



GIOTTO

3G *ITALIA*

Devices for road safety



Sino-Italian venture Company **Giotto Group - 3G ITALIA** gained long experience in the market of road signs and road safety devices decided join their efforts to better answer to the challenges of the globalized market.

The partnership has led to an intense productive and commercial cooperation, with a constant transfer of Italian know-how and technology that matches with the Chinese extraordinary ability to create large-scale productions retaining at the same time the same level of quality. This permitted to develop a range of products competitive on price and in line with the most advanced European standards. **Giotto Group**, with Italian and Hong Kong ownership and management, has its headquarters in Hong Kong. **Giotto Group** staff has always been distinguished for a profound knowledge of Chinese production world and the ability to be present in international markets. **Giotto Group** has its production plants in Shenzhen, the Chinese region with the highest level of technological development, the factory was also certified ISO 9001. One of the main points in **Giotto Group** production policy is the close quality control applied to the products, especially with regard to the compliance of the ROHS, EN 12352, 12966 regulations.

Giotto Group partner **3G ITALIA** is a leader in the European market of road signs and road safety devices. **3G ITALIA** team has thirty years experience in the field, and is characterized by a profound knowledge of the Italian and European markets, the company has its headquarters and production plant in Perugia, Italy, and it's certified ISO 9001. The synergy created allowed to both companies to be in the forefront in their markets especially for what concerns the lines of electronics and rubber products. **Giotto Group - 3G ITALIA** partnership represents a successful experiment in globalization and cooperation aimed at improving quality and customer satisfaction.

MANUFACTURING: ELECTRONIC - RUBBER - PLASTIC



Painting and Silk Screen



Packaging Production line



Quality Assurance



There are 4 main products in the range of LED lamps:

- MULTILED 100 lamp with 100mm diameter, approved cl. L2H (CE certification EU Reg. 305/2011)
- M200 lamp with 200mm diameter, approved cl. L8H (CE certification EU Reg. 305/2011)
- MULTILED 300 lamp with 300mm diameter, approved cl. L9M (CE certification EU Reg. 305/2011)
- M300 lamp with 300mm diameter, approved cl. L9H (CE certification EU Reg. 305/2011)

The 4 models have been specifically designed and built to meet the requirements of European standard EN12352 and the standards required in Italy. All models are approved by the Italian Ministry of Transport and Infrastructure. The lamps ensure high performance in terms of brightness, resistance to water penetration and impact. All models come with turrets for fastening on flat supports using self-threaded screws, or the lamps can be fitted to Ø 48 or 60 poles using specific brackets. They are available with fixed light or flashing beacon, with integrated electronic control unit to automatically adjust the brightness as the environmental light changes and to automatically detect the power supply voltage (12/24Vd.c.).

MULTILED 100 - APPROVED CLASS L2H

M200 - APPROVED CLASS L8H

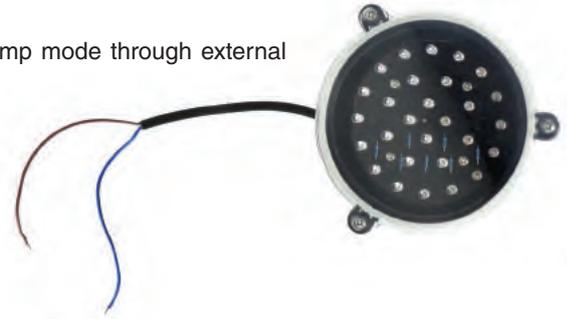
MULTILED 300 - APPROVED CLASS L9M

M300 - APPROVED CLASS L9H


MULTILED 100 STEADY LIGHT LAMP (L2H CLASS CE MARKED 305/2011)

L2H approved steady lamp with 0.5 metre power cable with circular connector. The lamp must have a 12 Vd.c. power supply. (absorption 0.25 Ampere) in flashing lamp mode through external control unit.

| CODE | DESCRIPTION |
|-----------|--------------------------------|
| 434434100 | MULTILED 100 steady light lamp |



| CODE | DESCRIPTION |
|-----------|----------------------------|
| 434434102 | MULTILED 100 flashing lamp |

MULTILED 100 FLASHING LAMP

L2H approved flashing lamp with 3 metre power cable and circular connector. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

To power the lamp, you can use:

- 5 Watt photovoltaic kit
- 15 Watt voltage transformer
- 15 Watt voltage transformer with buffer battery
- battery pack 4R25
- automotive battery using power cable with alligator clips (to be ordered separately)

DUAL MULTILED 100 FLASHING LAMP SYSTEM

Pair of L2H approved MULTILED 100 flashing lamp with 3 metre power cable with circular connector and 0.8 metre connection cable assembly. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

To power the system, you can use:

- 5 Watt photovoltaic kit
- 15 Watt voltage transformer
- 15 Watt voltage transformer with buffer battery
- 4R25 battery pack
- automotive battery using power cable with alligator clips (to be ordered separately)

Also available already installed on signal

| CODE | DESCRIPTION |
|-----------|--|
| 434434012 | Dual multiled 100 flashing lamp system |



On request, we can customise solutions and make special applications.

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 435435021 | 5 Watt photovoltaic power kit |
| | 435435000 | Transformer 230 Va.c.-12Vd.c. - 15Watt |
| | 435435025 | Transformer 230 Va.c.-12Vd.c. - 15Watt with 7Ah buffer battery |
| | 435435006 | 12V battery pack with 2 x 4R25 batteries (batteries excluded) |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 430229076 | 100 / 200 / 300 lamp fixing kit for Ø 48 or 60 poles |
| | 430122005 | 50 Ah battery |
| | 400122100 | 100 Ah battery |
| | 438438014 | Power cable with alligator clips |

M200 STEADY LIGHT LAMP (L8H CLASS CE MARKED 305/2011)

L8H approved steady light lamp with 3 metre power cable, without connector.

The lamp must have a 12 Vd.c. power supply. (absorption 0.75 Ampere) in flashing lamp mode through external control unit.

| CODE | DESCRIPTION |
|-----------|----------------------------|
| 434434208 | M200 steady LED light lamp |



M200 FLASHING LAMP

L8H approved flashing lamp with 3 metre power cable and circular connector.

It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

To power the lamp, you can use:

- 5 Watt photovoltaic kit
- 15 Watt voltage transformer
- 15 Watt voltage transformer with buffer battery
- 4R25 battery pack
- automotive battery using power cable with alligator clips (to be ordered separately)

| CODE | DESCRIPTION |
|-----------|------------------------|
| 434434217 | M200 LED flashing lamp |

DUAL M200 FLASHING LAMP SYSTEM

Pair of L8H approved M200 flashing lamp with 3 metre power cable with circular connector and 3 metre connection cable assembly. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

To power the system, you can use:

- 10 Watt photovoltaic kit
- 30 Watt voltage transformer
- 30 Watt voltage transformer with buffer battery
- 4R25 battery pack
- automotive battery using power cable with alligator clips (to be ordered separately)

Also available already installed on signal.

| CODE | DESCRIPTION |
|-----------|------------------------------------|
| 434434218 | Dual M200 LED flashing lamp system |



On request, we can customise solutions and make special applications.

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|--|-----------|---|
|  | 435435021 | 5 Watt photovoltaic power kit |
|  | 435435009 | 10 Watt photovoltaic power kit |
|  | 435435000 | Transformer 230 Va.c.-12Vd.c. - 15Watt |
|  | 435435025 | Transformer 230 Va.c.-12Vd.c. - 15Watt with 7Ah buffer battery |
|  | 435435003 | Transformer 230 Va.c.-12Vd.c. - 30Watt |
|  | 435435026 | Transformer 230 Va.c.-12Vd.c. - 30Watt with 18Ah buffer battery |
| | 435435006 | 12V battery pack with 2 x 4R25 batteries (batteries excluded) |

| PHOTO | CODE | DESCRIPTION |
|---|-----------|--|
|  | 430229076 | 100 / 200 / 300 lamp fixing kit for Ø 48 or 60 poles |
|  | 430122005 | 50 Ah battery |
|  | 400122100 | 100 Ah battery |
|  | 438438014 | Power cable with alligator clips |

MULTILED 200 STEADY LIGHT LAMP (L8H CLASS CE MARKED 305/2011)

L8H approved steady light lamp with 3 metre power cable, without connector.

The lamp must have a 12 Vd.c. power supply. (absorption 0.75 Ampere) in flashing lamp mode through external control unit.

| CODE | DESCRIPTION |
|-----------|------------------------------------|
| 434434208 | Multiled 200 steady LED light lamp |



MULTILED 200 FLASHING LAMP

L8H approved flashing lamp with 3 metre power cable and circular connector.

It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

To power the lamp, you can use:

- 5 Watt photovoltaic kit
- 15 Watt voltage transformer
- 15 Watt voltage transformer with buffer battery
- 4R25 battery pack
- automotive battery using power cable with alligator clips (to be ordered separately)

| CODE | DESCRIPTION |
|-----------|--------------------------------|
| 434434217 | Multiled 200 LED flashing lamp |

DUAL MULTILED 200 FLASHING LAMP SYSTEM

Pair of L8H approved M200 flashing lamp with 3 metre power cable with circular connector and 3 metre connection cable assembly. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

To power the system, you can use:

- 10 Watt photovoltaic kit
- 30 Watt voltage transformer
- 30 Watt voltage transformer with buffer battery
- 4R25 battery pack
- automotive battery using power cable with alligator clips (to be ordered separately)

Also available already installed on signal.

| CODE | DESCRIPTION |
|-----------|--|
| 434434218 | Dual Multiled 200 LED flashing lamp system |



On request, we can customise solutions and make special applications.

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 435435021 | 5 Watt photovoltaic power kit |
| | 435435009 | 10 Watt photovoltaic power kit |
| | 435435000 | Transformer 230 Va.c.-12Vd.c. - 15Watt |
| | 435435025 | Transformer 230 Va.c.-12Vd.c. - 15Watt with 7Ah buffer battery |
| | 435435003 | Transformer 230 Va.c.-12Vd.c. - 30Watt |
| | 435435026 | Transformer 230 Va.c.-12Vd.c. - 30Watt with 18Ah buffer battery |
| | 435435006 | 12V battery pack with 2 x 4R25 batteries (batteries excluded) |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 430229076 | 100 / 200 / 300 lamp fixing kit for Ø 48 or 60 poles |
| | 430122005 | 50 Ah battery |
| | 400122100 | 100 Ah battery |
| | 438438014 | Power cable with alligator clips |



M300 STEADY LIGHT LAMP (L9H CLASS CE MARKED 305/2011)

L9H approved steady light lamp with 3 metre power cable, without connector. The lamp must have a 12 Vd.c. power supply. (absorption 3 Ampere) in flashing lamp mode through external control unit.

| CODE | DESCRIPTION |
|-----------|------------------------|
| 434234301 | M300 steady light lamp |

M300 FLASHING LAMP

L9H approved M300 flashing lamp with 3 metre power cable and circular connector. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

Power supply: 20 Watt photovoltaic kit, 4R25 battery pack, 60W voltage transformer, automotive battery.

| CODE | DESCRIPTION |
|-----------|--------------------|
| 434434302 | M300 flashing lamp |



DUAL M300 FLASHING LAMP SYSTEM

Pair of L9H approved M300 flashing lamp with 3 metre power cable with circular connector and connection cable. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

Also available already installed on plate.

