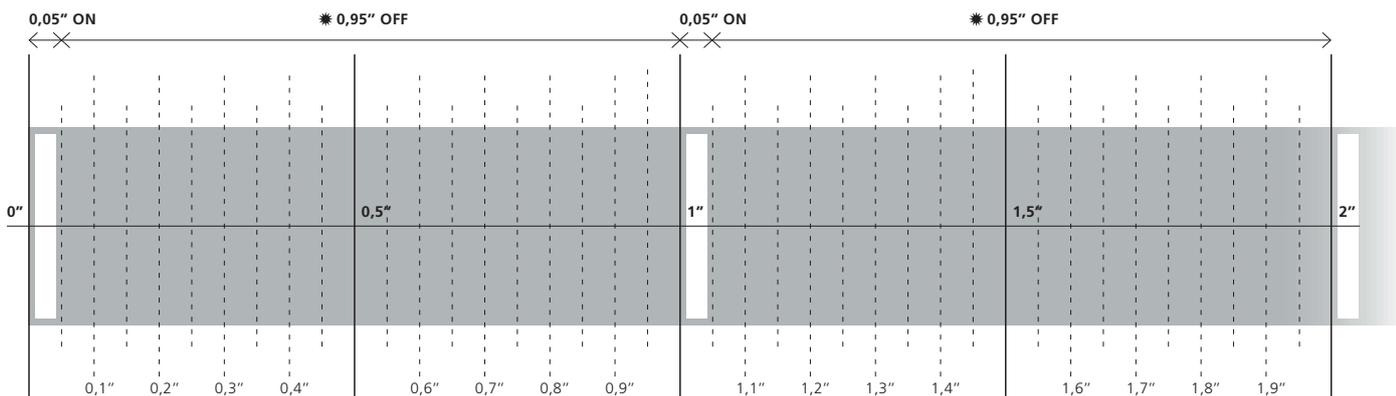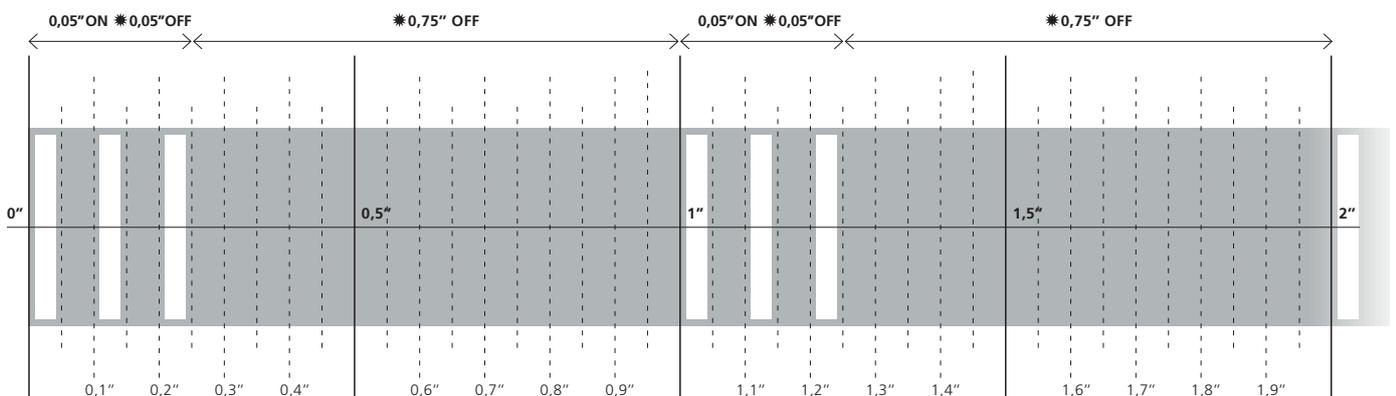
All our range of Led optics are in compliance with
**European Standard UNI EN 12352**

UNI
CE

**Led Optic Size**

300 mm
200 mm
100 mm

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

Protection Grade **IP 65/67**

# Flashing Light "Led optic DS200 mm Fresnel Slim 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.

The body of only 5.8 cm is made of impact-resistant weather-resistant, with anti-UV material. Thanks to its compact size, it can be used for a wide range of applications (mounted on structures, panels, on road signs) or with the special bracket on poles, cones, W/R panels for sequential systems. Silicon o-ring to ensure a perfect IP protection.
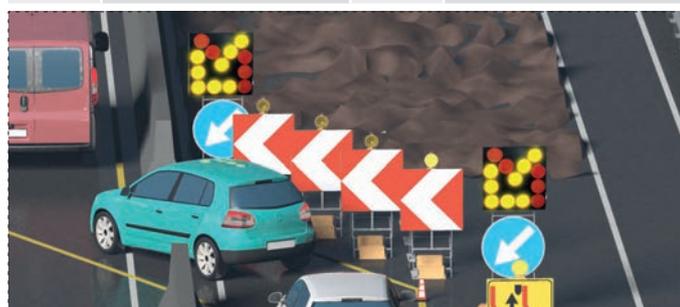
*New!*
*it can be fitted with an optional remote control that ensures high versatility allowing to choose the most suitable type of flash.*
*(SEE PAG. 32)*

CE  RoHS 2002/95/EC

technical datasheet

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

# Kit for Warning Trailer
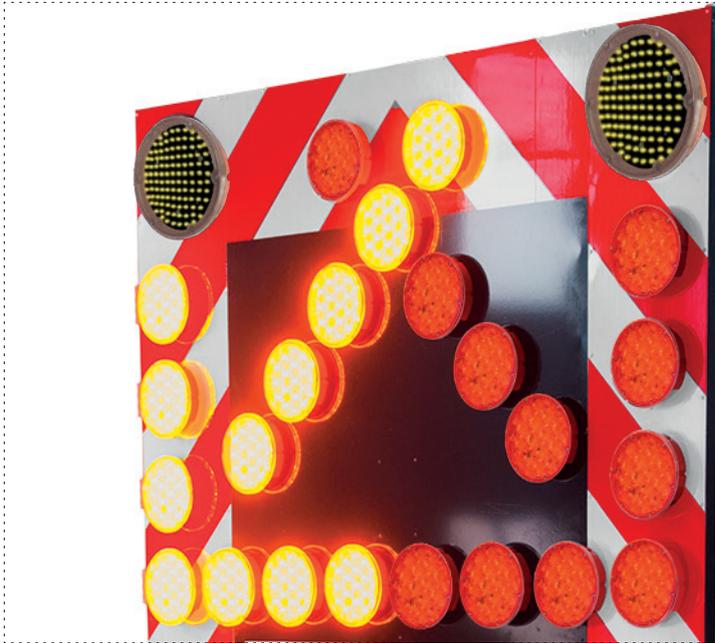
### Description:
It is composed of 25 LED lenses and a control unit. The device can be used on any type of structure thanks to the ease of assembly of the lenses.

### 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



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









| Code | Description |
|---|---|
| 204200252 | Kit for warning trailer 23 led lights ds200 + 2 led lights 300 mm + Control unit |
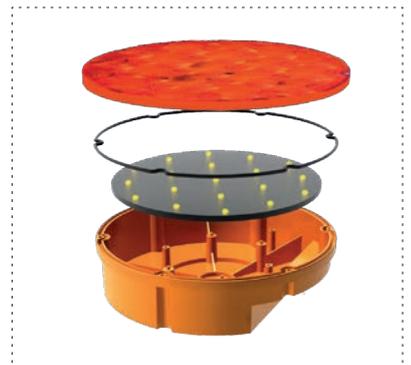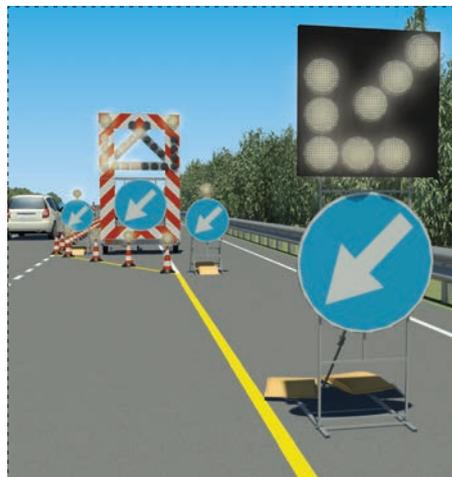
# Flashing Light
## "Bi-Color Led Light diameter 200 mm"
In One **Light** Two **Colors** available



### 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.

| | | | | | |
|---|---|---|---|---|---|
| UNI | 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  **Consumption (red steady mode):** Average 370mA Pick 720mA |
| | 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  Weight: 0,630 Kg (with 1 meter cable) |
| | Light emission: yellow flashing (amber), red steady | | Twilight: on request | | Duration (red steady mode): steady mode 148h / 108h / 270h / 480h | Temperature: -20 °C - +85 °C |





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

# Flashing Light Evo
## "Led optic Ø 100 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 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.

**technical datasheet**



## flashing light

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

## slave light - steady light

| | Certifications: | | Luminous intensity: | | Consumption: | | Dimensions (H / L / W): |
|---|---|---|---|---|---|---|---|
| | in compliance with UNI EN 12352 | | Class L2H | | 200 mA | | 14 x 14 x 3 cm |
| | Light source: nr. 32 high intensity led | | Power supply: 12 V$_{dc}$ | | On/off switch: absent | | Weight: 0,25 Kg |
| | Light emission: steady Yellow (amber) | | Type connection to the battery: with 1mm² cable | | Twilight: absent | | Temperature: -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. 32)*

## flashing light

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

## slave light - steady light

| | Certifications: in compliance with UNI EN 12352 | | Luminous intensity: Class L2H | | Consumption: 200 mA | | Dimensions (H / L / W): 14 x 14 x 3 cm |
|---|---|---|---|---|---|---|---|
| | Light source: nr. 32 high intensity led | | Power supply: 12 V$_{dc}$ | | On/off switch: absent | | Weight: 0,2 Kg |
| | Light emission: steady Yellow (amber) | | Type connection to the battery: with 1mm² cable | | Twilight: absent | | Temperature: -15 °C - +85 °C |

technical datasheet

| Code | Description |
|---|---|
| 201900119 | Standard Flashing light 100 mm  single |
| 201900307 | Triflash Flashing light 100 mm single |
| 201900211 | Slave light 100 mm |
| 201900207 | Master light 100 mm |
| 201900337 | Red slave light 100 mm single |
| 201900338 | Green slave light 100 mm single |

# 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 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.

**Possible application available**

| | | | | | |
|---|---|---|---|---|---|
| | **Certifications:** In compliance with UNI EN 12352 | | **Power supply:** 12 / 24 V$_{dc}$ | | **Twilight:** twilight on request |
| | **Light source:** two optics with 32 high intensity leds | | **Type of Batteries:** 18Ah/40Ah/100Ah/180Ah | | **Photovoltaic kit:** 20W |
| | **Light emission:** yellow (amber) | | **Duration (synchronous):** standard flash mode 120h / 270h / 680h / 1200h; tri-flash mode 250h / 550h / 1300h / 2450h | | **Dimensions (H / L / W):** with cables included 14 x 14 x 10 cm |
| | **Luminous intensity:** Class L2H | | **Duration (alternate):** standard flash mode 75h / 160h / 410h / 750h; tri-flash mode 250h / 550h / 1300h / 2450h | | **Weight:** 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 ynchronous |
| 201900420 | 100 mm double flashing light alternate |

**CE** **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 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.

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

| | **Code: 201200100** | Code | Description |
|---|---|---|---|
| **spare parts** | | 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 |

**CE** **RoHS 2002/95/EC**

**technical datasheet**

# 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. 32)*

### flashing light

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

### slave light - steady light

| | | | | |
|---|---|---|---|---|
| **Certifications:** in compliance with UNI EN 12352 | **Luminous intensity:** Class L8H | **Consumption:** 900 mA | **Dimensions (H / L / W):** 23 x 23 x 4 cm |
| **Light source:** nr. 120 high intensity leds | **Power supply:** 12 $V_{dc}$ | **Twilight:** absent | **Weight:** 0,85 Kg |
| **Light emission:** steady Yellow (amber) | **Type connection to the battery:** with 1mm² cable | **On/off switch:** absent | **Temperature:** -15 °C - +85 °C |
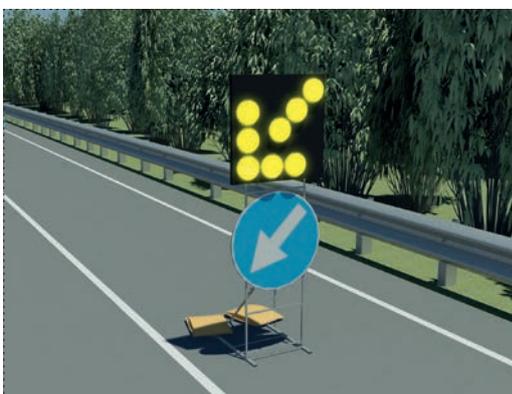
technical datasheet

| 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 |

RoHS 2002/95/EC

# Evo Flashing Light
## "Led optic Ø 200 mm"
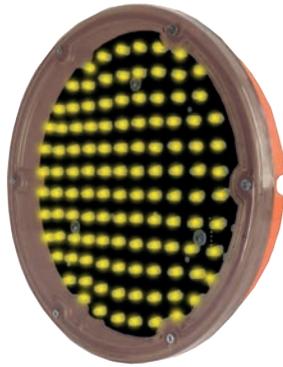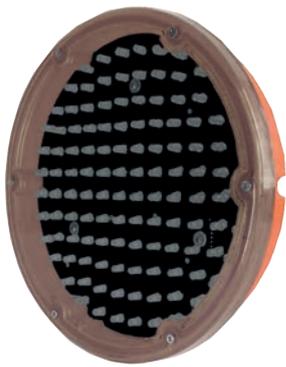
### Description:
The new Evo Led light is mainly used to warn the drivers about a danger situation or a work zone where they need to pay particular attention.