Power supply: 50 Watt photovoltaic kit, 4R25 battery pack, 60W voltage transformer, automotive battery.

| CODE | DESCRIPTION |
|-----------|--------------------------------|
| 434434305 | Dual M300 flashing lamp system |

On request, we can customise solutions and make special applications.

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|--|-----------|---|
|  | 435435002 | 20 Watt photovoltaic power kit |
|  | 435435007 | 50 Watt photovoltaic power kit |
|  | 435435004 | Transformer 230 Va.c.-12Vd.c. - 60Watt |
|  | 435435027 | Transformer 230 Va.c.-12Vd.c. - 60Watt with 26Ah buffer battery |
| | 435435006 | 12V battery pack with 2 x 4R25 batteries (batteries excluded) |

| PHOTO | CODE | DESCRIPTION |
|---|-----------|--|
|  | 430229076 | 100 / 200 / 300 lamp fixing kit for Ø 48 or 60 poles |
|  | 430122005 | 50 Ah battery |
|  | 400122100 | 100 Ah battery |
|  | 438438014 | Power cable with alligator clips |


MULTILED 300 STEADY LIGHT LAMP (L9M CLASS CE MARKED 305/2011)

L9M approved steady light lamp with 3 metre power cable, without connector.
The lamp must have a 12 Vd.c. power supply. (absorption 3 Ampere) in flashing lamp mode through external control unit.

| CODE | DESCRIPTION |
|-----------|--------------------------------|
| 434234301 | MULTILED 300 steady light lamp |

MULTILED 300 FLASHING LAMP

L9M approved MULTILED 300 flashing lamp with 3 metre power cable and circular connector. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

Power supply: 20 Watt photovoltaic kit, 4R25 battery pack, 60W voltage transformer, automotive battery.

| CODE | DESCRIPTION |
|-----------|----------------------------|
| 434434302 | MULTILED 300 flashing lamp |


DUAL MULTILED 300 FLASHING LAMP SYSTEM

Pair of L9M approved MULTILED 300 flashing lamp with 3 metre power cable with circular connector and connection cable. It can have a 12/24 Vd.c. power supply; it automatically adjusts the brightness based on the environmental light.

Also available already installed on plate.

Power supply: 50 Watt photovoltaic kit, 4R25 battery pack, 60W voltage transformer, automotive battery.

| CODE | DESCRIPTION |
|-----------|--|
| 434434305 | Dual MULTILED 300 flashing lamp system |

On request, we can customise solutions and make special applications.

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 435435002 | 20 Watt photovoltaic power kit |
| | 435435007 | 50 Watt photovoltaic power kit |
| | 435435004 | Transformer 230 Va.c. - 12Vd.c. - 60Watt |
| | 435435027 | Transformer 230 Va.c. - 12Vd.c. - 60Watt with 26Ah buffer battery |
| | 435435006 | 12V battery pack with 2 x 4R25 batteries (batteries excluded) |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 430229076 | 100 / 200 / 300 lamp fixing kit for Ø 48 or 60 poles |
| | 430122005 | 50 Ah battery |
| | 400122100 | 100 Ah battery |
| | 438438014 | Power cable with alligator clips |

LED M200 LAMP FOR SEQUENTIAL SYSTEM WITH CABLE CONNECTION

L8H approved lamp specifically for sequential systems to delimit deviations or dangerous bends.

Each lamp is equipped with a 12 metre connection cable and is set up for application on sign panels. For the light sequence, simply connect more lamps to each other.

The sequence can be powered by a 12 Volt battery using an adapter cable (to be ordered separately) to be connected to the first lamp in the sequence.

The sequential system automatically adjusts the brightness based on changes in the environmental light in order to eliminate glare and optimise consumption: a 4 lamp sequence powered with 100 Ah battery has an autonomy of more than 30 days. The sequence can be powered by a photovoltaic system or an adequately sized voltage transformer. For systems with fewer than 10 lamps, we recommend a 50 watt photovoltaic power supply kit or a 30 Watt voltage transformer. The lamps can also be fixed on a 48mm or 60mm diameter pole by using specific brackets (to be ordered separately). The connection distance between lamps can be increased by using extension cables (to be ordered separately). A plastic container, to protect the lamps during transport, can house the battery while on site. For systems longer than 200 metres, please contact our sales department.



| CODE | DESCRIPTION |
|-----------|--------------------------------------|
| 433433008 | Sequential M200 lamp with 12 m cable |
| 438438014 | Power cable with alligator clips |

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|--|-----------|-----------------------------------|
|  | 438438013 | 13 metre extension cable |
|  | 404150030 | Base weighing Kg. 15 |
|  | 404280030 | Base weighing Kg. 27 |
|  | 400122100 | 100 Ah battery |
|  | 400122200 | 180 Ah battery |
|  | 435435007 | 50W Photovoltaic power supply kit |

| PHOTO | CODE | DESCRIPTION |
|---|-----------|--|
|  | 380000020 | Battery and lamp box |
|  | 404251043 | Double sided with prismatic cl.2 reflective film |
|  | 404251041 | Double sided with cl.1 reflective film |
|  | 430229076 | 100 / 200 / 300 lamp fixing kit for Ø 48 or 60 poles |
|  | 435435003 | Transformer 230 Va.c. - 12 Vd.c. 30W |

M200 LED LAMP FOR SEQUENTIAL SYSTEM WITH RADIO CONNECTION

L8H approved lamp specifically for sequential systems to delimit deviations or dangerous bends, without the use of connection cables. Each lamp is powered by two 6V - 4R25 batteries and is equipped with a radio synchronisation system. To realise the sequence, simply turn on the lamps in the desired order.

The sequential system automatically adjusts the brightness based on changes in the environmental light in order to eliminate glare and optimise consumption: a lamp powered with 7Ah battery has an autonomy of about 7 days.

It is also possible to select "night only" or "24 hour" operation by acting exclusively on the first lamp switch.

A warning light on the rear signals a low battery charge.

The lamp automatically resumes its position in the sequence after the batteries have been replaced.

The lamp can be affixed to sign panels, 48/60mm diameter poles or stands via specific brackets (to be ordered separately). A plastic container is available to protect the lamps during transport.


ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|--|--|
| | 404251043 404251041 | Sign Panel 250 x 1000 mm Double sided with prismatic cl.2 reflective film Double sided with cl.1 reflective film |
| | 404150030 404280030 | Base weighing Kg. 15 Base weighing Kg. 27 |
| | 402642500 402649500 402250360 402500360 | 4R25 - 6 Volt Battery "Tigre" model 4R25 - 7 Ah Battery "Leopardo" model 4R25 - 25 Ah Battery "Pantera" model 4R25 - 45 Ah Battery "Leonessa" model |

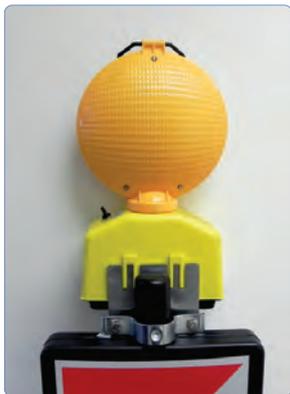
| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 430229069 | Euroblinker series lamp fastening brackets and pole radio kit |
| | 307000032 | Euroblinker series lamp fastening brackets and stand radio |
| | 308000020 | Battery and lamp box |

FLASHING LAMP QUEEN RADIO - RADIO SEQUENTIAL SET

EN 12352 L7 + L8G, designed for radio sequential for road detour, dangerous turns and road work areas on urban and outer rings city roads (freeways) . The lamps synch with each other via a Radio signal transceiver CE Approved. Easy to operate, just switch On the lamps in the desired order and they will automatically synch, an internal photodiode will adjust the brightness during different hours of the day. 24h operation mode available by switch (on the lamp). Metal brackets system for poles mounting, Panel, gantry, available.



- Radio synch
- Light source (high brightness)
- EN12352 Classification L7 + L8G certified, Yellow Flashing
- Lens (Fresnel) diam. 210 mm.
- External Switch 3 positions ON/OFF/NIGHT
- Power supply 2 x 4R25-6V placed in the battery box in any position (advisable by the manufacturer H4R25 "PANTERA")
- Carriage handle
- Battery case with slots for Euroblinker brackets to fit ø 48 o 60 mm Post, Panel, frame
- Open Close with screw universal tool friendly (screwdriver, Allen key)
- Internal nut (screw nut for open close screw system)



On Panel



On Post



On Gantry



NO



Panel Fixing Kit



Gantry's fix brackets



Lamp's insertion on brackets



Change of batteries

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|--|--|
| | 404251043 404251041 | Sign Panel 250 x 1000 mm Double sided with prismatic cl.2 reflective film Double sided with cl.1 reflective film |
| | 404150030 404280030 | Base weighing Kg. 15 Base weighing Kg. 27 |
| | 402642500 402649500 402250360 402500360 | 4R25 - 6 Volt Battery "Tigre" model 4R25 - 7 Ah Battery "Leopardo" model 4R25 - 25 Ah Battery "Pantera" model 4R25 - 45 Ah Battery "Leonessa" model |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 430229069 | Euroblinker series lamp fastening brackets and pole radio kit |
| | 307000032 | Euroblinker series lamp fastening brackets and stand radio |
| | 434434531 | Single Face lamp QUEEN sequential Radio |

MULTILED 200 LAMP FOR SEQUENTIAL SYSTEM WITH CABLE CONNECTION


This can be used to generate a luminous sequence to indicate clearly detours or work-in-progress along the lane.

The system is designed to facilitate easy installation :

- 1- position the lamps along the lane
- 2- connect the lamp with the cable
- 3- connect the first lamp to the battery

You can create your sequence with any numbers of lamps. The standard cable connection is 12 meters long and the power connection cable is 5 meters long. Power supply is 12 Vd.c.

Each lamp of the system sequence can assume any position in the sequence.

The lamps reduce brightness automatically during the night. This item is made to endure tough and adverse conditions. Rain/water resistance is enhanced by double rubber rings and external screws sets.

Toughness is enhanced by top quality plastic material and metal threaded connectors.



| CODE | DESCRIPTION |
|-----------|------------------------------|
| 433433000 | Sequential Multiled 200 lamp |


ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|----------------------------|
| | 438438013 | 12 metre extension cable |
| | 438438000 | power supply cable 5 metre |
| | 404150030 | Base weighing Kg. 15 |
| | 404280030 | Base weighing Kg. 27 |
| | 400122100 | 100 Ah battery |
| | 400122200 | 180 Ah battery |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 380000020 | Battery and lamp box |
| | 404251043 | Sign Panel 250 x 1000 mm |
| | 404251041 | Double sided with prismatic cl.2 reflective film |
| | | Double sided with cl.1 reflective film |

8 LED LAMP DIRECTIONAL PANELS

Directional panels composed of 8 approved LED lamps, installed on epoxy powder painted aluminium frame and controlled by electronic control unit.