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.

CE | RoHS 2002/95/EC

## flashing light

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

## slave light - steady light

| | Certifications: in compliance with UNI EN 12352 | | Luminous intensity: Class L8H | | Consumption: 900 mA | | Dimensions (H / L / W): 22 x 22 x 4 cm |
|---|---|---|---|---|---|---|---|
| | Light source: nr. 120 high intensity leds | | Power supply: 12 $V_{dc}$ | | Twilight: absent | | Weight: 0,480 Kg |
| | Light emission: steady Yellow (amber) | | Type connection to the battery: with 1mm² cable | | On/off switch: absent | | Temperature: -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 |

# Evo Flashing Light
## "Alert Box One with Led light Ø 200 mm and Solar Panel 5W"

**New**

**Description:**

The Pedestrian Alert system is designed to enhance road safety by providing early warning of dangerous situations and clearly signaling the presence of pedestrian crossings.

Its adaptable kit design allows quick installation on any traffic sign pole, ensuring maximum versatility and ease of use.

The unit is supplied with a high-visibility flash mode to guarantee immediate attention in all conditions.

**Strengths:**

High brightness and low power consumption thanks to the flash blinking mode.

The system is easy to install, lightweight, and features a user-friendly interface.

Excellent speed-deterrent effect and ensures reliable performance, increasing road safety.

| | | | |
|---|---|---|---|
| **Certifications:** Optics in compliance with UNI EN 12352 | | **Power supply:** 12 $V_{dc}$ | |
| **Type of battery:** photovoltaic panel battery 7Ah | | **Box:** metallic black painted box with brackets | |
| **Light source:** 1 led optics with flashing or triflash luminous mode | | **Dimensions:** 60 x 40 x 33 cm | |

**Box**
**Material:** Powder-coated aluminum, black color
**Box dimensions:**
W 235 × H 235 × D 115 mm
**Maximum overall dimensions:**
W 240 × H 240 × D 165 mm
**Weight:** 3.9 kg
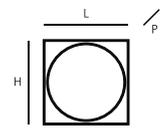
**Photovoltaic Module**
**Module dimensions:**
W 185 × H 230 × D 25 mm
**Kit with support dimensions:**
W 185 × H 370 × D 225 mm
**Weight:** 1.97 kg
**Pole support:** Ø 60 mm
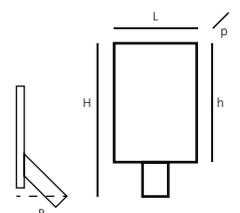
**41**

## accessoires

| Code | Description |
|---|---|
| 203000029 | 20 W photovoltaic panel Fast-On |
| 203000030 | 50 W photovoltaic panel Fast-On |
| 202000040 | 5 W photovoltaic panel Fast-On |
| 203200004 | 10 A charge controller |
| 203200002 | 5 A charge controller |
| 201900436 | EVO Master light 200 mm |
| 205600077 | Pedestrian save control unit |

| Code | Description |
|---|---|
| 205600114 | Alert Box One with Led light Ø 200 mm and Solar Panel 5W |

**technical datasheet**

**RoHS** 2002/95/EC

# 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.

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

**accessories**    **Code: 201900193**

CE    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**

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

CE    RoHS 2002/95/EC

technical datasheet

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

# 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.

**accessories**

Code: 201900193

## Synchronous

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

## Alternate

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

201900131

201900134

CE  RoHS 2002/95/EC

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

# Flashing Light
# "Led optic Ø 300 mm L9H"
# IP 65/67

### 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:<br>In compliance with<br>UNI EN 12352 | | Luminous intensity:<br>L9H | | Type of Batteries:<br>18Ah / 40Ah / 100Ah / 180Ah | | Dimensions (H / L / W):<br>33,5 x 33,5 x 6 cm |
|---|---|---|---|---|---|---|---|
| | Light source:<br>31 leds | | Power supply:<br>8-30 $V_{dc}$ | | Duration:<br>standard flash mode<br>47h / 104h / 260h / 469h<br>tri-flash mode<br>140h / 313h / 781h / 1406h | | Weight:<br>1,97 kg |
| | Light emission:<br>Yellow (amber) | | Twilight:<br>Yes, on request only at night | | Photovoltaic kit:<br>50 W | | Temperature:<br>-15 °C - +85 °C |

## slave light - steady light

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

**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

CE RoHS 2002/95/EC

## synchronous

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

## alternate

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

**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**

## flashing light

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

## slave light - steady light

| | Certifications: In compliance with UNI EN 12352 | | Luminous intensity: Class L9M | | Consumption: 1350 mA | | Dimensions (H / L / W): 34 x 44 x 6 cm |
|---|---|---|---|---|---|---|---|
| | Light source: nr. 232 high intensity leds | | Power supply: 12 V$_{dc}$ | | Twilight: absent | | Weight: 1,82 Kg |
| | Light emission: steady Yellow (amber) | | Type connection to the battery: with 1 mm² cable | | On/off switch: absent | | Temperature: -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*

### flashing light

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

### slave light - steady light

| | Certifications: In compliance with UNI EN 12352 | | Luminous intensity: Class L9M | | Consumption: 1350 mA | | Dimensions (H / L / W): 34 x 34 x 4,5 cm |
|---|---|---|---|---|---|---|---|
| | Light source: nr. 232 high intensity leds | | Power supply: 12 V$_{dc}$ | | Twilight: absent | | Weight: 1,55 Kg |
| | Light emission: steady Yellow (amber) | | Type connection to the battery: with 1 mm² cable | | On/off switch: absent | | Temperature: -15 °C - +85 °C |

technical datasheet

| 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 |

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# 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.

**accessories**

**Code: 203300005**

## Synchronous

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

## Alternate

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

**201900124**

**201900127**

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

# 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 availble in three versions: only board to mounted in exiting sign, with orange housing to mount on a pole with a thin trasparent 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.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ☀ | **Photovoltaic kit:** 50 W | 🌡 | **Temperature:** -15 °C - +85 °C | 🔋 | **Type of Batteries:** 18Ah / 40Ah / 100Ah / 180Ah | 📦 | **Dimensions (H / L / W):** 23 x 22 x 4 cm 23 x 22 x 16 cm (with moplen case) |
| 💡 | **Light source:** nr. 132 green leds | 🔌 | **Power supply:** 12 / 24 $V_{dc}$ | ⏱ | **Consumption:** Standard mode 41 mA @12Vdc Flash mode 18 mA @12Vdc Tri-flash mode 27 mA @12Vdc | ⚖ | **Weight:** 1,16 Kg 3,56 kg (with moplen case) |

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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.

**Strenghts:**

Simple to install, low consumption.

| | | | | | |
|---|---|---|---|---|---|
| 📦 | **Dimensions:** Optic diameter 200 mm | 💡 | **Light source:** Arrow shape 40 green leds Cross shape 48 red leds | 🔌 | **Power supply:** 12 $V_{dc}$ |
| ⏱ | **Consumption:** Red average 240 mA Green average 280 mA | 🔲 | **Type of power:** network; photovoltaic panel; public network | 🌡 | **Temperature:** -20 °C - +85 °C |

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technical datasheet

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

# Flashing Light
# "Led optics diameter 200 mm Wi-Fi"

**Description:**
The 200 mm led light features Wi-Fi programming for easy setup, allowing you to adjust settings, change flash patterns, and synchronize devices.

**Strengths:**
No software is required to program the devices or ac-

cess their features. A simple dashboard page has been developed, allowing full control of all functions. The system is designed to be managed from any Wi-Fi-enabled device using a standard web browser, such as a computer, tablet, or smartphone.

**NO software required**

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

| Code | Description |
|---|---|
| 201901318 | Master light 200 mm Wi-Fi |
| 201900180 | Slave light 200 mm |

**technical datasheet**

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# 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.

| | | | |
|---|---|---|---|
| | **Power supply:**<br>12 V$_{dc}$ | | **Transmission interface:**<br>RS485 |
| | **Consumption:**<br>20 mA | | **Dimensions (H / L / W):**<br>5 x 6,7 x 1,7 cm |
| | **Twilight:**<br>no | | **Weight:**<br>0,5 Kg |

**technical datasheet**
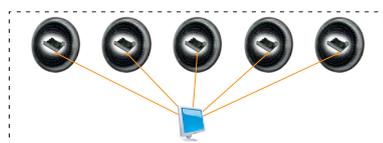
| Code | Description |
|---|---|
| 204500174 | LM Check |

# 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.

| | | | |
|---|---|---|---|
| | **Power supply:**<br>9 V$_{dc}$ | | **Dimensions (H / L / W):**<br>14 x 6 x 3 cm |
| | **Type of Batteries:**<br>nr. 1 / 6LR61 | | **Weight:**<br>0,1 Kg |
| | **On/off switch:**<br>outside | | **Temperature:**<br>-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$_{dc}$ | **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 1000 mts | **Temperature:** -20 °C - +70 °C |

technical datasheet

RoHS 2002/95/EC

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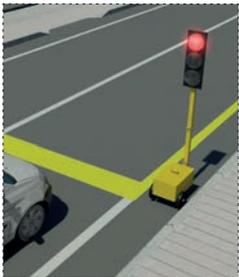
**spare parts**

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.
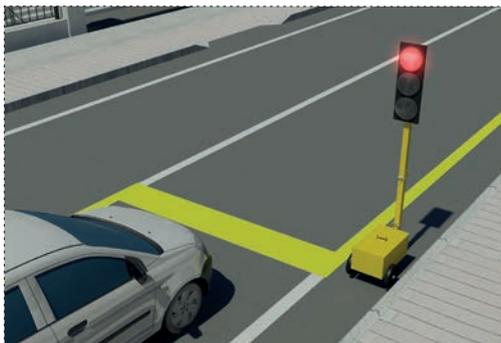
**Strengths:**

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.

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

technical datasheet

| 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 |

**spare parts**

Code: 205000098
Code: 201900192
Code: 200600077
Code: 200200012
Code: 200300011
Code: 200500077
Code: 201900162
Code: 201900167
Code: 201900180

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

# QM3rDW Control Unit Wi-Fi

**Description:**

Traffic light control unit, thanks to its versatility it can be used with both incandescent and led lamps in systems with and without connecting cables. Suitable for any road construction site where safety and reliability are required.

**Strengths:**

The most common use is close to construction sites to facilitate the work of the workers, or when it is useful to convey traffic in both directions in a single lane as in case of landslides, road accidents, etc. The QM3rDW control unit can operate both in quartz mode then independently without physical connection between the two control units or by cables.

With cable mode you can use the interaction between systems to activate alarms in case of anomalies. The QM3rDW control unit allows both the use of LED lanterns and traditional 12V bulb lanterns APP directly from your smartphone.

Possibility of setting all the different modes and functions by WI-FI connection.