The control system automatically adjusts the brightness of the lamps based on the environmental light and accepts either a 12 or 24 Vd.c. power supply. It is also possible to select "night only" or "24 hour" operation by means of external switch.

The back of the panel is fitted with swivel connection for 90° rotation in order to quickly and easily change the "move to the right" or "move to the left" configuration. The panels can easily be installed on stands, poles, vans or operating machines.

To power the device, use the 4R25 battery pack, the rechargeable battery pack or a normal automotive battery using the adapter cable supplied. The power cable is 3 metres long and is fitted with circular connector.

The directional panel is available in 2 versions:

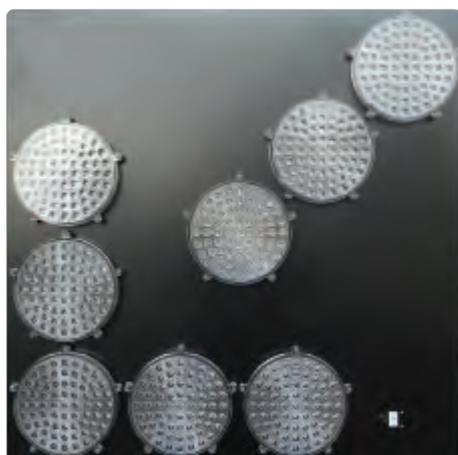
- 600x600 mm with 8 MULTILED 100 lamps
- 900x900 mm with 8 M200 lamps

| CODE | DESCRIPTION |
|-----------|--|
| 432432007 | Pannello direzionale dimensioni 600x600, 8 luci da 100mm |
| 432432008 | 900X900 with L8H approved M200 lamps |

600X600 with L2H approved MULTILED 100 lamps



900X900 with L8H approved M200 lamps



ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 435435006 | 12V battery pack with 2 x 4R25 batteries (batteries excluded) |
| | 435435023 | 7 Ah Rechargeable battery pack (recommended for panel with 100mm lamps) |
| | 435435022 | 18 Ah Rechargeable battery pack (recommended for panel with 200mm lamps) |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 300909005 | Stand for 8 light panels at 60cm from the ground |
| | 300909004 | Stand for 8 light panels, fig. 2010V |

13 LED LAMP DIRECTIONAL PANELS

Directional panels composed of 13 approved LED lamps, installed on epoxy powder painted aluminium frame and controlled by electronic control unit. The control system automatically adjusts the brightness of the lamps based on the environmental light and accepts either a 12 or 24 Vd.c. power supply. It is possible to select "right arrow" or "left arrow" operation by means of an external switch located on the panel or by using a remote control to be connected by a cable to the panel (to be ordered separately).

The back of the panel is fitted with omega bars for installation on stands, poles, vans or operating machines.

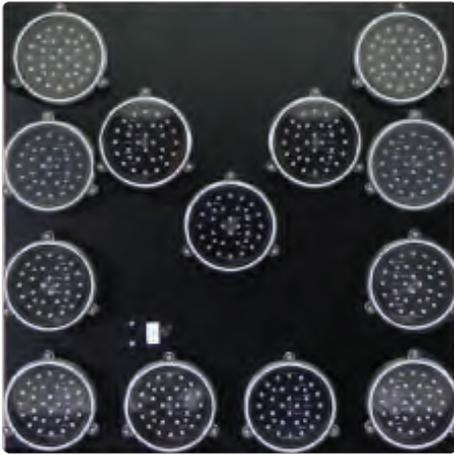
To power the device, use the 4R25 battery pack, the rechargeable battery pack or a normal automotive battery using the adapter cable supplied. The power cable is 3 metres long and is fitted with circular connector.

The directional panel is available in 2 versions:

- 600x600 mm with 13 MULTILED 100 lamps
- 900x900 mm with 13 M200 lamps

| CODE | DESCRIPTION |
|-----------|--|
| 432432009 | Directional panel 600x600 with 13 x 100mm lights |
| 432432016 | Directional panel 900x900 with 13 x M200 lights |

600X600 with L2H approved MULTILED 100 lamps



900X900 with L8H approved M200 lamps



ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 302606010 | Pair of brackets for sides, means for 600 mm panel. |
| | 302909010 | Pair of brackets for sides, means for 900 mm panel. |
| | 435435023 | 7 Ah Rechargeable battery pack (recommended for panel with 100mm lamps) |
| | 435435022 | 18 Ah Rechargeable battery pack (recommended for panel with 200mm lamps) |
| | 430122005 | 50 Ah battery |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 300909005 | Stand for 8 light panels at 60cm from the ground |
| | 300909004 | Stand for 8 light panels, fig. 2010V |
| | 432432019 | External remote control with 15 metre cable |

8 LED LAMP DIRECTIONAL PANEL FOR EMERGENCIES

Directional panel with 8 L2H approved MULTILED 100 lamps, pre-installed on stand and fitted with rechargeable battery. The panel is fitted on the stand with sliding system to quickly and easily change the “move to the right” or “move to the left” configuration. To turn the lamps on, use the switch on the electronic control unit. In the work position, the panel has a ground height of about 250 mm. The battery, housed inside a tin container, ensures an autonomy of about 25 hours and can be directly recharged by a vehicle through the supplied “cigarette lighter” connector. The stand is fitted with a handle for transport, positioned to balance the weight. A snap lock system allows the system to be quickly and safely opened/closed.



- Dimensions (stand closed): 105x20x65 cm
- Weight (including battery): Kg. 11

| CODE | DESCRIPTION |
|-----------|--|
| 432432020 | Emergency panel 600x600, 8 x 100mm lights with stand |

13 LED LAMP DIRECTIONAL PANEL FOR EMERGENCIES

Directional panel with 13 L2H approved MULTILED 100 lamps, pre-installed on stand and fitted with rechargeable battery. The panel is fitted on the stand. To turn the lamps on and select the luminous “move to the right” or “move to the left” configuration, use the switch on the electronic control unit. In the work position, the panel has a ground height of about 250 mm. The battery, housed inside a tin container, ensures an autonomy of about 25 hours and can be directly recharged by a vehicle through the supplied “cigarette lighter” connector. The stand is fitted with a handle for transport, suitably positioned to balance the weight. A snap lock system allows the system to be quickly and safely opened/closed.



- Dimensions (stand closed): 105x20x65 cm
- Weight (including battery): Kg. 12

| CODE | DESCRIPTION |
|-----------|---|
| 432432021 | Emergency panel 600x600, 13 x 100mm lights with stand |

ELECTROMECHANICAL FLAG-WAVERS FOR EMERGENCIES

The device consists of a thermosetting powder painted metal stand on which an L8H approved M200 LED lamp is affixed with an electric motor with 90° movement for handling the 600x800mm fluorescent flag and a rechargeable battery.

The flag can easily be installed on the right or left of the device.

To activate the motor and the lamp simply activate the switches on the electronic control unit. The lamp and the motor can be activated independently. The battery, housed inside a tin container, ensures an autonomy of about 6 hours and can be directly recharged by a vehicle through the supplied "cigarette lighter" connector.

The system also includes a double sided signalling panel on which accident pictograms and red/white diagonal bands are applied. The signalling panel is housed on a slide so no tools are required to change the pictogram, which can be done quickly and simply.

The stand is fitted with a handle for transport, suitably positioned to balance the weight. A snap lock system allows the system to be quickly and safely opened/closed.

- Dimensions (stand closed): 130 x 68 x 30 cm

- Weight (including battery): 15 Kg

| CODE | DESCRIPTION |
|-----------|--|
| 437437022 | Electromechanical flag-waver for emergencies |



ELECTROMECHANICAL FLAG-WAVER

The device consists of a thermosetting powder painted metal trolley on which an LED lamp is affixed, an electric motor with 90° movement for handling the 600x800mm fluorescent flag and a front panel with red/white reflective film. The flag can easily be installed on the right or left of the device.

To activate the motor and the lamp simply activate the switches on the electronic control unit. The lamp and the motor can be activated independently.

The trolley is fitted with a handle and wheels for easy transportation. The battery compartment can be padlocked and can house batteries up to 180 Ah.

The product is available in the version with approved M200 lamps or with the MULTILED 300 lamp.

- Power supply voltage: 12 volt

- Average absorption: 1.2 Ah

- Dimensions: 165 x 37 x 60 cm

- Weight (excluding battery): 25 Kg



| CODE | DESCRIPTION |
|-----------|---|
| 437437002 | Electromechanical flag-waver with M200 lamp |
| 437437006 | Electromechanical flag-waver with Multiled 300 lamp |

PLATE FIGURE 398 WITH LED LAMPS

Information plates made of sheet metal with figure 398 in class II film and approved LED lamps applied.

The piloting control unit automatically adjusts the brightness of the lamps based on the environmental light. The system can have a 12 or 24 Vd.c. power supply.

The panels are supplied with 3 metre power cable fitted with circular connector and adapter cable for automotive battery.

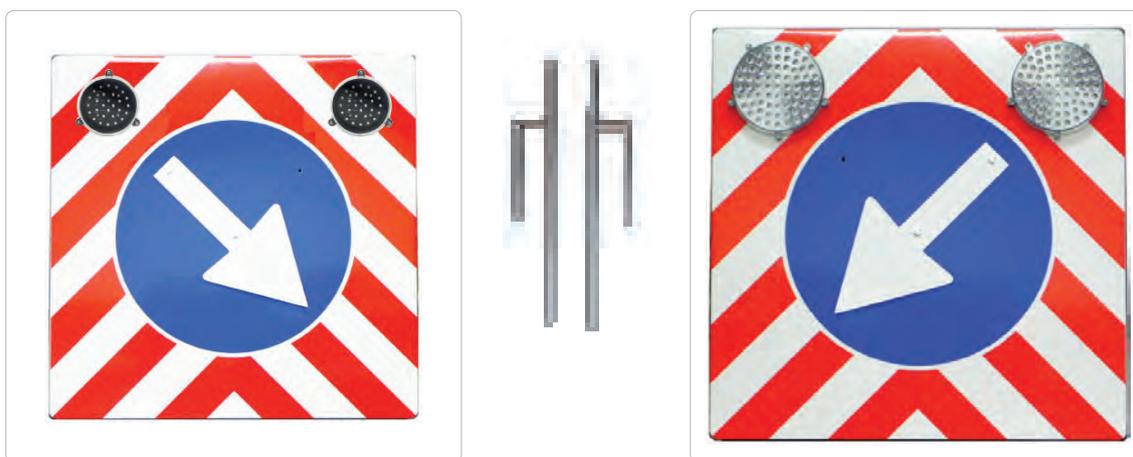
The mandatory direction sign can be rotated and is designed to be placed easily in the allowed directions

To apply the plate on the sides of vans or operational means, you can use appropriate brackets, to be ordered separately.