WiFi
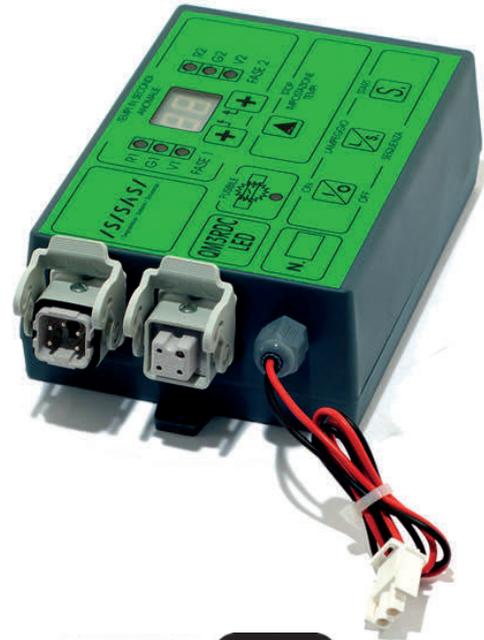
| | Max phases: two 4 led traffic lights | | Times: 1 - 495 sec | | Alarms: Lamp, battery , communication |
|---|---|---|---|---|---|
| | Light source: led or traditional lantern | | Power supply: 12 $V_{dc}$ | | Autonomy: (100 Ah battery) 168 hours |
| | Dimensions (H / L / W): 8,4 x 17,5 x 12,5 cm | | Weight: 0,380 Kg | | Temperature: -15 °C - +85 °C |

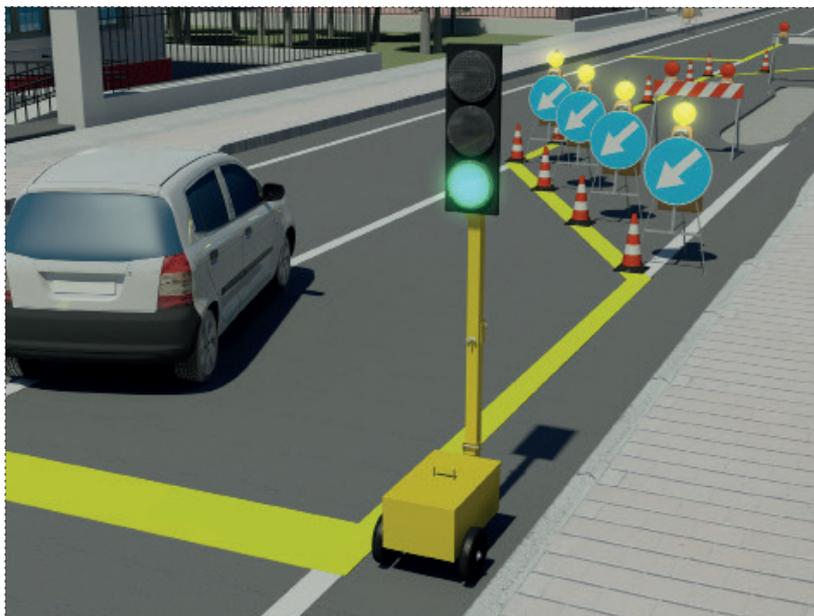technical datasheet

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## NEW APP

/S/SAS/

| Code | Description |
|---|---|
| 200600091 | QM3RDW WIFI led traffic light control unit single |

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# 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.
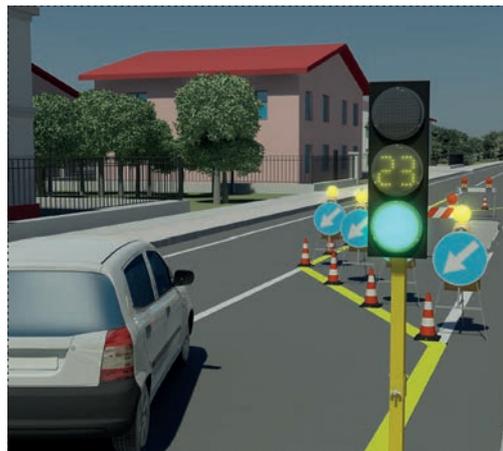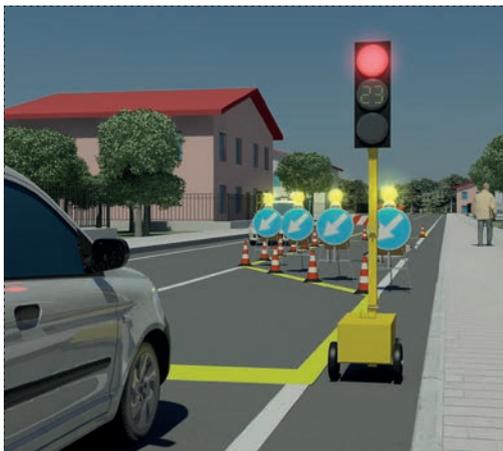
## Strengths:

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.

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

**technical datasheet**

RoHS 2002/95/EC

| | | |
|---|---|---|
| **spare parts** | Code: 205000098 | Code: 205000096 | Code: 200500077 |
| | Code: 200600077 | Code: 200200012 | Code: 200300011 | Code: 201900367 |

| 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 |

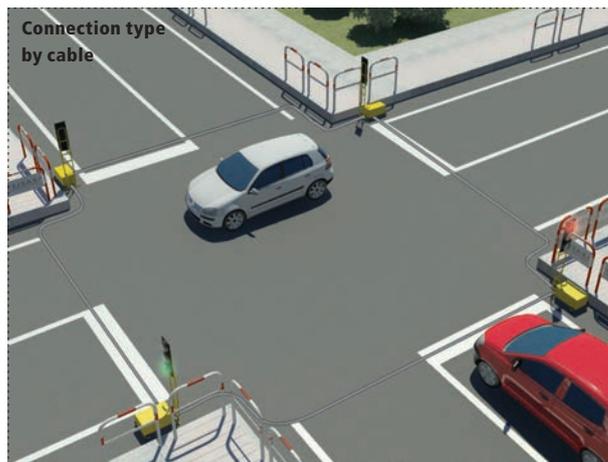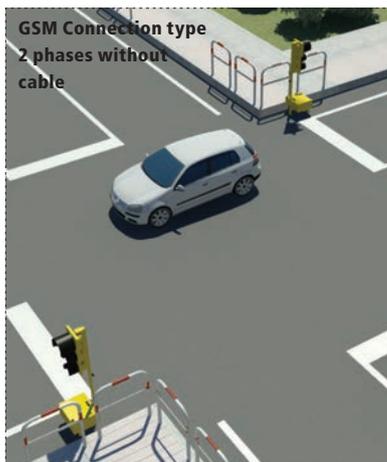| Code | Description | Pack | Pallet |
|---|---|---|---|
| 205000095 | Led traffic light - Count Down | 1 couple | 2 couples |

# 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$_{dc}$ | **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 / **GSM** | **Maximum distance:** Maximum cable lenght 1000 m | **Temperature:** -15 °C - +85 °C | |

**GSM Connection type 2 phases without cable**

**Connection type by cable**

**technical datasheet**

RoHS 2002/95/EC

**accessories**

Code: 204000023

Code: 204500213

Code: 200500138

Code: 200500077

| Code | Description |
|---|---|
| 204000023 | Radar |
| 204500213 | Radio module **GSM** |
| 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**

RoHS 2002/95/EC

## E-one Radio Sincroled

| | Certifications: In compliance with UNI EN 12352 | | luminous intensity: Class L8G | | Type of battery: nr. 2 4R25 batteries of: 7 Ah / 25 Ah / 45 Ah | | Dimensions (H / L / W): 36,5 x 20 x 9,5 cm |
|---|---|---|---|---|---|---|---|
| | Light source: 3W yellow led | | Power supply: 6 V$_{dc}$ | | Duration: 290 h / 1000 h / 1900 h | | Weight: 0,7 Kg |
| | Light emission: sequential flashing, groups of five | | Twilight: no | | On/off switch: external | | Temperature: -20 °C - +85 °C |

## E-ONE STAR Radio Sincroled

| | Certifications: In compliance with UNI EN 12352 | | luminous intensity: Class L8M | | Type of battery: nr. 2 4R25 batteries of: 25 Ah | | Dimensions (H / L / W): 36,5 x 20 x 9,5 cm |
|---|---|---|---|---|---|---|---|
| | Light source: 12 W white led | | Power supply: 12 V$_{dc}$ | | Duration: 390 h | | Weight: 0,7 Kg |
| | Light emission: sequential flashing, groups of five | | Twilight: no | | On/off switch: external | | Temperature: -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 |

# Flashing Light "Radio Sincroled" IoT

**New**

## 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.

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

**technical datasheet**

**RoHS** 2002/95/EC
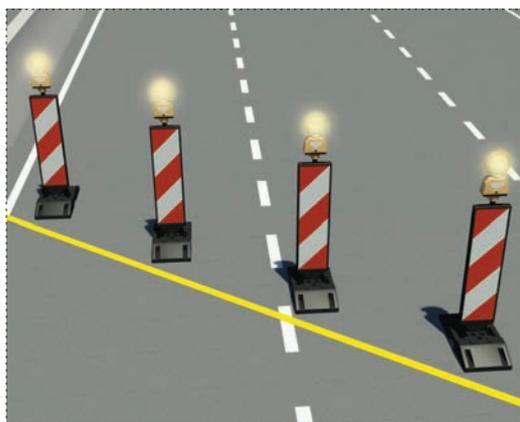
| accessories | Code: 200300016 | Code: 200300022 | with 42 mm cap |
|---|---|---|---|
| Code: 200300048 | Code: 204200005 | Code: 201800033 | |

| Code | Description |
|---|---|
| 200300016 | 6 V 7 Ah battery |
| 200300022 | 6 V 25 Ah battery |
| 200300048 | 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 IoT | 4 pcs |
| 202000111 | Radio Sincroled with 42 mm cap IoT | 4 pcs |

# Flashing Light
# E-ONE STAR IoT 24 +

## Description:

The ONE Star IOT 24+ Yellow is a single-sided LED flasher designed for temporary road signaling and continuous 24-hour operation.

It features an integrated photovoltaic panel that increases the autonomy of 4R25 non-rechargeable batteries, reducing maintenance needs. The L8M Led light ensures high visibility even in bright daylight conditions.

Thanks to radio synchronization and low-power LoRa communication, multiple devices can operate in sequence or as a barrier over long distances. The system supports remote monitoring via the optional HubRadio module with data transmission through GPRS.

## Strengths:

Continuous 24/7 operation with high visibility L8M Led light, effective in daylight.

Integrated solar panel for extended battery life, radio-synchronized operation for dynamic signaling.

Long-range, low-power LoRa communication, optional remote monitoring and fault notifications.

Quick installation and easy maintenance.

CE RoHS 2002/95/EC

technical datasheet

| | Certifications: In compliance with UNI EN 12352 | | luminous intensity: Class L8M | | Type of battery: nr. 2 4R25 batteries of: 7 Ah / 25 Ah / 45 Ah | | Dimensions (H / L / W): 36,5 x 20 x 9,5 cm |
|---|---|---|---|---|---|---|---|
| | Light source: 12 W white led | | Power supply: 12 $V_{dc}$ | | Duration: Standard flashing mode 120h/430h/780h | | Weight: 0,7 Kg |
| | Light emission: sequential yellow (amber) | | Luminous intensity regulation: variable intensity depending on ambient light | | On/off switch: external | | Temperature: -20 °C - +85 °C |

| accessories | Code: 200300016 | Code: 200300022 | Code: 203000041 |
|---|---|---|---|
| | Code: 200300048 | Code: 204200005 | Code: 201800033 |

| Code | Description |
|---|---|
| 200300016 | 6 V 7 Ah battery |
| 200300022 | 6 V 25 Ah battery |
| 200300048 | 6 V 45 Ah battery |
| 204200005 | White/Red Engineer Grade 25x100 cm signal panel |
| 201800033 | 28 kg safety base |
| 203000041 | 5W solar panel |

| Code | Description |
|---|---|
| 202000131 | E-ONE STAR IoT 24 + flashing light Ø 230 |

# Flashing Light
# Radio Sincroled IoT 24+

**Description:**

The system creates a sequential lighting pattern to warn vehicles of lane narrowing or carriageway shifts. It is designed for motorway work sites as a complement to standard road signage. The warning lights are synchronized via radio, allowing sequential activation.

**Strengths:**

Thanks to its compact size and wireless design, installation is quick and easy. The lamp features high-brightness LED (L8H), multiple flashing modes, and battery level monitoring. Radio synchronization enables reliable use even in long-duration road works.

The LED construction warning light with IoT radio synchronization is designed for temporary road signaling and continuous 24/7 operation. The integrated photovoltaic panel significantly extends the life of the non-rechargeable 4R25 batteries, reducing replacement frequency and making the system ideal for long-term use in demanding operating conditions.

CE   RoHS 2002/95/EC

technical datasheet

| | Certifications: In compliance with UNI EN 12352 | | luminous intensity: Class L8H | | Type of battery: nr. 2 4R25 batteries of: 7 Ah / 25 Ah / 45 Ah | | Dimensions (H / L / W): 36,5 x 20 x 9,5 cm |
|---|---|---|---|---|---|---|---|
| | Light source: 120 led amber | | Power supply: 12 V$_{dc}$ | | Duration: sequential flashing mode standard 49h / 176 h / 308 h | | Weight: 0,7 Kg |
| | Light emission: sequential yellow (amber) | | Luminous intensity regulation: variable intensity depending on ambient light | | On/off switch: external | | Temperature: -20 °C - +85 °C |

| accessories | Code: 200300016 | Code: 200300022 | Code: 203000041 |
|---|---|---|---|
| Code: 200300048 | Code: 204200005 | Code: 201800033 | |

| Code | Description |
|---|---|
| 200300016 | 6 V 7 Ah battery |
| 200300022 | 6 V 25 Ah battery |
| 200300048 | 6 V 45 Ah battery |
| 204200005 | White/Red Engineer Grade 25x100 cm signal panel |
| 201800033 | 28 kg safety base |
| 203000041 | 5W solar panel |

| Code | Description |
|---|---|
| 202000132 | Radio Sincroled Iot 24+ |

# Flashing Light
# "Sequential System with Cables"

**Master Light**

**Slave Light**

## 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 is possible to set up 3 different speeds for the luminous sequence, the activation of twilight 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.

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

**Master Light**     **Slave Light**

**technical datasheet**

RoHS 2002/95/EC

| accessories | | | |
|---|---|---|---|
| Code: 200500120 | Code: 200500119 | Code: 909037186 | |
| Code: 204200005 | Code: 201800033 | Code: 200200012 | |
| Code: 201200036 | Code: 200300011 | Code: 200300001 | |

| Code | Description |
|---|---|
| 200500120 | Adapter cable for slave light |
| 200500119 | 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.

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

**technical datasheet**

CE   RoHS 2002/95/EC

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

# 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.

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

**accessories**
Code: 200300010
Code: 200300011
Code: 200300001

| 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.

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

**accessories**
Code: 200300010
Code: 200300011
Code: 200300001
Code: 203400010

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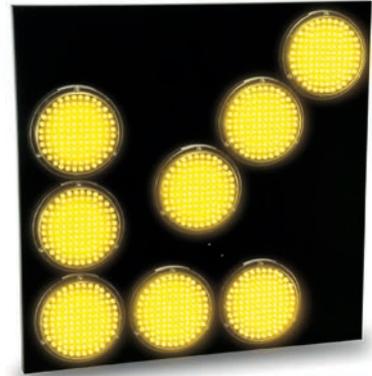
| | | | | | |
|---|---|---|---|---|---|
| **Certifications:** in compliance with UNI EN 12352 | | **Power supply:** 12 / 24 V$_{dc}$ | | **On/off switch:** absent | |
| **Light source:** nr. 8 leds optics of ø 200 mm | | **Type of battery:** 40 Ah / 100 Ah / 180 Ah | | **Dimensions (H / L / W):** 90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

accessories

Code: 200300010

Code: 200300011    Code: 200300001

technical datasheet

CE  RoHS 2002/95/EC
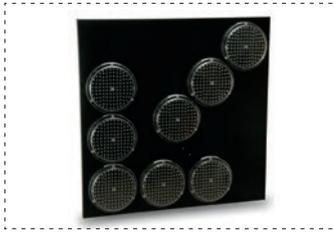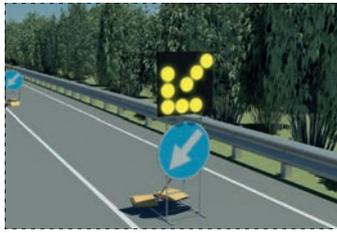
| Code | Description |
|---|---|
| 203400015 | 90x90 cm directional led panel ø 200 mm |

63

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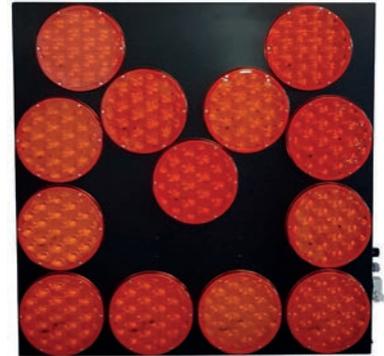# "105x105 cm - 13 Led optics"

(Ø 200 mm)

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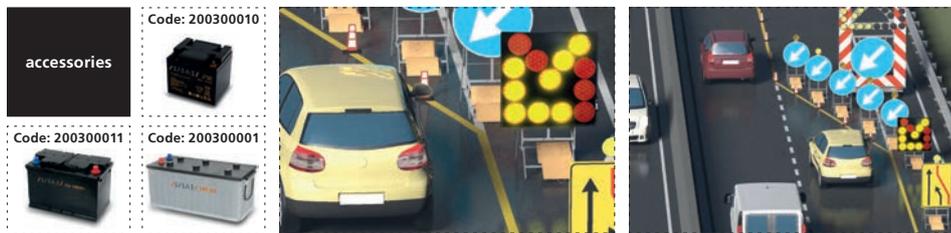Used in steady or mobile working zones, they can be applied on stands, poles or fixed on vans, trailers and operative machines. Thanks to the presence of 13 lenses is possible to realize: right arrow, left arrow, X for danger.

## 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.

| | | | | | |
|---|---|---|---|---|---|
| **Certifications:** in compliance with UNI EN 12352 | | **Power supply:** 12 / 24 V$_{dc}$ | | **On/off switch:** outside | |
| **Light source:** nr. 13 leds optics of ø 200 mm | | **Type of battery:** 40 Ah / 100 Ah / 180 Ah | | **Dimensions (H / L / W):** 105 x 105 x 13 cm | |
| **Light emission:** yellow (amber) | | **Duration:** 29 h / 70 h / 130 h | | **Weight:** 18 Kg | |
| **Luminous intensity:** Class L8H | | **Twilight:** no | | **Temperature:** -15 °C - +85 °C | |

accessories

Code: 200300010

Code: 200300011    Code: 200300001

Code: 203400010

CE  RoHS 2002/95/EC

technical datasheet

| 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.

**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.

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

**accessories**

Code: 200300010

Code: 200300011

Code: 200300001

CE    RoHS 2002/95/EC

technical datasheet

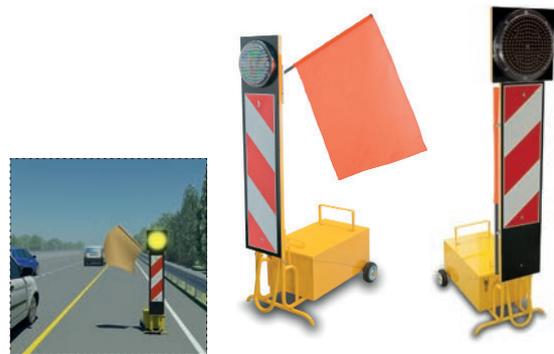| Code | Description |
|---|---|
| 203400054 | 90x90 alluminium panel - 13 lights DS200 |
| 203400010 | Remote control |

# 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.

**Strenghts:**
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 visibilty.

technical datasheet

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

RoHS 2002/95/EC    CE

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

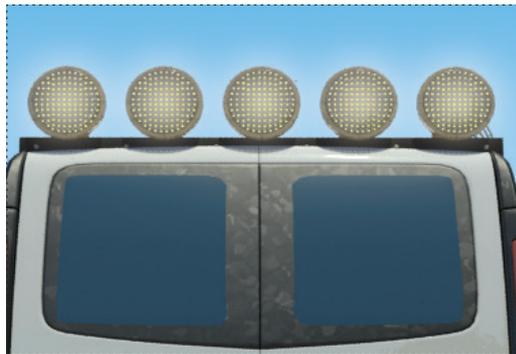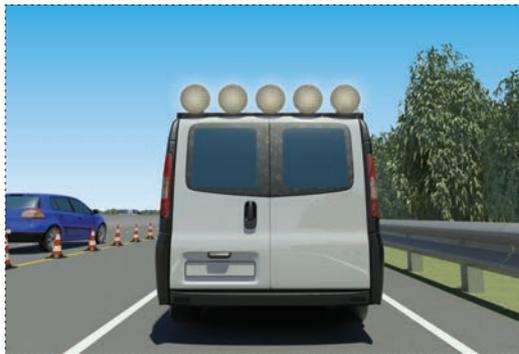# Barrier with 5 Led optics

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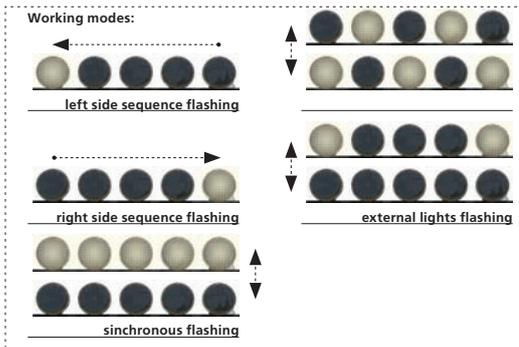
**Strengths:**
Handled by the driver with a remote control. Possibility to choose different configurations of the high brightness LED lights, depending on the operator needs. Easy to install or to remove on any kind of vehicle.

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

**Remote control**
**Code: 201900213**

**Working modes:**

left side sequence flashing

right side sequence flashing

sinchronous flashing

external lights flashing

technical datasheet

| 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.



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

CE — RoHS 2002/95/EC — technical datasheet

**code 909032077**     **code 909032080**
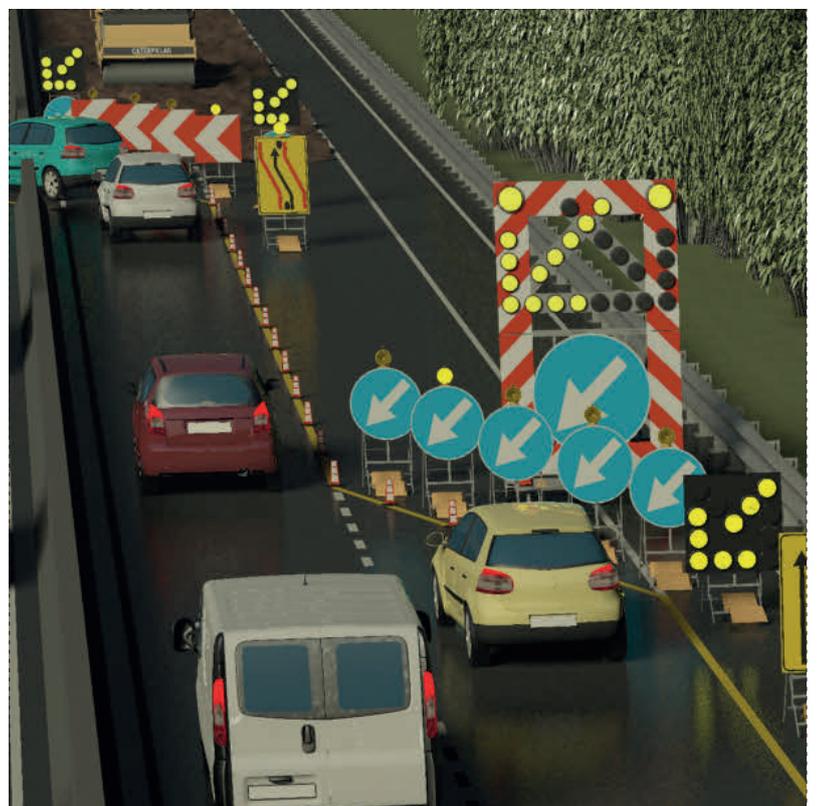
     



| Code | Description |
|---|---|
| 909032167 | Warning trailer (fig. 401) with High Intensity Grade tape |
| 909032080 | Caravan hook for warning trailer |
| 909032077 | Ball hook for waring trailer |

# 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

High Intensity Grade

## 2 Bands

(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.

| | Dimensions:<br>H: 30 cm<br>Base: 23 x 23 cm | | Construction materials:<br>high elasticity vulcanized rubber product |
|---|---|---|---|
| | Weight:<br>0,9 Kg | | External surface treatments:<br>anti-aging red painting /<br>H.I. tape |

| Code | Description | Pallet |
|---|---|---|
| 101630223 | 30 cm rubber cone - 2 bands High Intensity Grade | 240 pcs |
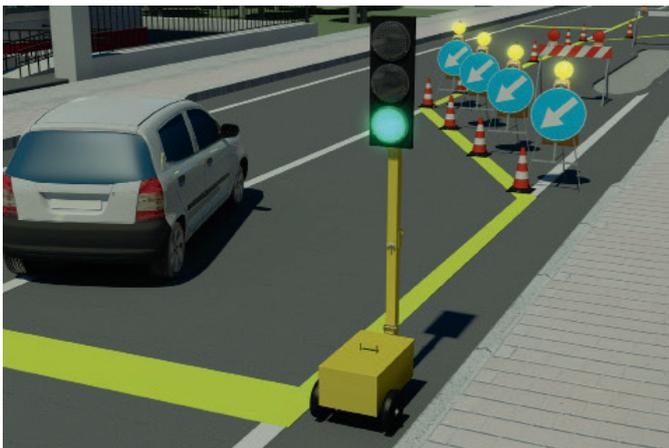
# h 30 cm PVC Cone

**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.
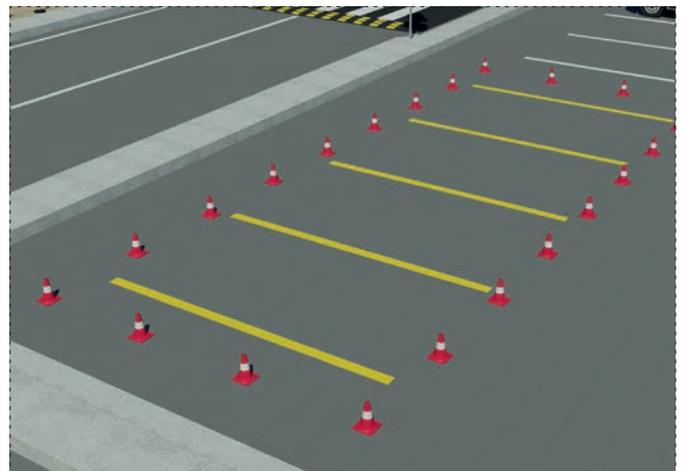
| | Dimensions:<br>H: 30 cm<br>Base: 21 x 21 cm | | Construction materials:<br>plastic product |
|---|---|---|---|
| | Weight:<br>0,3 Kg | | External surface treatments:<br>application of 1 band |

| 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.