The panel is available in 2 versions:

- 700x700 mm with MULTILED 100 lamps
- 900x900 mm with M200 lamps

| CODE | DESCRIPTION |
|-----------|--|
| 432432018 | Panel dimensions 70x70 with 100 mm lamps |
| 432432017 | Panel dimensions 90x90 with 200 mm lamps |
| 302707010 | Pair of brackets for sides, means for 700 mm panel |
| 302909010 | Pair of brackets for sides, means for 900 mm panel |



13 LIGHT PANEL AND PLATE FIGURE 398 WITH HOIST

Movable system structure Fig. 398 made of first choice thermosetting epoxy powder painted sheet metal, 1350x1350 mm. The signal is integrated by a luminous aluminium panel with 13 L8H approved Ø 200 mm lamps, that automatically adjust the brightness based on the environmental light. It is possible to select the desired configuration for move to the right or to the left. The structure is fitted with a manual hoist for lifting and lowering the luminous panel. To be installed on mobile vehicles for long distance signalling of deviations and/or obstacles during emergency interventions, short-term sites or moving.



| CODE | DESCRIPTION |
|-----------|---|
| 437437012 | Movable system structure fig. 398 + 13 light M200 panel |

LIGHT WARNING STRUCTURES FIG. 401 AND PRE-SIGNAL (FIG. 400/FIG.1)

Folding structures with tubulars and aluminium panels with class 2 microprism film with red/white bands and configurations as required by the Highway Code inclusive of LED lamps for luminous signal and pilot electronic control unit. The frame is moved by 2 gas springs for easy opening and closing and safety bars for locking.

Upon request, a load-bearing structure can be made for installation on vehicles.

Structure Fig. 401

The light warning is composed of 23 L8H approved M200 LED lamps and 2 L9M approved MULTILED 300 lamps. The system is equipped with a control unit for function selection (right arrow, left arrow, double arrow). A warning light system displays the battery charge status and the selected function. The sign is completed with fig.80 with manually operated swivel arrow.

Structure Fig. 400

The light warning is composed of 5 L9M approved MULTILED 300 LED lamps . The system is equipped with a control unit to pilot the lamps. A warning light system displays the battery charge status and the selected function. The sign is completed with figure 383, 411/ab reversible and 500m additional panel.

Structure Fig. 1

The light warning is composed of 5 L9M approved MULTILED 300 LED lamps . The system is equipped with a control unit to pilot the lamps. A warning light system displays the battery charge status and the selected function. The sign is completed with figures 383 and "SLOW DOWN, men at work"


Structure Fig.401 "Road site protec."
L8H L9M APPROVED LAMPS

Structure Fig.400 "Road site presignal."
L9M APPROVED LAMPS

Structure Fig.1 "Road site presignal."
L9M APPROVED LAMPS

| CODE | DESCRIPTION |
|-----------|--|
| 437437023 | Microprism class 2 aluminium structure with LED lamps fig. 1 |
| 437437103 | Microprism class 2 aluminium structure with LED lamps fig. 400 |
| 437437194 | Microprism class 2 aluminium structure with LED lamps fig. 401 |
| 251000001 | Tubulars kit for structure assembly on vehicles |



SIGNALLING TRAILERS FIG.401 AND PRE-SIGNALLING (FIG.400/FIG.1)

The signalling and pre-signalling trailers are composed of a microprism cl.2 reflective film aluminium folding structure and approved LED lamps kit, installed on 750 kg trailer fitted with battery and charge compartment, repulsion brake, spare wheel and parking feet, towing eye (ball connection on request).



Trailer Fig. 401 "Road site protec."

L8H L9M APPROVED LAMPS



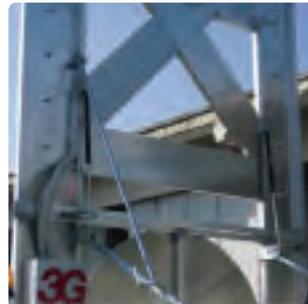
Trailer Fig. 400 "Road site pres."

L9M APPROVED LAMPS



Trailer Fig. 1 "Men at work presign."

L9M APPROVED LAMPS



| CODICE | DESCRIZIONE |
|-----------|--|
| 437437063 | Trolley with repulsor group + microprism cl.2 aluminium structure with LED lamps fig.1 |
| 437437143 | Trolley with repulsor group + microprism cl.2 aluminium structure with LED lamps fig.400 |
| 437437245 | Trolley with repulsor group + microprism cl.2 aluminium structure with LED lamps fig.401 |



M200 - APPROVED CL.L8H - "CE" CERTIFICATION

M300 - "CE" CERTIFICATION CL. L9H



LAMPS KIT FOR SIGNALLING FIG.401

System composed of 23 L8H approved M200 lamps, 2 L9M approved MULTILED 300 lamps and an electronic control unit for the light signal for fig.401. The electronic control unit pilots the LED lamps and adjusts the brightness based on the environmental light. The system can have a 12 or 24 Volt power supply and is fitted with a control unit for function selection (right arrow, left arrow, double arrow) and for displaying the battery charge status.

| CODE | DESCRIPTION |
|-----------|--|
| 436436016 | MULTILED light kit for fig.401 with control unit |



L8H L9M APPROVED LAMPS



L9M APPROVED LAMPS

SIGNALLING LAMPS KIT FIG.400/FIG.1

System composed of 5 L9M approved MULTILED 300 lamps and an electronic control unit for the light signal for fig.400 or fig.1. The electronic control unit pilots the LED lamps and adjusts the brightness based on the environmental light. The system have a 12 or 24 Volt power supply.

| CODE | DESCRIPTION |
|-----------|--|
| 436436015 | MULTILED light kit for fig.400/1 with control unit |

The line of EUROBLINKER flashing lamps was designed by 3G and is made by ensuring the highest standards of quality. All flashing lamps are fully assembled using screws, excluding any type of fixing with adhesives, a factor that gives them greater strength and resistance to impacts. With regard to the electronics, all lamps are fitted with a highly reliable electronic circuit and LEDs that guarantee high emission of light, visible at great distances. All flashing lamps are available in the flashing yellow and in fixed red light versions, and are fitted with a handle for transportation.

“VEGA” LAMP



- **Double sided lamp**
- LED light source with normal intensity
- Lens diameter 180 mm
- ON/OFF internal switch
- Automatic twilight switch always engaged
- Power supply with 1 or 2 4R25 – 6V batteries
- Battery compartment with slides for bracket insertion for mounting to pole or stand
- Easy opening and closing: clamping screw openable with normal tools (screwdriver or Allen wrench)

RECOMMENDED ON URBAN ROADS

| CODE | DESCRIPTION |
|-----------|--|
| 434434500 | Yellow “VEGA” double sided flashing lamp |
| 434434501 | Red “VEGA” double sided fixed light lamp |

“MOON” LAMP



- **Double sided lamp**
- LED light source with normal intensity
- Lens diameter 180 mm
- ON/OFF internal switch
- Automatic twilight switch always engaged
- Power supply with 1 4R25 – 6V battery
- Battery compartment without metal bracket for pole mounting
- Easy opening and closing: clamping screw openable with normal tools (screwdriver or Allen wrench)

RECOMMENDED ON URBAN ROADS

| CODE | DESCRIPTION |
|-----------|--|
| 434434506 | Yellow “MOON” double sided flashing lamp with bracket |
| 434434507 | Red “MOON” double sided fixed light lamp with bracket “MOON” |

“ATLAS” LAMP



- **Double sided lamp**
- LED light source with normal intensity
- Lens diameter 180 mm
- Internal rechargeable battery
- Solar panel 120 x 30 mm
- ON/OFF internal switch
- Automatic twilight switch always engaged
- Battery compartment without metal bracket for pole mounting
- Handle for transport
- 100 Hours autonomy

| CODE | DESCRIPTION |
|-----------|--|
| 434434510 | Yellow “SUN” double sided flashing lamp with solar panel |
| 434434511 | Red “SUN” double sided fixed light lamp with solar panel |



Metal bracket for lamps Moon and Atlas

| CODE | DESCRIPTION |
|------|-------------|
| | |

“QUEEN” LAMP

- Single sided lamp

- High emission MULTILED light source
- Class L7 + L8G approved, yellow flashing lamp or red fixed light
- Lens (Fresnel) diameter 210 mm
- 3-position ON/OFF/NIGHT external switch
- Power supply with 2 x 4R25 – 6V batteries inserted in any position (recommend H4R25 “PANTERA” batteries)
- Handle for transport
- Battery compartment with slides for bracket insertion for mounting to pole or stand
- Easy opening: clamping screw openable with normal tools (screwdriver or Allen wrench)
- Inner nut for clamping screw fixed to the frame

MANDATORY
ON HEAVY TRAFFIC ROADS AND MOTORWAYS
APPROVED CL. L7-L8G

| CODE | DESCRIPTION |
|-----------|---|
| 434434508 | Yellow “QUEEN” single sided flashing lamp |
| 434434509 | Red “QUEEN” single sided fixed light lamp |

“KING” LAMP - For Italian market only

The lamp “KING” was designed and manufactured to grant an high mechanical resistance in case of impact or falls . The compact design permits fast installation in various situations; an innovative battery pack with 1/4 turn locking screw allows quick replacement of the same without having to remove the lamp from the support. The use of a lens with concentric prisms allows to achieve high brightness with reduced consumption.


- Single or double sided lamp

- Single sided (yellow or red fixed light) Class L7 + L8G
- Double sided (yellow or red fixed light) Class L6
- Lens diameter 200 mm
- ON/OFF internal switch
- internal switch for flashing / fixed option selection
- Twilight always inserted for automatic switching on in the night hours.
- Warning light for switching on/off
- Power supply with 1 x 4R25 – 6V batteries inserted in any position (recommend H4R25 “PANTERA” batteries)

| CODE | DESCRIPTION |
|-----------|---------------------------------|
| 434434519 | Yellow “KING” single sided lamp |
| 434434520 | Red “KING” single sided lamp |
| 434434521 | Yellow “KING” double sided lamp |
| 434434522 | Red “KING” double sided lamp |

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 307000032 | Euroblinker series lamps fastening brackets and stand radio |
| | 430229069 | Euroblinker series lamps fastening brackets and pole radio kit |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 401000011 | Euroblinker series lamp fastening bracket on Ø 48 poles without screws |
| | 440123003 | Square head 8x70 screw with nut |
| | 401000030 | Wrench for screws and flashing beacon nuts |



The system, composed of 2 ELITE model traffic lights, represents the TOP of our range of mobile traffic lights for sites. The system has been specifically designed to meet the needs of the construction site.

The traffic light lantern in stand-by position is completely housed inside the battery compartment so that it is protected against accidental impacts. This feature makes it possible to load materials on trolleys to optimise spaces on vans and operational vehicles. The reduced size allows transport with normal vehicles. The opening/closing system is quick and simple to use: simply block the structure with the 2 snap hooks to make the traffic light operational in a few seconds. The lantern can be adjusted in height (up to 2200 mm) to improve visibility at a great distance.

The MULTILED model traffic light lantern is made of thermosetting epoxy powder painted sheet metal, with resistant plastic sun visors and lenses. The combined use of LEDs and secondary lenses provides a very high luminous efficiency with consequent consumption reduction: a 100 Ah battery has an autonomy of over 270 hours.

The traffic light trolley is made of thermosetting epoxy powder painted sheet metal and is fitted with a handle and wheels.

The battery compartment can house large batteries (up to 180 Ah) and is prepared for closure with padlock.

The traffic light lantern is certified to standard EN12368.

The traffic light system is approved by the Italian Ministry of Transport and Infrastructure with the use of our control units.



- power supply voltage: 12 volt
- absorption: 0.4 Ah
- dimensions: cm. 100 x 42 x 52 h
- weight (excluding battery): each Kg. 42

| CODE | DESCRIPTION |
|-----------|--|
| 431431004 | ELITE model site mobile traffic light system |



ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|------------------------------|
| | 400122100 | 100 Ah battery |
| | 400122200 | 180 Ah battery |
| | 400100200 | Traffic light control CSQ_2V |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 431431010 | Traffic light control CSC_3V |
| | 431431011 | Traffic light control CSC_4V |
| | 435435005 | 30W voltage transformer with battery-charger function |



The system, composed of 2 LIGHT model traffic lights, has been specifically designed to minimise space and facilitate transport.

The traffic light lantern can be closed on the battery compartment to optimise space on vans and operational vehicles.

The reduced size allows transport with normal vehicles

The opening/closing system is quick and simple to use: simply block the structure with the 2 snap hooks to make the traffic light operational in a few seconds. The lantern can be adjusted in height (up to 2200 mm) to improve visibility at a great distance.

The MULTILED model traffic light lantern is made of thermosetting epoxy powder painted sheet metal, with resistant plastic sun visors and lenses. The combined use of LEDs and secondary lenses provides a very high luminous efficiency with consequent consumption reduction: a 100 Ah battery has an autonomy of over 270 hours.

The traffic light trolley is made of thermosetting epoxy powder painted sheet metal and is fitted with a handle and wheels. The battery compartment can house large batteries (up to 180 Ah) and is prepared for closure with padlock.

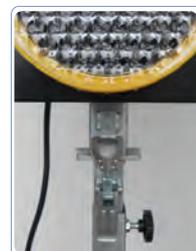
The traffic light lantern is certified to standard EN12368.

The traffic light system is approved by the Italian Ministry of Transport and Infrastructure with the use of our control units.



- power supply voltage: 12 volt
- absorption: 0.4 Ah
- dimensions: cm. 85 x 42 x 55 h
- weight (excluding battery): each Kg. 40

| CODE | DESCRIPTION |
|-----------|--|
| 431431021 | LIGHT model site mobile traffic light system |



ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|------------------------------|
| | 400122100 | 100 Ah battery |
| | 400122200 | 180 Ah battery |
| | 400100200 | Traffic light control CSQ_2V |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 431431010 | Traffic light control CSC_3V |
| | 431431011 | Traffic light control CSC_4V |
| | 435435005 | 30W voltage transformer with battery-charger function |



COUNT-DOWN FOR TRAFFIC LIGHTS SETS

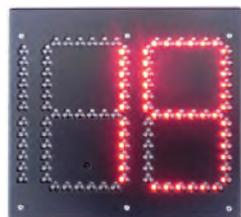
The countdown is a module, produced by us, to be added to the traffic lights and that shows the time to the light's color change. The seconds are visualized with a led display made by 7 modules 170mm height. The countdown system has a controller self-learning the duration of the cycles and with automatic adjustment of the brightness of the light's lamps, based on the environmental light. The electronics is enclosed in a metallic container epoxy painted to resist oxidation, with hooks for quick and easy fix on the traffic lantern. The display numeric is available in single color (white) version, and in 3 color version (count down numeric color same as the traffic light "On" light color)

The count-down semaforico is compatible with the controllers for the traffic lights also produced by uis.

- Power supply 12 Vd.c.
- Consumption (absorbption) 0,4 Ah
- Dimension 4x25x25 ht. cm.
- Built for multiled lantern



New regulation foot for adjusting the traffic light inclination



| CODE | DESCRIPTION |
|-----------|---|
| 431431027 | Count-down 3 colors(red - yellow - green) |

| CODE | DESCRIPTION |
|-----------|--------------------------|
| 431431020 | Count-down 1 color white |

TRAFFIC LIGHT LANTERN CERTIFIED EN 12368

Led traffic lanterns 1, 2 or 3 lights, for carparks space management. Exit, entry oversized vehicles, ambulances, trucks, garage, or private areas, factory areas. Designed to be fixed to a Post with brackets ø 48 o 60 mm to bridge, and to wall (to be ordered separately). Supply 12 Vd.c.



| CODE | DESCRIPTION |
|-----------|--|
| 431231013 | Traffic lantern 1 light, red, 12Vdc, fixture on Post /wall |
| 431231014 | Traffic lantern 1 light, yellow, 12Vdc, fixture on Post /wall |
| 431231015 | Traffic lantern 1 light, green, 12Vdc, fixture on Post /wall |
| 431231009 | Traffic lantern 2 lights, red, green, 12Vdc, fixture on Post /wall |
| 431231012 | Traffic lantern 3 lights, red, yellow, green 12Vdc, fixture on Post /wall |
| 430229047 | Flat Fixing Plate for fixing the traffic lantern to the wall with brackets |
| 250805007 | Brackets Kit/Bolt. nr. 5 Ø 48 mm. (nr. 2 brackets -4 screws-4 nuts) |
| 250805008 | Brackets Kit/Bolt. nr. 6 Ø 60 mm. (nr. 2 brackets-4 screws-4 nuts) |



CSQ_2V MODEL 2-WAY TRAFFIC LIGHT CONTROL UNIT

The pair of CSQ_2V model electronic control units allows managing 2-way temporary traffic light systems without connection cables. The use of classic rotary switches and vandal-proof metal buttons makes the system easy to use without compromising reliability and functionality.

To install the traffic light system simply set the selectors so that the phase times are identical on both control units and simultaneously press a button on both devices. An internal battery maintains the synchronisation during any handling. A warning light system signals that synchronisation has occurred, the phases currently present on the traffic light lanterns and the battery charge status. As well as the normal traffic light cycle, you can set the yellow flashing beacon or switch-off the lanterns. The control system maintains the synchronism switching between functions, to allow use of the yellow flashing beacon during the night and the normal traffic light cycle during the day, without having to synchronise each time.

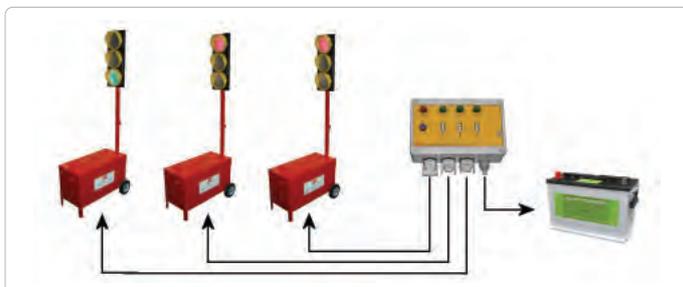
| CODE | DESCRIPTION |
|-----------|------------------------------|
| 400100200 | Traffic light control CSQ_2V |

2, 3 or 4-WAY TRAFFIC LIGHT CONTROL UNIT MODELS CSC_2V, CSC_3V and CSC_4V

The CSC model electronic control unit allows adjusting 2, 3 or 4-way temporary traffic light systems with connection cables; this product is recommended for long-term sites.

Each traffic light lantern must be connected to the control unit via a connection cable, to be ordered separately.

The use of classic rotary switches makes the product easy to use without compromising reliability and functionality: to install the traffic light system simply set the selectors to the desired timing. As well as the normal traffic light cycle, you can set the yellow flashing beacon or switch-off the lanterns. A warning light system signals the phases currently present on the traffic light lanterns and the battery charge status. The control unit is set up for use with our traffic light trolleys.

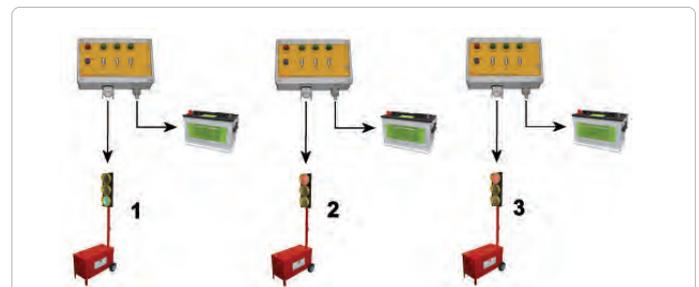


CSC Traffic light connection layout

| CODICE | DESCRIZIONE |
|-----------|---|
| 431431016 | Traffic light control CSC_2V |
| 431431010 | Traffic light control CSC_3V |
| 431431011 | Traffic light control CSC_4V |
| 431431023 | Single traffic light trolley mod. Elite |

CSQ_3V and CSQ_4V MODEL 3 or 4-WAY TRAFFIC LIGHT CONTROL UNIT

The CSQ_3V / 4V model electronic control unit system allows adjusting 3 or 4-way temporary traffic light systems without connection cables. This product is recommended for short-term sites. Each control unit is connected to a traffic light lantern via cable. To install the traffic light system simply set the selectors so that the phase times are identical on all devices and simultaneously press a button on all the control units. An internal battery maintains the synchronisation during any handling. The control unit is set up for use with our traffic light trolleys.



CSQ Traffic light connection layout

| CODICE | DESCRIZIONE |
|-----------|---|
| 431431024 | Traffic light control CSQ_3V |
| 431431025 | Traffic light control CSQ_4V |
| 431431022 | Single traffic light trolley mod. Light |

30W VOLTAGE TRANSFORMER WITH BATTERY-CHARGER FUNCTION

Specific product to power the LED site traffic light systems by public network or mains voltage. The transformer can be connected to a buffer battery (minimum 18Ah): in the case of no mains voltage, the system automatically switches to the battery, in order to guarantee continuity of the traffic light system service. The system automatically recharges the battery.



| CODE | DESCRIPTION |
|-----------|---|
| 435435005 | 30W voltage transformer with battery-charger function |

EN 12368 CERTIFIED LED TRAFFIC LIGHT LANTERNS

LED traffic light lanterns (1, 2 or 3 lights) indicated for traffic light systems to manage parking, exit and entry of site or emergency vehicles, garages, private areas, company traffic. They are designed for pole mounting using bridge or wall brackets through a shelf (to be ordered separately). They must have a 12 Vd.c. power supply.



| CODE | DESCRIPTION |
|-----------|--|
| 431231014 | 1 Yellow light traffic light lantern at 12 Vd.c. |
| 431231009 | 2 red/green light traffic light lantern at 12 Vd.c. |
| 431231012 | 3 red/yellow/green light traffic light lantern at 12 Vd.c. |
| 430229047 | Shelf with plate for wall traffic light lantern mounting |

SPECIAL TRAFFIC LIGHT SYSTEMS

Traffic light systems made on request to meet particular needs, such as:

- buttons or sensors for priority calls
- radio or cable remote control systems
- systems powered by photovoltaic panels for long-term sites
- multi-traffic light systems
- traffic light systems to regulate traffic for site or emergency, garage and parking vehicles
- signal systems for critical events (landslides or floods)



For more information or an estimate, please contact our sales department.