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



| | |
|---|---|
| **Dimensions:** H: 50 cm Base: 28 x 28 cm | **Construction materials:** high elasticity vulcanized rubber product |
| **Weight:** 1,90 Kg | **External surface treatments:** anti-aging red painting / application of 3 bands E.G. |

| Code | Description | Pallet |
|---|---|---|
| 101050313 | 50 cm rubber cone - 3 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.



| | |
|---|---|
| **Dimensions:** H: 50 cm Base: 28 x 28 cm | **Construction materials:** high elasticity vulcanized rubber product |
| **Weight:** 1,90 Kg | **External surface treatments:** 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.



| | |
|---|---|
| **Dimensions:** H: 50 cm Base: 28 x 28 cm | **Construction materials:** high elasticity vulcanized rubber product |
| **Weight:** 1,90 Kg | **External surface treatments:** anti-aging red painting / application of fully refective tape H.I. |

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

# h 50 cm PVC 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.



| | |
|---|---|
| **Dimensions:** H: 50,5 cm Base: 27,5 x 27,5 cm | **Construction materials:** HDPE product |
| **Weight:** 1,10 Kg | **External surface treatments:** application of 2 bands |

| Code | Description | Pack | Pallet |
|---|---|---|---|
| 909011025 | 50 cm PVC cone - white/red | 10 pcs | 24 packs |

technical datasheet

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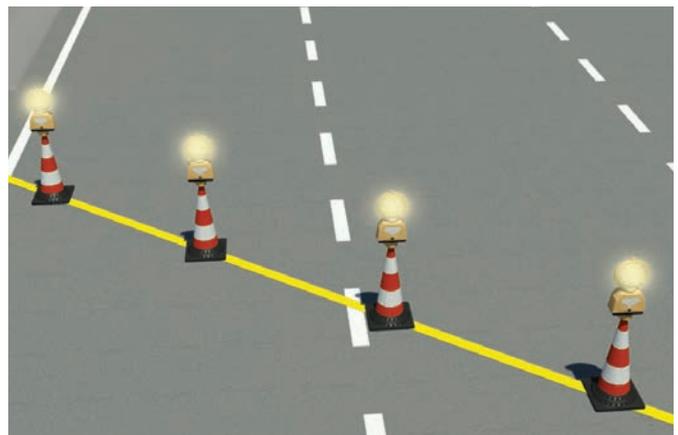
**Strengths:**
High elasticity, resistant to the crushings, anti-aging painting, the application of the bands increase the visibility.

technical datasheet

| | Dimensions:<br>H: 75 cm<br>Base: 40 x 40 cm | | Construction materials:<br>high elasticity vulcanized rubber product |
|---|---|---|---|
| Kg | Weight:<br>7,8 Kg | | External surface treatments:<br>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 |

# 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.

technical datasheet

| | Dimensions:<br>H: 75 cm<br>Base: 40 x 40 cm | | Construction materials:<br>high elasticity vulcanized rubber product |
|---|---|---|---|
| Kg | Weight:<br>7,5 Kg | | External surface treatments:<br>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 |

# 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.

technical datasheet

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

| Code | Description | Pack | Pallet |
|---|---|---|---|
| 104730021 | Flexible EVA defleco with 6 inserts High Intensity Grade | 25 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.

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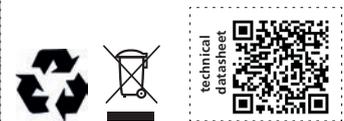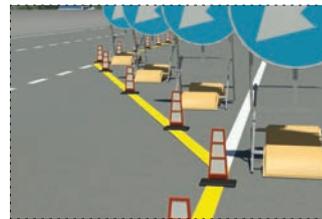
| | Dimensions: | | Construction materials: |
|---|---|---|---|
| | Body (H/L/W) 33,5x 11,5 x 4,5 cm Base (H/L/W) 2,5 x 21 x 15 cm | | high elasticity vulcanized rubber product |
| | **Weight:** total 1,5 kg | | **External surface treatments:** anti-aging red painting of the delineator with 6 inserts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

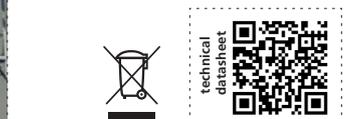| Code | Description | Pack | Pallet |
|---|---|---|---|
| 104630621 | Flexible rubber defleco with base 6 insert High Intensity Grade | 50 pcs | 12 packs |

# 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.

SISAS

technical datasheet

| | Dimensions: | | Construction materials: |
|---|---|---|---|
| | 23 x 19 cm | | tin can |
| | **Weight:** 4,75 kg | | |

| Code | Description |
|---|---|
| 19900005 | Glue for road delineators |

# Road Barrier
110x200 cm
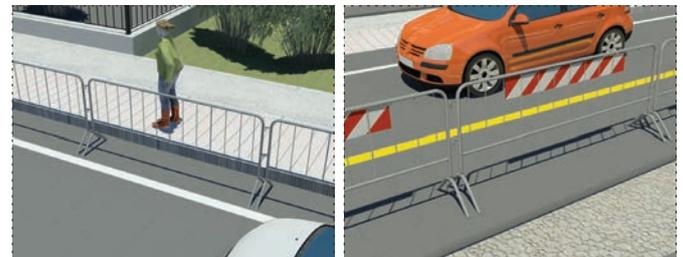
# Road Barrier
110x250 cm





**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.
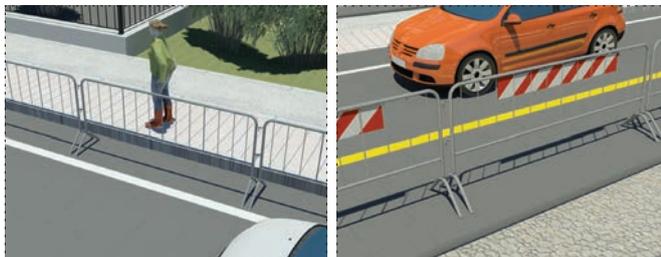The withe/red panel guarantees a major night visibility.

**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 withe/red panel guarantees a major night visibility.

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

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

**accessories** — Code: 909040017 | Code: 909040025 | Code: 909040030 — technical datasheet

**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 |
|---|---|
| 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 |

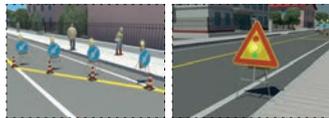| Code | Description | Pallet |
|---|---|---|
| 909040037 | Barrier 110x250 cm with normal legs | 30 pcs |
| 909040041 | Barrier 110x250 cm with white/red Engineer Grade panel and normal legs | 30 pcs |

# "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

📦 **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

📦 **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

📦 **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 105x35cm

▢ 90x90 cm
+ adding panel

📦 **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 |

# "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.

90x135 cm
+ adding panel 90x30 cm

| | |
|---|---|
| **Dimensions (H / L / W):** 206,5 x 74,5 x 3,5 cm | **Construction materials:** iron |
| **Weight:** 10,9 kg | **External surface treatments:** 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.

| | |
|---|---|
| **Dimensions (H / L / W):** 58,6 x 39 cm | **Construction materials:** pvc |
| **Weight:** 0,3 kg | **External surface treatments:** 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.

| | |
|---|---|
| **Dimensions (H / L):** 60 x 40 cm | **Construction materials:** pvc |
| **Weight:** 0,3 kg | **External surface treatments:** 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.

| | |
|---|---|
| **Dimensions (H / L / W):** 8 x 58 x 39 cm | **Construction materials:** pvc |
| **Weight:** 13 kg | **External surface treatments:** absent |

| Code | Description | Pallet |
|---|---|---|
| 909033005 | Orange bag with sand | 50 pcs |

technical datasheet

# Plastic Signs

  

| | | | | | |
|---|---|---|---|---|---|
| **Ecological** | | **Light** | | **Crush-proof** | |
| **Strong** | | **Long-lasting** | | | |



**technical datasheet**

### 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.

| **Dimensions:** Ø 60 cm thickness 4 mm | | 60 cm ○ | Kg | **Weight:** 1,2 kg |
|---|---|---|---|---|
| **Dimensions:** side 90 cm thickness 4 mm | | 90 cm △ | Kg | **Weight:** 1,4 kg |
| **Dimensions:** 60 x 60 cm thickness 4 mm | | 60x60 cm ▢ | Kg | **Weight:** 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) |

75

# 15 kg PVC Base



**Description:**
It is used to fix the panels to the ground.

**Strengths:**
It guarantees excelent 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: no |

| Code | Description | Pallet |
|---|---|---|
| 201800082 | 15 kg recycled PVC base | 50 pcs |

# 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 |
|---|---|
| 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.





| | 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 |

# Stacking New Jersey

# Pvc Pole

## 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.

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

| Box includes | 6 PVC Bases |
|---|---|
| | 6 PVC Poles |

## Strengths:
Light, easy to install and to remove, resistant to the weathering.

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

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

| accessories | 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 |

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



HERMES
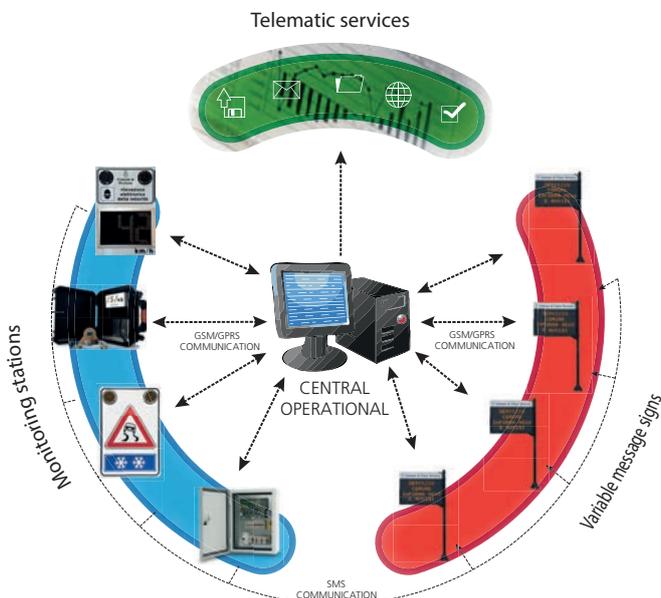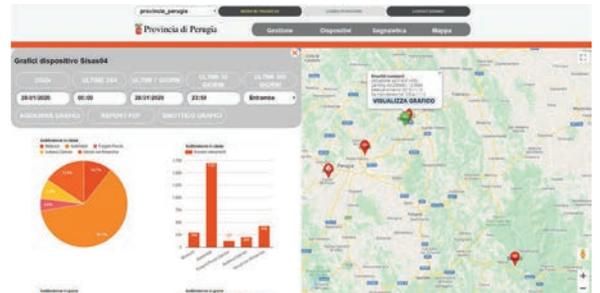DASHBOARD

hermes

Password

*******

Login
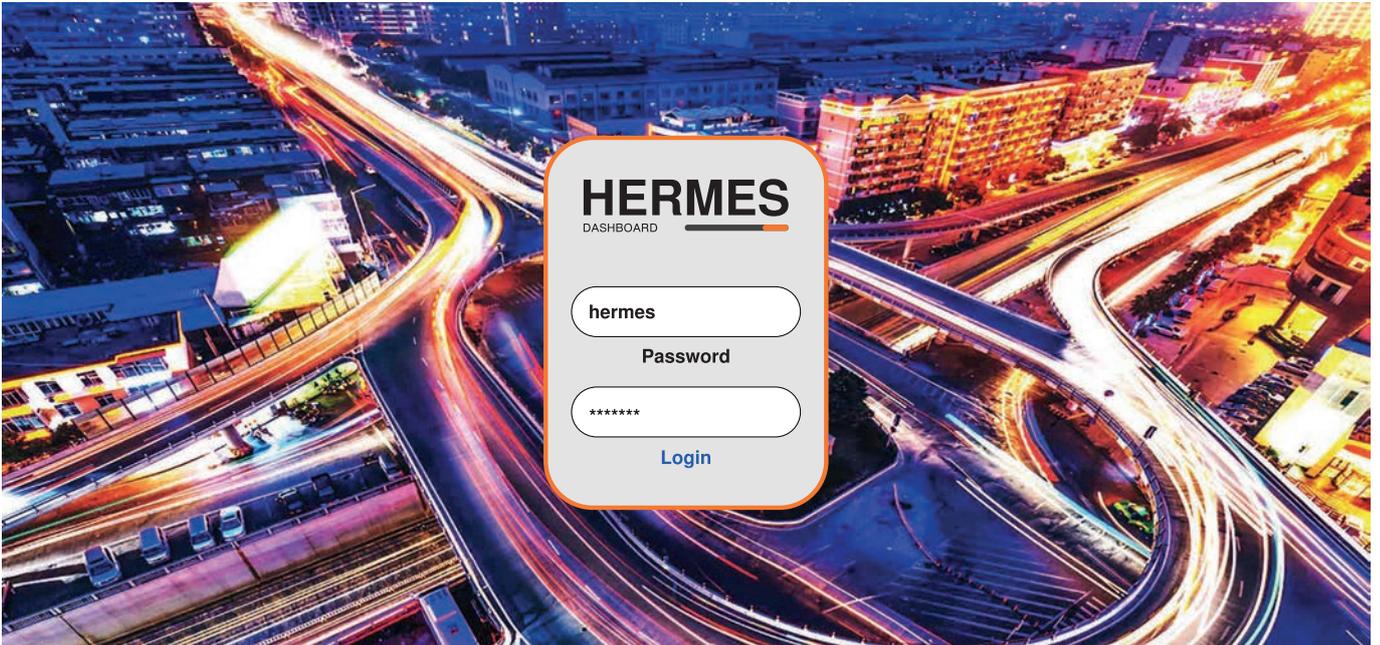
**Description:**
HERMES Dashboard is a customized platform where Sisas' customers can control and use all their connected devices, check and process the collected data and generate statistics which can highlight potential traffic flow issues. Using the IOT (Internet of Things), SISAS has developed HERMES 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.



Telematic services

Monitoring stations

GSM/GPRS COMMUNICATION

CENTRAL OPERATIONAL

GSM/GPRS COMMUNICATION

SMS COMMUNICATION

Variable message signs
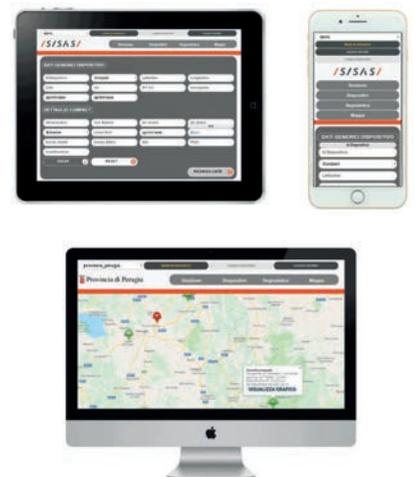
# IOT EcoSystem



## 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 devoloped 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.
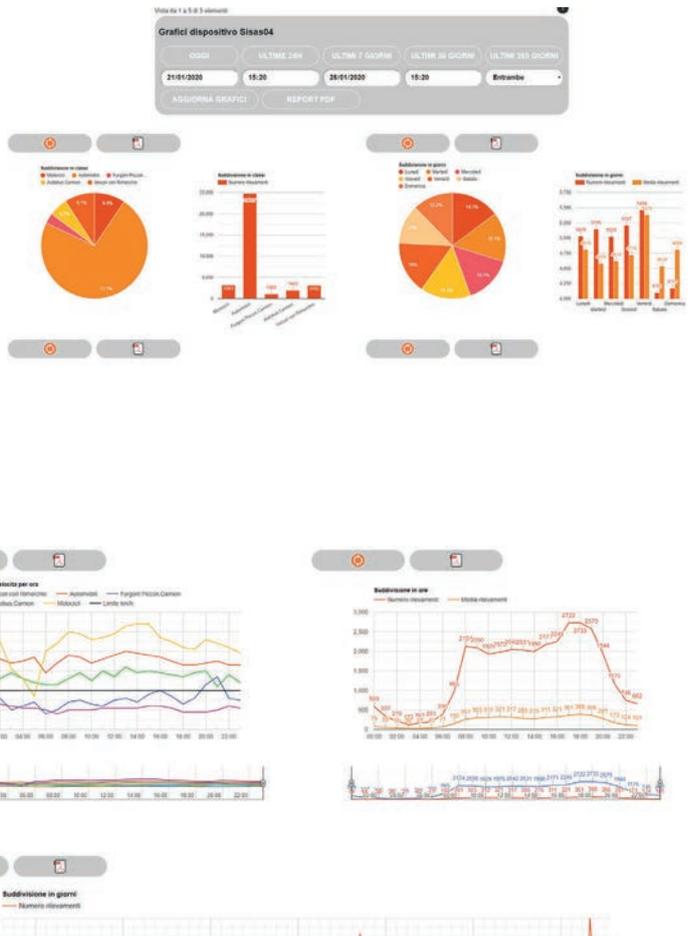


| Code | Description |
|------|-------------|
| 299900018 | Hermes activation |
| 299900033 | Hermes annual contract for single device |

# "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**.

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

technical datasheet

RoHS 2002/95/EC
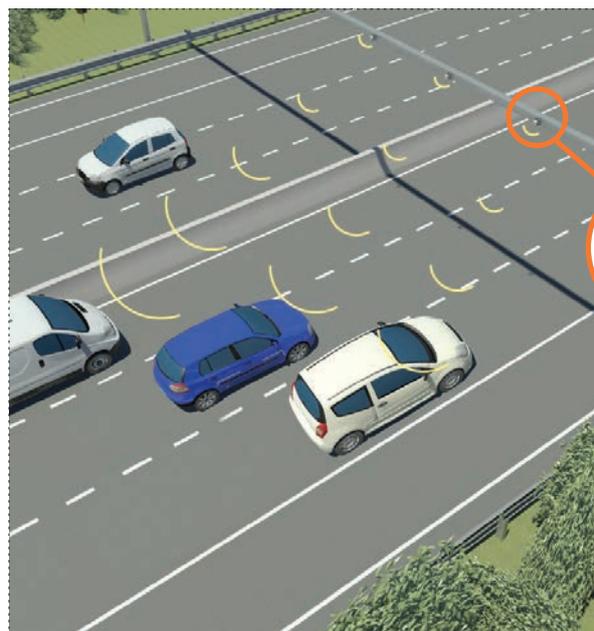
| Code | Description |
|---|---|
| 204000013 | Galileo Radar Junior with cable |

# Monitoring "Compact 1000 Xtreme"

**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.

*Optional communication modules for real-time data transmission, device configuration, and diagnostics: Wi-Fi, GSM/GPRS, Ethernet.*

**Strengths:**

Hermes optional communication modules provide real-time data transfer, remote configuration. Double memory to record data by sd card and 512 MB Flash card. Compatible with the most widely used standard communication protocols, including NTCIP. Compatible with custom artificial intelligence algorithms (AI). Using the ETHERNET modem with the HERMES platform, the device can be configured and monitored in the same way both via a wired Ethernet connection and remotely through HERMES, just as with the GSM/GPRS modem.

technical datasheet

| | Power supply: 12 V$_{dc}$ | | Type of power: 12V$_{dc}$ 18Ah battery | | Dimensions (H / L / W): 33,5 x 30 x 16 cm |
|---|---|---|---|---|---|
| | Communication interface: RS232, Wifi, Ethernet | | Sensor: doppler radar K-Band horizontal opening 12 ° vertical opening 25 ° power 20 dBm | | Weight: 2,9 kg |
| | Consumption: max: 0,065 A | | | | Temperature: -20 °C - +85 °C |
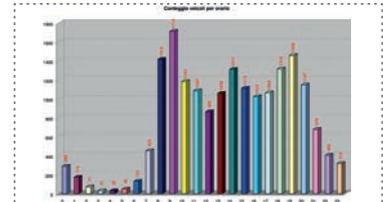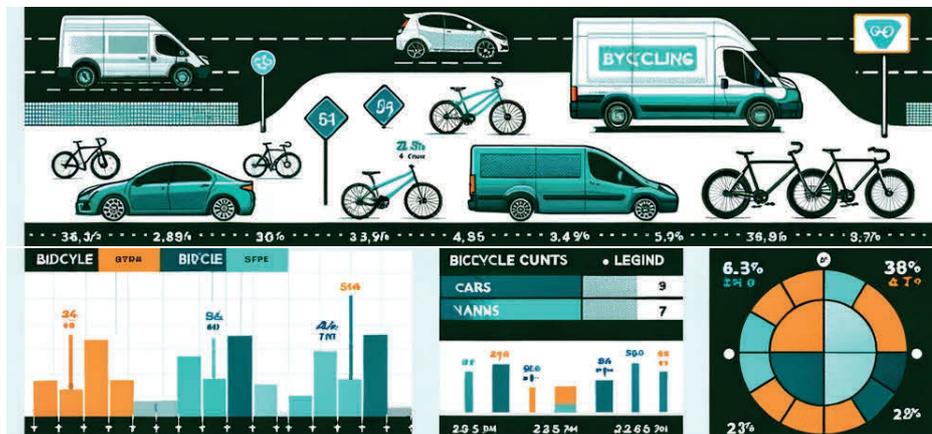
## Optional Accessoires:

| Code | Description |
|---|---|
| 204500285 | Lan Ethernet |
| 200200019 | Public network power supply kit (18Ah) |
| 200200018 | Public network power supply kit (40Ah) |
| 204500283 204500279 | GSM Module *Antenna GSM Module* |
| 202900012 | SD Card |
| 205500172 | Wifi Module |
| 205500111 | Installation kit for compact 1000 jr |

| Code | Description |
|---|---|
| 205500285 | Compact 1000 EXTREME |
| 205500287 | Lan Ethernet Compact 1000 Extreme |
| 205500288 | GSM Compact 1000 Extreme |

accessories

Code: 200200019

Code: 204500283

Code: 200200018

Code: 204500279

Code: 202900012

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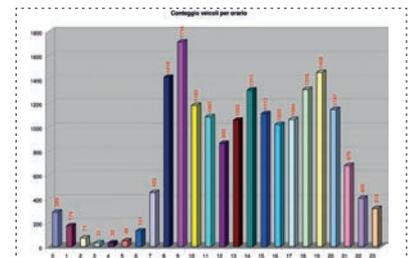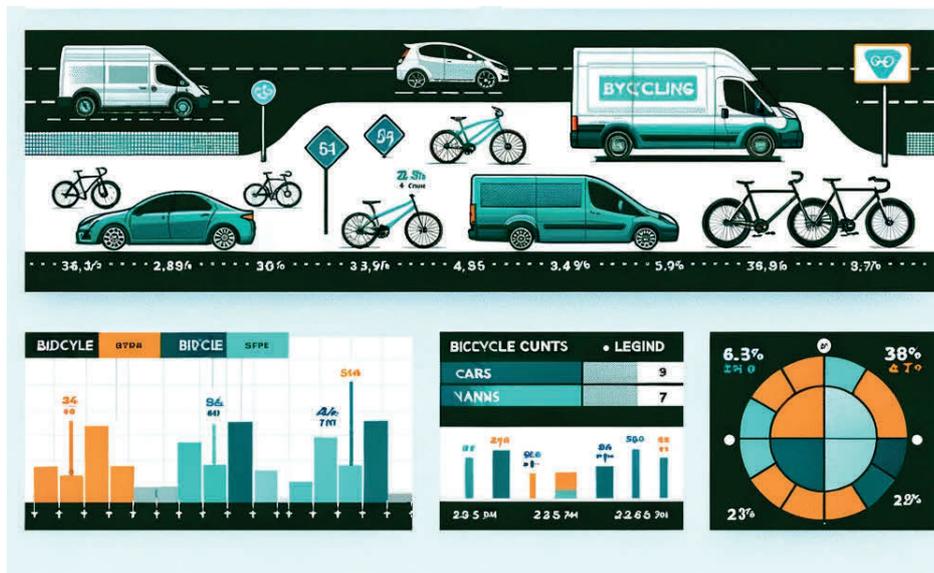
**Strengths:**
Non-invasive system, with small dimensions, it can be positioned on any kind of support, easy to install without making troubles to the vehicles. Low consumptions with relieve time until 9 days. Simple elaborating data file.

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

CE RoHS 2002/95/EC

WiFi Bluetooth

## 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 |

**accessories**

Code: 203000035  Code: 204500276
Code: 205500114
Code: 200200019  Code: 202900012
Code: 200200018

| Code | Description |
|---|---|
| 205500085 | Compact 1000 JR |

# Monitoring "Compact 1000 jr BIKE"
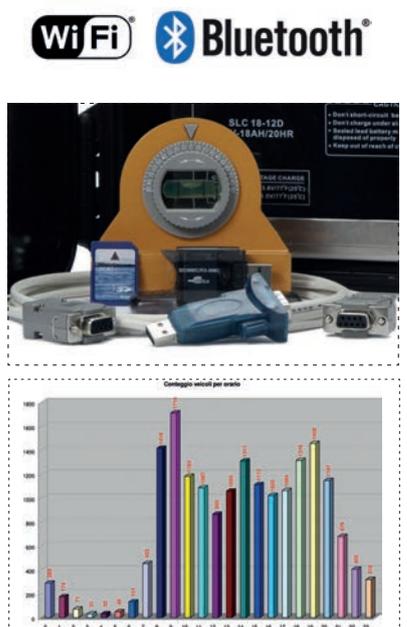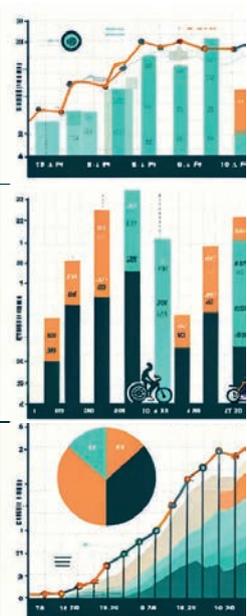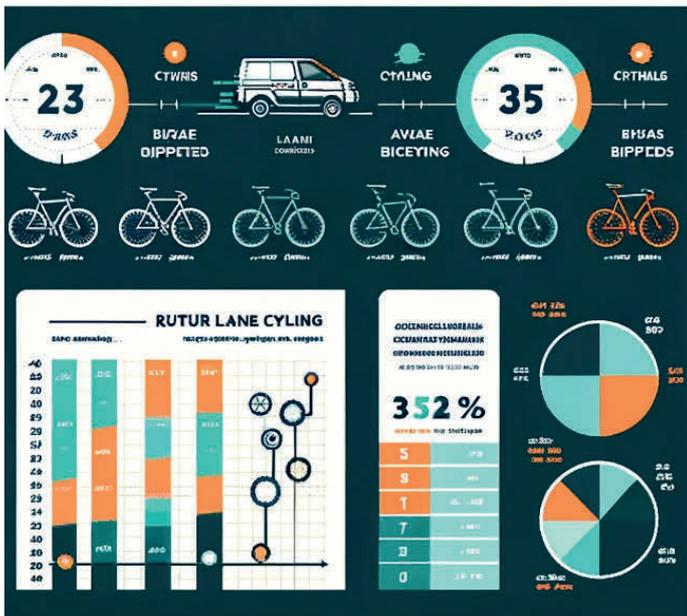
**Description:**

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.