“TIGRE” ECOLOGICAL BATTERY

- rechargeable battery 4R25
- average duration
- to power all flashing beacons
- dimensions 6.5x6.5x9.5 cm
- 0% mercury and cadmium
- 6Volt 5Ah
- eco-friendly non rechargeable
- 20pc pack

| CODE | DESCRIPTION |
|-----------|------------------------------|
| 402642500 | Ecological battery 6V - 4R25 |

“LEOPARDO” SUPER 4R25 ECOLOGICAL BATTERY

- SUPER 4R25 ecological battery
- to power all flashing beacons
- long duration
- dimensions 6.5x6.5x9.5 cm
- 0% mercury and cadmium
- 6Volt 7Ah
- eco-friendly non rechargeable
- 20pc pack



| CODE | DESCRIPTION |
|-----------|------------------------------------|
| 402649500 | 6V - 4R25 Ecological extra battery |


“PANTERA” 25 Ah ECOLOGICAL BATTERY

- ecological battery H4R25AIR
- to power all flashing beacons
- high capacity air-alkaline
- increases autonomy and performance of the flashing beacons
- dimensions 6.5x6.5x9.5 cm
- 0% mercury and cadmium
- 6Volt 25Ah
- eco-friendly non rechargeable
- 20pc pack

| CODE | DESCRIPTION |
|-----------|----------------------------|
| 402250360 | Ecological battery 6V 25Ah |

“LEONESSA” 45 Ah ECOLOGICAL BATTERY

- ecological battery H4R25AIR
- to power all flashing beacons
- high capacity air-alkaline
- increases autonomy and performance of the flashing beacons
- dimensions 6.5x6.5x9.5 cm
- 0% mercury and cadmium
- 6Volt 45Ah
- eco-friendly non rechargeable
- 20pc pack



| CODE | DESCRIPTION |
|-----------|----------------------------|
| 402500360 | 6V 45Ah Ecological battery |


GEL STORAGE BATTERY

- airtight gel battery;
- 12V - 5 Ah
- 12V - 7.2 Ah
- 12V - 18 Ah
- 12V - 45 Ah
- rechargeable

| CODE | DESCRIPTION |
|-----------|-----------------------------------|
| 430122015 | Airtight gel battery 12V - 5 Ah |
| 430122010 | Airtight gel battery 12V - 7.2 Ah |
| 430122002 | Airtight gel battery 12V - 18 Ah |
| 430122014 | Airtight gel battery 12V - 45 Ah |

STORAGE BATTERY WITH ACID

- lead battery with acid;
- to power all electronic devices
- 12V 50 Ah, approx. 14 kg
- 12V 100 Ah, approx. 22 kg
- 12V 180 Ah, approx. 40 kg
- rechargeable



| CODE | DESCRIPTION |
|-----------|----------------------|
| 430122005 | 12V - 50 Ah Battery |
| 400122100 | 12V - 100 Ah Battery |
| 400122200 | 12V - 180 Ah Battery |

For other amperage needs, contact our sales department

POWER SUPPLY KIT WITH 2 4R25 BATTERIES

This is comprised of a plastic container housing 2 4R25 batteries and a cable equipped with a circular plastic connector, compatible with systems manufactured by us (led lamps and luminous panels). The product is recommended for installations requiring a power supply system that is easy to use, in terms of weight and size.



| CODE | DESCRIPTION |
|-----------|---|
| 435435006 | 12V battery pack with 2 x 4R25 batteries (batteries excluded) |

POWER SUPPLY KIT WITH RECHARGEABLE BATTERY FROM VEHICLE

Power supply system that can be recharged through a 12 V cigarette lighter. It is equipped with an output cable to connect the load and a smaller adapter cable fitted with a cigarette lighter plug for recharging. The product is recommended for installations requiring a power supply system that is always ready for use and compact in size.



Also available in the 7.2Ah and 18Ah battery version; systems with different amperage are possible on request

| CODE | DESCRIPTION |
|-----------|---------------------------------|
| 435435023 | 7Ah rechargeable battery pack |
| 435435022 | 18 Ah rechargeable battery pack |

POWER SUPPLY KIT FROM ELECTRICAL MAINS

Power supply system from 230 Va.c. to 12 Vd.c. electrical mains Equipped with an input cable for the connection to the electrical power line and an output cable for the connection of the charge; the output connector is compatible with systems manufactured by us.



Available in various Wattages, also on request.

| CODE | DESCRIPTION |
|-----------|--|
| 435435000 | Transformer 230 Va.c. - 12 Vd.c. - 15 Watt |
| 435435003 | Transformer 230 Va.c. - 12 Vd.c. - 30 Watt |
| 435435004 | Transformer 230 Va.c. - 12 Vd.c. - 60 Watt |

POWER SUPPLY KIT FROM PUBLIC NETWORK

Power supply system from 230 Va.c. to 12 Vd.c. public network with buffer battery and automatic switching.

To accumulate energy during the night with the public network and to automatically switch to battery operation during the day.

Equipped with an input cable for the connection to the public power line and an output cable for the connection of the charge; the output connector is compatible with systems manufactured by us.

Available in various Wattages/Amperages, also on request.



| CODE | DESCRIPTION |
|-----------|---|
| 435435025 | Transformer 230 Va.c. - 12 Vd.c. - 15 Watt - 7 Ah buffer battery |
| 435435026 | Transformer 230 Va.c. - 12 Vd.c. - 30 Watt - 18 Ah buffer battery |
| 435435027 | Transformer 230 Va.c. - 12 Vd.c. - 60 Watt - 45 Ah buffer battery |

PHOTOVOLTAIC KITS IN 5 - 10 - 20 WATT MODELS

The photovoltaic power supply kit is comprised of a photovoltaic panel, a buffer battery and a charge regulator. The system can supply 12 Volt charges by exploiting solar energy. The output connector is compatible with systems manufactured by us. The kit is designed for installation on top of poles 60 mm in diameter, it is possible to order clamps for poles with different diameters, separately.


ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|---|-----------|---|
|  | 430229082 | Reduction clamp for pole from 90 to 60 (only for 15, 10, 20 Watt photovoltaic kits) |


PHOTOVOLTAIC KITS FOR MODELS 50 - 80 - 140 WATT

The photovoltaic power supply kit is comprised of a photovoltaic panel, a buffer battery and a charge regulator. The system can supply 12 Volt charges by exploiting solar energy. The output connector is compatible with systems manufactured by us. The kit is designed for installation on top of poles 60 mm in diameter. For installation on poles with other measurements, specify the diameter when placing the order.



| CODE | DESCRIPTION |
|-----------|--------------------------|
| 435435021 | 5 Watt Photovoltaic Kit |
| 435435009 | 10 Watt Photovoltaic Kit |
| 435435002 | 20 Watt Photovoltaic Kit |

| CODE | DESCRIPTION |
|-----------|---------------------------|
| 435435007 | 50 Watt Photovoltaic Kit |
| 435435010 | 80 Watt Photovoltaic Kit |
| 435435020 | 140 Watt Photovoltaic Kit |

It is possible to provide photovoltaic kits with different Wattages on request. For sizing and information, please contact our sales department.



BASIC SPEED DISSUADER

The system is composed of a radar for vehicle detection and a pair of type-approved lamps that light up as the vehicle approaches or if it exceeds the speed limit.

The system can be supplied already installed on the sign, or ordered separately.

The device must be powered at 12 Volts through a 60 Watt mains transformer or 50 Watt photovoltaic power supply.



| CODE | DESCRIPTION |
|-----------|---|
| 437437035 | Basic speed dissuader with M200 lamps |
| 437437036 | Basic speed dissuader with MULTILED 100 lamps |

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|-------------------------|
| | 435435004 | Power mains transformer |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--------------------------------|
| | 435435007 | 50 Watt photovoltaic power kit |

SPEED DISSUADER DISPLAY



The system is composed of a radar for vehicle detection and a led display for speed display. The display is built with box-type aluminium with a thickness of 1000 mm and it is available for 2 digits (500x400mm) and 3 digits (700x400mm); character height is 280mm.

Additional parts can be combined with the display to increase the efficiency of the message, such as:

- display for the words "RALLENTA / -X PUNTI" (SLOW DOWN / - X POINTS) (character height of 100mm);
- pair of approved 100 or M200 MULTILED lamps
- data-logger card to perform statistical analysis on passing vehicles

The system can be supplied already installed on the sign, or ordered separately

The device must be powered at 12 Volts through a 60 Watt mains transformer or 50 Watt photovoltaic power supply (the Wattage must be established for each case).

| CODE | DESCRIPTION |
|-----------|--|
| 437437020 | Speed dissuader with 2-digit display |
| 437437011 | Speed dissuader with 3-digit display |
| 437437025 | Speed dissuader with 2-digit + words display |
| 437437021 | Speed dissuader with 3-digit + words display |

| CODE | DESCRIPTION |
|-----------|---|
| 437437028 | Speed dissuader with 2-digit display and datalogger |
| 437437017 | Speed dissuader with 3-digit display and datalogger |
| 437437026 | Speed dissuader with 2-digit + words display + datalogger |
| 437437027 | Speed dissuader with 3-digit + words display + datalogger |

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 434434012 | Dual multiled 100 flashing beacon system |
| | 434434010 | Dual multiled 100 flashing beacon system on plate |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 434434218 | Dual M200 LED flashing beacon system |
| | 434434219 | Dual M200 LED flashing beacon system on plate |

Customisation on request.

For more information or an estimate, please contact our sales department


CARRY CASE SPEED DISSUADER DISPLAY

The system is composed of a radar for vehicle detection and a led display to view the speed, equipped with an internal battery, a motor-vehicle recharging system (from the "cigarette lighter") and carrying handle. Suitable for driving schools for speed display during motorcycle and motor-vehicle driving tests.

| CODE | DESCRIPTION |
|-----------|---|
| 437437031 | Carry case speed dissuader with 2-digit display |
| 437437032 | Carry case speed dissuader with 3-digit display |


SPEED DISSUADER DISPLAY ON STAND

The system is composed of a radar for vehicle detection and a led display to view the speed, equipped with an internal battery, a motor-vehicle recharging system (from the "cigarette lighter"). The display is installed on a compact portable folding stand along with the fibreglass "CONTROLLO ELETTRONICO DELLA VELOCITA'" (ELECTRONIC SPEED CONTROL) sign. Its dimensions are such that it can also be carried in cars.

Suitable for construction site areas or near autovelox speed cameras.

| CODE | DESCRIPTION |
|-----------|---|
| 437437029 | Speed dissuader with 2-digit display on stand |
| 437437030 | Speed dissuader with 3-digit display on stand |

SPEED DISSUADER DISPLAY ON STAND

The system is composed of a radar for vehicle detection and a led display to view the speed, the display is installed on a trolley and is fully housed inside the battery compartment along with the fibreglass "CONTROLLO ELETTRONICO DELLA VELOCITA'" (ELECTRONIC SPEED CONTROL) sign.

Suitable for construction site areas or near autovelox speed cameras.


ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---------------|
| | 430122005 | 50 Ah battery |

| CODE | DESCRIPTION |
|-----------|---|
| 437437033 | Speed dissuader with 2-digit display on stand |
| 437437034 | Speed dissuader with 3-digit display on stand |

BASIC PEDESTRIAN

Luminous system to mark pedestrian crossings comprised of flashing led lamps already installed on aluminium or "CG10" signs with cl. 2S micro-prismatic film. The lamps are always active and alert drivers from a distance. The system is available on 20x60 or 30x60 signs to be installed on existing pedestrian crossings or in the 60x90 variation for new applications. Available in one-sided or two-sided version using one-sided or two-sided brackets for Ø 48 or Ø 60 poles. The structure runs on 12 Volts and can be powered using electrical or public mains transformers or photovoltaic power supply kit.

On request, we can provide customised solutions or variations.



Panel 20x60 alum. 25/10 with Multiled 100 lamps, L2H approved



Panel 30x60 alum. 25/10 with M200 lamps, L8H approved



"CG10" 60x90 sign with Multiled 100 lamps, L2H approved



"CG10" 60x90 sign with M200 lamps, L8H approved

| CODE | DESCRIPTION |
|-----------|---|
| 439410101 | Basic Pedestrian System with Multiled 100 lamps on 20x60 alum. 25/10 sign, one-sided |
| 439420101 | Basic Pedestrian System with Multiled 100 lamps on 20x60 alum. 25/10 sign, two-sided |
| 439410210 | Basic Pedestrian System with M200 lamps on 30x60 alum. 25/10 sign, one-sided |
| 439420410 | Basic Pedestrian System with M200 lamps on 30x60 alum. 25/10 sign, two-sided |

| CODE | DESCRIPTION |
|-----------|--|
| 439410124 | Basic Pedestrian System with Multiled 100 lamps on "CG10" 60x90 one-sided sign |
| 439420320 | Basic Pedestrian System with Multiled 100 lamps on "CG10" 60x90 two-sided signs |
| 439410224 | Basic Pedestrian System with M200 lamps on "CG10" 60x90 one-sided sign |
| 439420420 | Basic Pedestrian System with M200 lamps on "CG10" 60x90 two-sided signs |

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--------------------------------|
| | 435435021 | 5 Watt photovoltaic power kit |
| | 435435009 | 10 Watt photovoltaic power kit |
| | 435435002 | 20 Watt photovoltaic power kit |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|---|
| | 435435000 | Transformer 230 Va.c. -12Vd.c. - 15 Watt |
| | 435435025 | Transformer 230 Va.c. -12Vd.c. - 15 Watt with 7Ah buffer battery |
| | 435435003 | Transformer 230 Va.c. -12Vd.c. - 30 Watt |
| | 435435026 | Transformer 230 Va.c. -12Vd.c. - 30 Watt with 18Ah buffer battery |

PEDESTRIAN RADIO

Luminous system to mark pedestrian crossings comprised of flashing led lamps already installed on aluminium or "CG10" signs with cl. 2S micro-prismatic film, dual-technology pedestrian detector and radio communication system.

The lamps only start working when a pedestrian is detected; the radio system turns on the light sources on the other side of the road as well, it is ready for use and easy to install.



The structure is available in the 20x60 or 30x60 sign versions for installation on existing pedestrian crossings or in the 60x90 variation for new applications. Available in one-sided or two-sided version using one-sided or two-sided brackets for Ø 48 or Ø 60 poles.

To make the system even more efficient it is possible to add a 3G Kladio led street lamp to light up the pedestrian crossing, only when someone is crossing the road.

The system runs on 12 Volts and can be powered using electrical or public mains transformers or photovoltaic power supply kit.



| CODE | DESCRIPTION |
|-----------|--|
| 439330100 | Radio Pedestrian System with Multitiled 100 lamps on 20x60 alum. 25/10 sign, one-sided |
| 439340300 | Radio Pedestrian System with Multitiled 100 lamps on 20x60 alum. 25/10 signs, two-sided (with two-sided brackets) |

| CODE | DESCRIPTION |
|-----------|--|
| 439330124 | Radio Pedestrian System with Multitiled 100 lamps on "CG10" 60x90 one-sided sign |
| 439340324 | Radio Pedestrian System with Multitiled 100 lamps on "CG10" 60x90 two-sided signs (with two-sided brackets) |

It is possible to request customisations or variations (call button instead of sensor, M200 lamps instead of Multitiled 100, fitting types, sizes, support materials and film type).

ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 437437352 | 3G Kladio 20 Street Lamp |
| | 435435003 | Transformer 230 Va.c.-12Vd.c. - 30 Watt |
| | 435435026 | Transformer 230 Va.c.-12Vd.c. - 30 Watt with 18Ah buffer battery |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--------------------------------|
| | 435435002 | 20 Watt photovoltaic power kit |

PEDESTRIAN VISUAL

Luminous system to mark pedestrian crossings, composed of led luminous source that replicates fig. 303 of the C.d.S. (Highway code), cl. 2S micro-prismatic reflector, pedestrian detection sensor and radio communication system. The light sources only come on when a pedestrian is detected, the radio system switches them on on the other side of the road as well. The led lights are only activated at night. The support is built with extruded aluminium with side fitting for poles with a diameter of 60mm. The sign is available in the 60x60 version (one-sided or two-sided) or in the 60x80 version with led lights (one-sided or two-sided). To make the system even more efficient it is possible to add a 3G Kladio led street lamp which only lights up the pedestrian crossing when someone is crossing the road.

The structure runs on 12 Volts and can be powered using electrical or public mains transformers or photovoltaic power supply kit.



| CODE | DESCRIPTION |
|-----------|---|
| 439133050 | One-sided 60x60 Visual Pedestrian System |
| 439143050 | Two-sided 60x60 Visual Pedestrian System |
| 439133150 | One-sided 60x80 Visual Pedestrian System with Multitiled 100 lamps |
| 439143150 | Two-sided 60x80 Visual Pedestrian System with Multitiled 100 lamps |

It is possible to request customisations or variations (call button instead of sensor, M200 lamps instead of Multitiled 100, fitting types, sizes, support materials and film type)

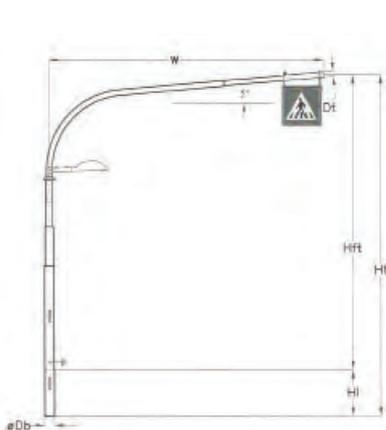
ACCESSORIES

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--|
| | 437437352 | 3G Kladio 20 Street Lamp |
| | 435435003 | Transformer 230 Va.c.-12Vd.c. - 30 Watt |
| | 435435026 | Transformer 230 Va.c.-12Vd.c. - 30 Watt with 18Ah buffer battery |

| PHOTO | CODE | DESCRIPTION |
|-------|-----------|--------------------------------|
| | 435435002 | 20 Watt photovoltaic power kit |

TOP LIGHT PEDESTRIAN

Internally-lit luminous system to signal pedestrian crossings, built with two-sided 90x90x20 extruded aluminium profiles, designed to be applied to outreach poles, also available in the version with built-in lamp to illuminate pedestrian crossings.



| CODE | DESCRIPTION |
|-----------|--|
| 439200006 | Two-sided 90x90x20 Top Light Pedestrian System (pole excluded) |
| 439201006 | Two-sided 90x90x20 Top Light Pedestrian System with built-in lamp (pole excluded) |

| POLE ACRONYM | TOT. HEIGHT OF POLE | HEIGHT ABOVE GROUND | UNDERGROUND | OUTREACH | DIAM. OF BASE BY TH. | DIAM. OF HEAD BY TH. | TOT. WEIGHT OF POLE |
|--------------|---------------------|---------------------|-------------|----------|----------------------|----------------------|---------------------|
| | H t. mm. | Hag. mm. | Hu. mm. | W. mm. | Db. mm. | Dh. mm. | P. kg. |
| PRP-4 | 7.500 | 6.700 | 800 | 4.000 | 168x4 | 102 | 147 |
| PRP-5 | 7.500 | 6.700 | 800 | 5.000 | 193x4 | 114-102 | 180 |
| PRP-6 | 7.500 | 6.700 | 800 | 6.000 | 219x5 | 114-102 | 228 |

SMART LIGHT PEDESTRIAN

An innovative signal and lighting system for pedestrian crossings.

The luminous signal towards drivers is provided in both directions by led lights that replicate fig. 303 of the C.d.S. (Highway code) and by 2 Multiled 100 lamps.



The pedestrian crossing sign is illuminated by a new and advanced double-source system which is completely built-in to the sign. On the top there are 4 white led light lamps, duly inclined and directed to light up the pedestrian crossing area. On the bottom of the support there is an additional light source, precisely directed, which lights up the pedestrian crossing. The combined effect of these 2 light sources achieves the maximum effect of light reflection on the pedestrian and eliminates any glare for passers by and drivers.

All of the lights only start working when the call button is pressed or through a dual-technology sensor. A synchronisation radio system simultaneously switches on both signs on either side of the road.

The system is powered by a photovoltaic panel, electric or public mains transformers, and a sophisticated management algorithm that achieves high levels of autonomy even when there is no sun and to optimise the emitted light based on how bright the surroundings are. Pole included, it is simple to install and has a pleasing aesthetic impact.

Watch the video on the site www.pedonesmart.it



| CODE | DESCRIPTION |
|-----------|--|
| 439040151 | Two-sided Smart Light Pedestrian System with photovoltaic-powered sensor |
| 439060151 | Two-sided Smart Light Pedestrian System with photovoltaic-powered button |
| 439041151 | Two-sided Smart Light Pedestrian System with sensor powered by the electric mains |

| CODE | DESCRIPTION |
|-----------|--|
| 439061151 | Two-sided Smart Light Pedestrian System with button powered by the electric mains |
| 439042151 | Two-sided Smart Light Pedestrian System with sensor powered by the public mains |
| 439062151 | Two-sided Smart Light Pedestrian System with button powered by the public mains |

CG10 LUMINOUS SIGNS WITH PERIMETER LED LIGHTS

Led light signals suitable for reinforcing the signs and inviting drivers to proceed with maximum caution near dangerous points: public transportation stops, areas where there are school children, bike paths, gore points and parking lots.