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

CE  RoHS 2002/95/EC

technical datasheet

WiFi  Bluetooth®

## Optional Accessoires:

**accessories**

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

Code: 203000035    Code: 204500276
Code: 205500114
Code: 200200019    Code: 202900012
Code: 200200018

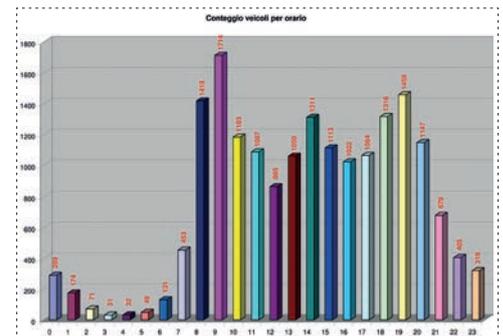| Code | Description |
|---|---|
| 205500255 | Compact 1000 jr BIKE |

# 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**

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

**HERMES**

WiFi   GSM   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 |

# 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**

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

CE  RoHS 2002/95/EC

| spare parts | Code: 203000004 | Code: 200200019 | Code: 201900201 | | |
| --- | --- | --- | --- | --- | --- |
| | | Code: 200200018 | | | |
| | 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





**technical datasheet**



**Description:**
Device based on radar techno-logy 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, hi-ghway tollbooths. It performs the counting of the vehicles, gene-rating statistical files such as: date, time, speed and counting.
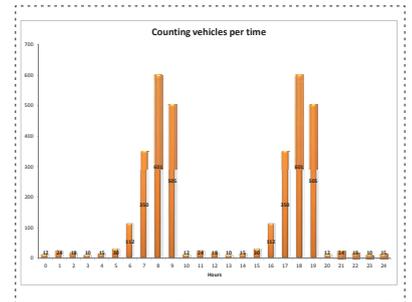
**Strengths:**
Data storage on external memo-ry, programmable LED display, handling luminous signals (LED lamps). Box with reflective tape for better visibility.
**Custom-made system**.
**External radar.**

CE  RoHS 2002/95/EC

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



WiFi  Bluetooth®  GSM



Counting vehicles per time

| 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 |
| 209006304 | DTS slim Emoticon with 90x135 sign with 2 Ø 100 mm led lights |

# DTS System
# "DTS 600"
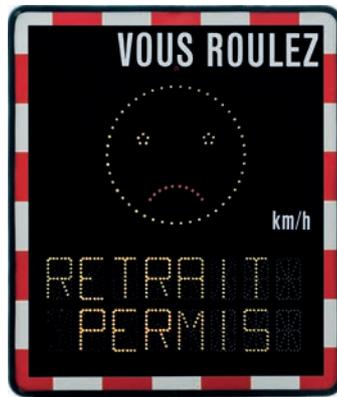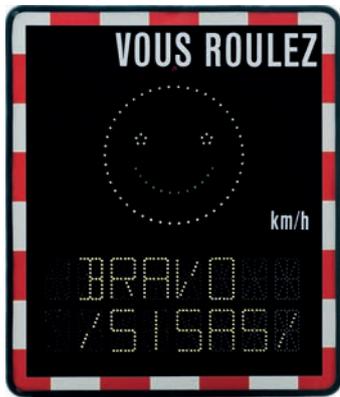
## Description:

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.
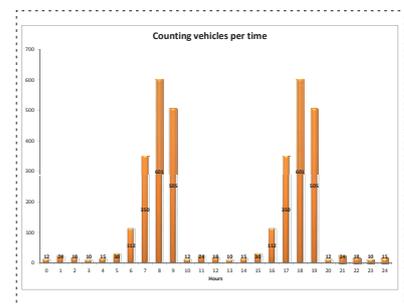
## Strengths:

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

RoHS 2002/95/EC

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

WiFi  Bluetooth®

Counting vehicles per time

| 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

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

WiFi  Bluetooth  GSM
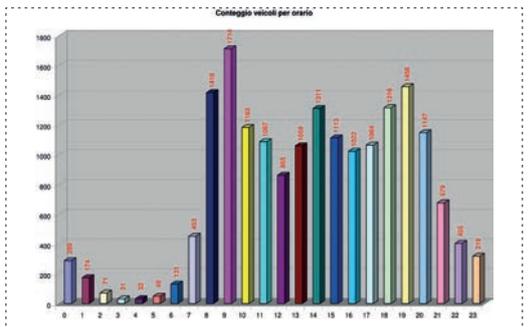
| Code | Description |
|------|-------------|
| 203000023 | 110W photovoltaic kit with Ø 90 bracket |
| 200200019 | Public network power supply kit (18Ah) |
| 203200004 | 10A charger controller |
| 204500217 | ADD SIM 900 GSM module |
| 200300015 | 12 Vdc. 18 Ah battery |

**accessoires**

Code: 200200019  Code: 203000023  Code: 204500217

Code: 203200004  Code: 200300015

| Code | Description |
|------|-------------|
| 209319200 | DTS 600 Small |

# 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.

**Strenghts:**
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 |

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

| Code | Description |
|---|---|
| 205500003 | DTS Slim on mobile trailer |

# 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.

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

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

# DTS Media Panel

**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.

| | | | | | |
|---|---|---|---|---|---|
| **Lights:** Ø 100mm / Ø 200mm (optional) | | **Power supply:** 12 Vdc | | **Sensor:** doppler radar 24Ghz | |
| **Display:** 10 characters/lines character dimension: 75 mm x 105 mm | | **Communication interface:** USB, RS232, RS485, GSM | | **Dimensions (H / L / W):** 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 | |
| **Light source:** led per character: 74 color: amber 2Ø½: 15 viewing angle | | **Consumption:** 1 line: medium 0,58A 2 lines: medium 1,08 A 3 lines: medium 1,82 A | | **Weight:** 1 line: 6,5 kg 2 lines: 12 kg 3 lines: 18,5 kg | |
| **Brightness control:** dinamics or steady | | **Type of power:** network / photovoltaic panel / public network | | **Temperature:** -15 °C - +85 °C | |

**technical datasheet**

RoHS 2002/95/EC

## accessories

Code: 203000005
Code: 200200019
Code: 200200017
Code: 200200018
Code: 204500217
Code: 205500114
Code: 202900012

| 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 |

| Code | Description |
|---|---|
| 205500105 | DTS Media Panel 10 characters |
| 205500128 | DTS Media Panel 20 characters |
| 205500129 | DTS Media Panel 30 characters |

# FULL CoLor
# Graphic Display

### Description:

Full-Color Info City Variable Message Panels are advanced graphic devices designed to display high-quality full-color images and symbols. These panels offer sharp and clear reproduction of images and text, making them ideal for applications where clear and effective visual communication is required.

CE-certified, they can be used in all fields where permitted by the regulations in force in the relevant country. They are particularly suitable for Info City contexts, where they are used to provide real-time information, advertising announcements, or institutional messages in public spaces.
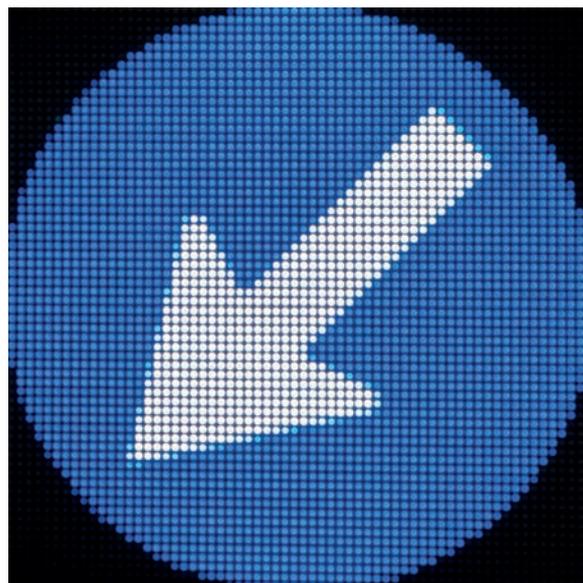
Thanks to their ability to display bright and well-defined images, they easily attract attention and can be customized with text and graphics according to specific needs. The modular design of these panels allows for custom configurations to adapt to various types of installations, with the possibility of adjusting the orientation to optimize visibility based on the installation requirements.

### Strengths:

Full-color variable message signs ensure excellent visibility even in challenging lighting conditions, such as at night or in the presence of strong glare. They allow dynamic, real-time message updates to communicate traffic information, incidents, roadworks, weather conditions, and more.

They can be easily integrated with traffic management systems and monitoring platforms to optimize vehicle flow and route planning. Remote updating via web or app enables centralized and efficient management.

Designed for durability, they withstand bad weather conditions thanks to high-quality materials and protection against dust and moisture. Customizable graphics, icons, and multilingual messages make them suitable for urban environments and international areas, contributing to improved road safety by informing drivers in real time.

technical datasheet

CE  RoHS 2002/95/EC

HERMES
hermes
Password
Login

**Wi Fi**

**GSM**

**Bluetooth**

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| | Display:<br>Fullcolor P10<br>4096 Pixel<br>Resolution 64X64<br>700 NIT<br>Resolution 136x68x9<br>8192 Pixel | | Brightness control:<br>dynamic | | Consumption:<br>maxi 700W/mq<br>med. 450W/mq | | Dimensions:<br>68 cm x 68 cm x 9 cm<br>136 cm x 69 cm x 9 cm<br>Sign on request |
|---|---|---|---|---|---|---|---|
| | | | Power supply:<br>12 V$_{dc}$ | | Type of power:<br>network / battery /<br>public network | | Box :<br>Aluminium black color |
| | Lenses:<br>With sign on request | | Communication interfaces:<br>RS232; USB; RS485; GSM | | Sensor:<br>No | | Temperature:<br>-15 °C - +85 °C |

| Code | Description |
|---|---|
| 205500292 | description RGB 64x64 Pix Panel |
| 205500293 | description RGB 128x64 Pix Panel |

# 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.

| | | | | | |
|---|---|---|---|---|---|
| **Lenses:** double Ø 100 mm tri-flash double Ø 200 mm tri-flash | | **Consumption:** Ø100 mm medium 0,06 A maximum 0,42 A minimum 0,01 A | **Sensor:** doppler radar K-Band horizontal opening 80 ° vertical opening 32 ° power 13 dBm | | **Dimensions (H / L / W):** central unit 10,8 x 11 x 10,2 cm |
| **Brightness control:** 33% night 100% daytime | | Ø200 mm medium 0,28 A maximum 1,8 A minimum 0,01 A | | | **Weight:** 0,25 kg |
| **Power supply:** 12 V$_{dc}$ | | | **Type of power:** network / photovoltaic panel / public network | | **Temperature:** -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 |
| 205600044 | Alert Box with led lights Ø100 and 20W photovoltaic kit |
| 205600045 | Alert Box with led lights Ø200 and 20W photovoltaic kit |

# Pedestrian Save



**Direction**

2 ~ 2,5 m

Pedestrian Crossing

Detecting area

2 ~ 2,5 m

sensor

**Direction**

radar sensor

3,50 m ~
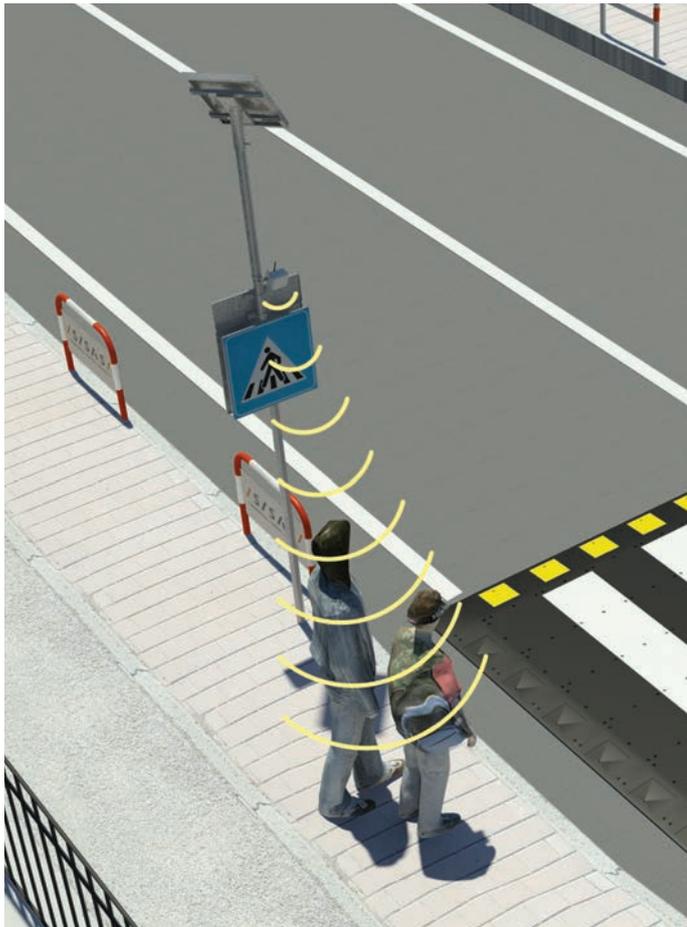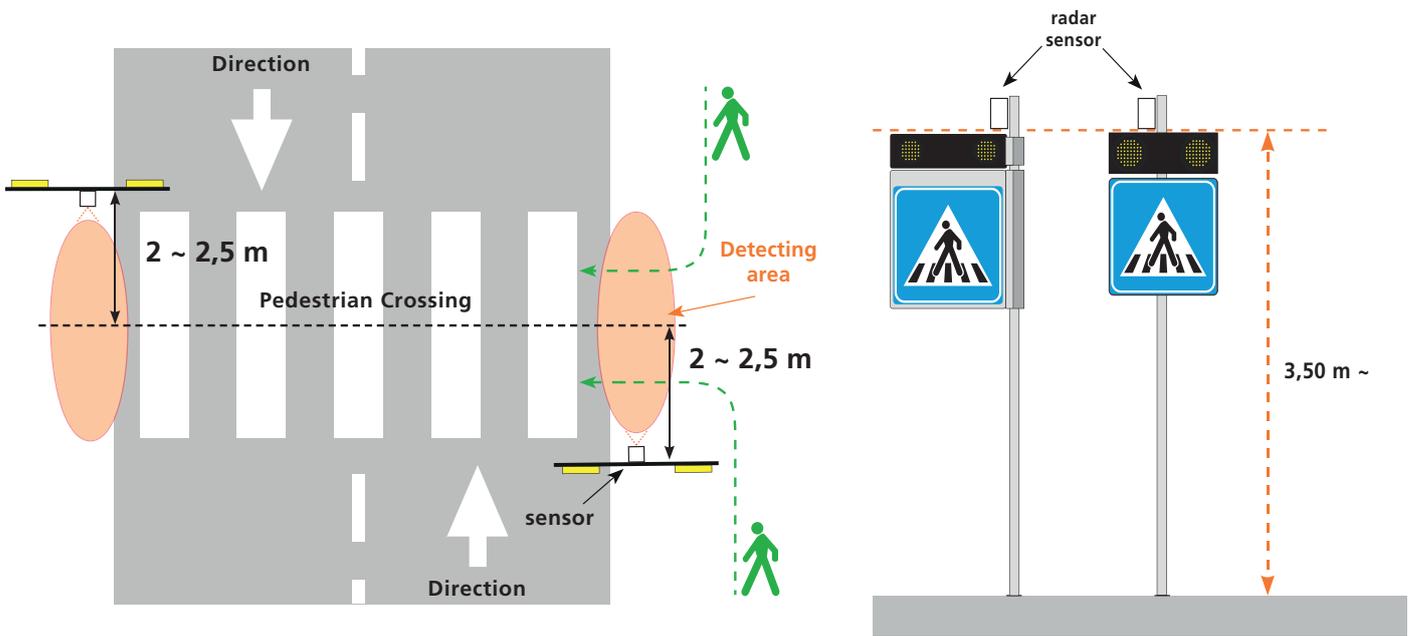


Sisas is able to offer you a wide range of pedestrian save systems according to your needs and specification.
We can customize the item and make it exactly as required by the Norms of your country.
The system can be available with black or white tape plates with led lights in 100 or 200 mm, or you can 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.

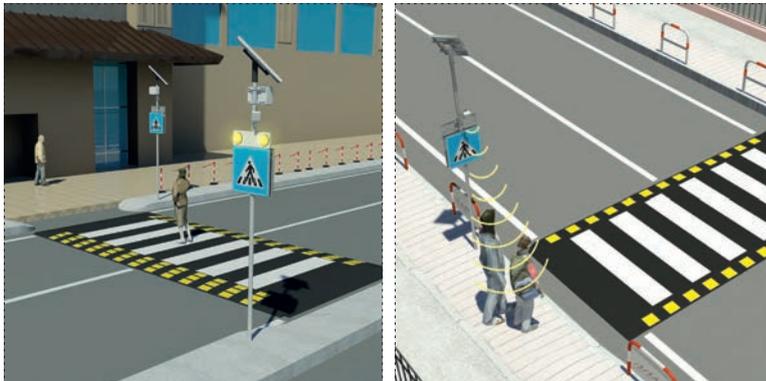Available with or without sign and with white or black tape application.

**with radar sensor**

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

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

**without radar sensor**

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

**accessoires**

| Code | Description |
|---|---|
| 203000029 | 20 W photovoltaic panel Fast-On |
| 203000030 | 50 W photovoltaic panel Fast-On |
| 203200016 | 60 mm uiversal 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) |
| 205600044 | Alert Box with led lights Ø 100 and 20W photovoltaic kit |
| 205600045 | Alert Box with led lights Ø 200 and 20W photovoltaic kit |

**technical datasheet**

RoHS 2002/95/EC

# 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.

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

technical datasheet

CE 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 |

# 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.

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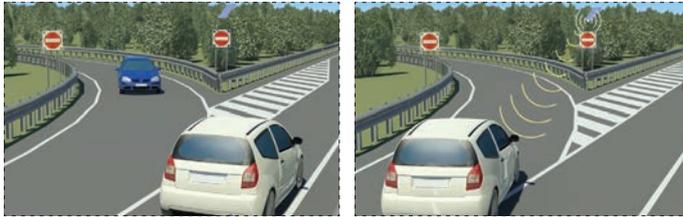
technical datasheet

| Code | Description |
|---|---|
| 205600010 | One Way |

# 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.

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

technical datasheet

RoHS 2002/95/EC

| Code | Description |
|---|---|
| 205500019 | Ice 500 |

# Air Guard

**Description:**

Air Guard is an advanced stand-alone IoT sensor for real-time air quality monitoring. It is the ideal solution for deploying scalable, cost-effective, low-power, and easy-to-install networks for fine particulate matter detection, suitable for any urban or industrial environment.

The sensor features forced ventilation to ensure accurate measurements, and readings are expressed in µg/m³. It also integrates an air temperature and humidity sensor.

**Strengths:**

The sensor can monitor fine particulate matter (PM10) in real time, detecting particles from 10 µm down to 0.3 µm. Measurements are divided into three categories: PM10, PM2.5, and PM1, with the following ranges:

PM10: 10 µm – 0.3 µm PM2.5: 2.5 µm – 0.3 µm PM1: 1 µm – 0.3 µm

It can be connected remotely via GSM LTE modem to the Sisas Hermes plat form or other compatible platforms. If not actively queried, the sensor transmits hourly samples based on a 5-minute average. Air sampling occurs every 5 seconds and can be requested remotely via command.

The sensor can be easily installed on any type of support. Its enclosure includes two displays: a bar display and a numeric display. The bar display visually represents air quality, worsening as more light bars are illuminated, and is

divided into sectors.

Air Guard is an advanced stand-alone IoT sensor for real-time air quality monitoring. It is designed for deploying scalable, cost-effective, low-power, and easy-to-install networks for detecting fine particulate matter in both urban and industrial environments.

technical datasheet

CE  RoHS 2002/95/EC

| | Lenses: (OPTIONAL with plate) Double flashing lights 100 mm Double flashing lights 200 mm | | Brightness control: dynamic | | Consumption: Digital board average consumption 75mA | | Dimensions: 38 cm x 27 cm x 10 cm Sign on request |
|---|---|---|---|---|---|---|---|
| | Display: Numbers: 6 numbers green color BAR: 25 columns 4 rows GYR | | Power supply: 12 $V_{dc}$ | | Type of power: network / photovoltaic panel / public network | | Box : Aluminium Black colo Front screen in Polycarbonate front opening |
| | | | Communication interfaces: RS232; USB; RS485; GSM | | Sensor: Temperature sensor Humidity sensor Particulate matter PM10 PM 2.5 PM 1 | | Temperature: -15 °C - +85 °C |

QUALITA' DELL'ARIA

HERMES
hermes
Password
Login

WiFi  GSM  Bluetooth
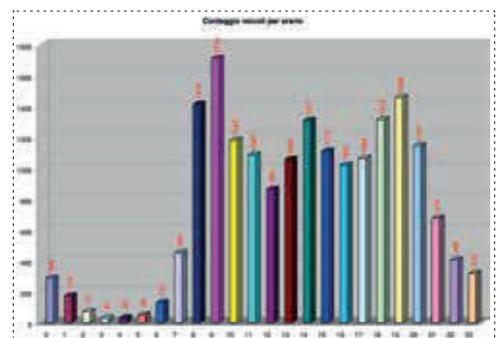
| Code | Description |
|---|---|
| 203000023 | 150 W Photovoltaic kit with ø 90 mm bracket |
| 203000024 | 50 W Photovoltaic kit with ø 90 mm bracket |
| 201900206 | Double flashing light Ø 100 mm synchronous tri-flash |
| 201900201 | Double flashing light Ø200 mm synchronous tri-flash |

accessories

| Code: 203000023 | Code: 203000004 | Code: 201900201 | Code: 201900206 |
|---|---|---|---|

| Code | Description |
|---|---|
| 205500289 | Air Guard without sign |

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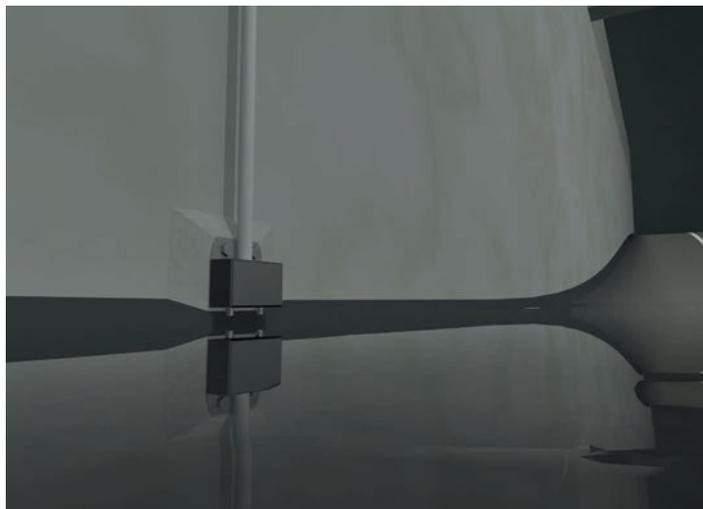
The control unit can also send warning messages to the Security Services with an sms.

**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.

| | | | |
|---|---|---|---|
| **Light source:** Led lights with flash or triflash mode | | **Type of power:** network; photovoltaic panel; public network | |
| **Communication interfaces:** Radio Module 868 Mhz | | **Power supply:** 12 V$_{dc}$ | |

technical datasheet

| Code: 200200019 | Code: 200200017 | Code: 203000023 | Code: 204500217 |
|---|---|---|---|
| accessoires | | | |

| 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 |

# 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.

| spare parts | Code: 201200030 | Code: 203200002 |
| --- | --- | --- |
| Code: 200300015 | Code: 203200011 | Code: 203200016 |

**technical datasheet**

| | **Panel dimensions (H/L/W):** 65 x 35 x 1,6 cm | | **Weight:** Kit total weight Ø 60 mm: 11,9 kg Kit total weight Ø 90 mm: 13 kg |
| --- | --- | --- | --- |

| Code | Description |
| --- | --- |
| 203000035 | 20W photovoltaic kit with Ø 60 mm bracket |
| 203000026 | 20W 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.

| spare parts | Code: 201200075 | Code: 203200002 |
| --- | --- | --- |
| Code: 200300015 | Code: 203200011 | Code: 203200016 |

**technical datasheet**

| | **Panel dimensions (H/L/W):** 76 x 54 x 3 cm | | **Weight:** Kit total weight Ø 60 mm: 20,8 kg Kit total weight Ø 90 mm: 22 kg |
| --- | --- | --- | --- |

| Code | Description |
| --- | --- |
| 203000004 | 50W photovoltaic kit with Ø 60 mm bracket |
| 203000024 | 50W 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.

| spare parts | Code: 201200055 | Code: 203200004 |
| --- | --- | --- |
| Code: 200300033 | Code: 203200011 | Code: 203200016 |

**technical datasheet**

| | **Panel dimensions (H/L/W):** 119 x 66 x 3,5 cm | | **Weight:** Kit total weight Ø 60 mm: 49,5 kg Kit total weight Ø 90 mm: 50,6 kg |
| --- | --- | --- | --- |

| Code | Description |
| --- | --- |
| 203000005 | 150W photovoltaic kit with Ø 60 mm bracket |
| 203000023 | 150W 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.

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

| accessories | Anti theft circuit |
| --- | --- |

**RoHS** 2002/95/EC

**technical datasheet**

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

| Code | Description |
| --- | --- |
| 203200015 | Solargen Battery charger |

# Photovoltaic Kit

# 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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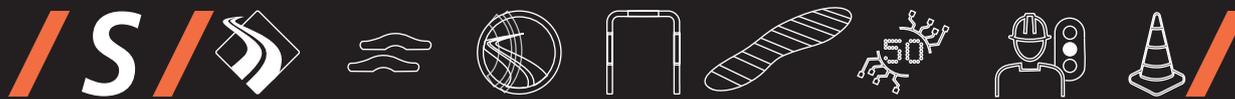**T.** +39.075.518.641
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