The sign is composed of a CG10 box-type frame housing the led light sources, an external electronic control unit manages the system. During the day the led lights flash, at night, in addition to flashing, the led lights stay on with low backlighting. They must be powered with 12 V.d.c. through electric or public mains transformers or photovoltaic power supply kits. The signs are available in the formats required by the C.d.S. (Highway code). In addition, it is also possible to expand the system by adding a multiled 100 or M200 lamp which flashes alternately with the sign.

CONSTRUCTION TECHNIQUE CHARACTERISTICS:

ELECTRICAL:

- power supply systems through direction-adjustable photovoltaic panel, electric mains or public mains
- LED light source available in red or white
- LED type: through hole 5mm ultra-luminous
- different colours of light source: red or white
- automatic adjustment of light intensity based on solar illuminance flashing luminous signal with static backlighting
- option for night operation only
- option for operation through external sensors or buttons

MECHANICAL:

- CG10 support with high mechanical resistance to impact, acts of vandalism and corrosion in marine environments
- dielectric and insulating
- light and easy to handle
- resistant to high and low temperatures -80° +110°
- superior micro-prismatic class 2 film
- rubber seal to ensure water tightness

LUMINOUS DANGER SIGNS

Type of material: "CG10"
Type of films: superior micro-prismatic class 2 reflecting
Type of measurements: triangle, normal side mm. 900, large side mm. 1200
Type of figures: figures and articles (Highway Code)

| CODE | DESCRIPTION |
|-----------|--|
| 436410300 | CG10 900 mm. triangle with white perimeter led lights |
| 436410301 | CG10 900 mm. triangle with red perimeter led lights |
| 436410302 | CG10 1200 mm. triangle with white perimeter led lights |
| 436410303 | CG10 1200 mm. triangle with red perimeter led lights |



LUMINOUS REGULATION SIGNS

a) right-of-way signs

Type of material: "CG10"
Type of films: superior micro-prismatic class 2 reflecting
Type of measurements: octagon small 600mm., normal 900mm.
Type of figures: figures and articles (Highway Code)

| CODE | DESCRIPTION |
|-----------|--|
| 436436005 | CG10 600 mm. octagon with red perimeter led lights |
| 436442000 | CG10 900 mm. octagon with red perimeter led lights |



b) forbidden and compulsory action signs

Type of material: "CG10"
Type of films: superior micro-prismatic class 2 reflecting
Type of measurements: disc small ø 400mm., normal ø 600mm.
 large ø 900mm
Type of figures: figures and articles (Highway Code)



| CODE | DESCRIPTION |
|-----------|---|
| 436430000 | CG10 400 ø mm. disc with white perimeter led lights |
| 436430001 | CG10 400 ø mm. disc with red perimeter led lights |
| 436420300 | CG10 600 ø mm. disc with white perimeter led lights |

| CODE | DESCRIPTION |
|-----------|---|
| 436420302 | CG10 600 ø mm. disc with red perimeter led lights |
| 436432400 | CG10 900 ø mm. disc with white perimeter led lights |
| 436432401 | CG10 900 ø mm. disc with red perimeter led lights |

LUMINOUS SIGNS FOR SPECIAL CATEGORIES

Type of material: "CG10"
Type of films: superior micro-prismatic class 2 reflecting
Type of measurements: rectangle small 400x600 mm. large 600x900 mm.
 square normal 600x600 mm.
Type of figures: figures and articles (Highway Code)



Signs to create awareness among drivers, reminding them that these are reserved parking spots. The signs, fitted with a sensor, will only come on when a car parks in the relative spot. The signal switches off after 30 seconds.

| CODE | DESCRIPTION |
|-----------|--|
| 436433300 | "CG10" sign 600x400mm. with perimeter white led lights |
| 436430014 | "CG10" sign 600x900mm. with perimeter white led lights |
| 436436001 | "CG10" sign 600x600mm. with perimeter white led lights |

TEMPORARY LUMINOUS SIGNS FOR ROAD WORKS

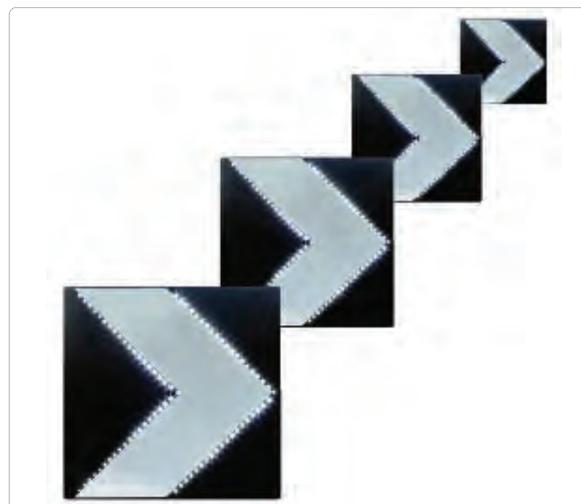
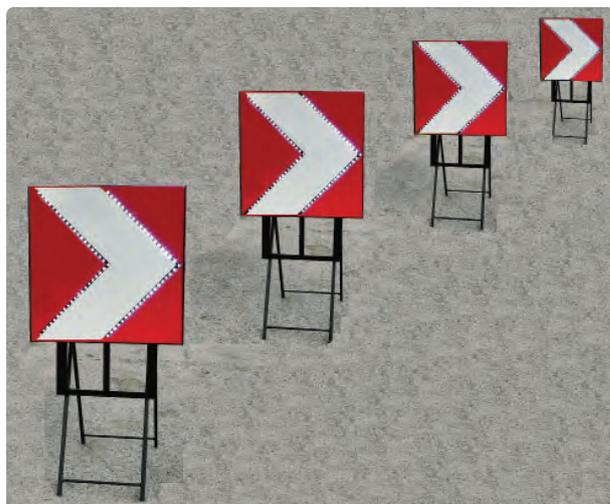
Type of material: "CG10"
Type of films: superior micro-prismatic class 2 reflecting
Type of measurements: triangle, normal side 900mm., large side 1200mm.,
 disc normal ø 600, large ø 900
Type of figures: figures and articles (Highway Code)



ALUMINIUM MODULAR BEND MARKERS WITH LED LIGHTS

Signs made with box-type aluminium with white led lights arranged to indicate the direction of the deviation or bend. Each sign is fitted with a control unit that controls several signs in cascade; the markers must be connected to each other by a connecting cable (specify the cable length when placing the order).
 The supply voltage is 12 V.d.c., provided through electric or public mains transformers or photovoltaic power supply kits.

Type of material: aluminium
Type of films: superior micro-prismatic class 2 reflecting
Type of measurements: sign normal side 600mm., large side 900mm.
Type of figures: figures and articles (Highway Code)



| CODE | DESCRIPTION |
|-----------|--|
| 432432003 | Modular bend marker alum. 600x600 mm. fig. 395 |
| 432432004 | Modular bend marker alum. 900x900 mm. fig. 395 |

| CODE | DESCRIPTION |
|-----------|--|
| 432432001 | Modular bend marker alum. 600x600 mm. fig. 468 |
| 432432002 | Modular bend marker alum. 900x900 mm. fig. 468 |

LUMINOUS PILLAR WITH REGULATION SIGN

Luminous pillar with steady yellow light in Ø 200 mm. acrylic tube, ht 760 mm, Ø 600 luminous disc, voltage must be specified as 12 V or 220 V with transformer



| CODE | DESCRIPTION |
|-----------|--|
| 406100623 | Luminous pillar with steady led light + Ø 60 disc 220 Va.c. power supply |
| 406100622 | Luminous pillar with steady led light + Ø 60 disc 12V power supply |
| 406100602 | Luminous pillar with steady led light 12V power supply |
| 406100612 | Luminous pillar with steady led light 220 Va.c. power supply |

SPECIAL LUMINOUS OBSTACLE MARKER

Special luminous obstacle marker with alternate flashing, built with flanged and reinforced aluminium, measuring 400x 500 mm. entirely reflective cl. 2. Disc made with CG10 material, Ø 400 or 600 mm. cl. 2 with perimeter led lights, Ø 100 mm. multiled lamp L2H approved, or Ø 200 mm M200 lamp. L8H approved, 10 Watt photovoltaic kit or 15 Watt mains power supply unit or public mains.



| CODE | DESCRIPTION |
|-----------|---|
| 435435000 | Transformer 230 Va.c. - 12 Vd.c. - 15 Watt |
| 435435025 | Transformer 230 Va.c. - 12 Vd.c. - 15 Watt - 7Ah buffer battery |
| 811405022 | Obstacle marker 40x50 two-sided Cl. 2 |
| 436430000 | "CG10" Ø 40 disc Cl. 2 with led lighting |
| 436420300 | "CG10" Ø 60 disc Cl. 2 with led lighting |
| 434434102 | Multiled 100 flashing beacon |
| 434434217 | M200 LED flashing beacon |
| 435435021 | 5 Watt Photovoltaic Kit |
| 435435009 | 10 Watt Photovoltaic Kit |
| 435435002 | 20 Watt Photovoltaic Kit |
| 430229076 | 100 / 200 / 300 lamp bracket kit for Ø 48 or 60 poles |

SPECIAL LUMINOUS OBSTACLE PILLAR

Special luminous obstacle pillar with alternate flashing, built with impact-resistant resin composite tube Ø 200 mm., height 760 mm., entirely reflective yellow cl.2, disc made with "CG10" material Ø 400 or 600 mm. cl.2 with perimeter led lights, Ø 100 mm. multiled lamp L2H approved, or Ø 200 mm. lamp M200 L8H approved, 10 Watt photovoltaic kit or 15 Watt mains power supply unit or public mains, galvanised zinc base, 4 anchoring holes.



cod. 712700029

cod. 712700030

| CODE | DESCRIPTION |
|-----------|--|
| 712700029 | Special obstacle pillar Ø 200 height 760 mm. made with resin, with pole and base |
| 712700030 | Special obstacle pillar Ø 200 height 760 mm. made with resin, with pole and base |

N.B.: for signs, lamps and power supply, see above



SPECIAL LUMINOUS OBSTACLE MARKER FOR “ROUNDABOUTS”

Special luminous obstacle marker built with Ø 400 mm. impact-resistant resin composite tube, height 400 mm. fig. 84 Highway Code cl.2, yellow reflective strip height 500 mm. cl.2, 3 flashing multiled 100 lamps, L2H approved, powered with 5 Watt photovoltaic kit or 15 Watt mains power supply unit, galvanised steel base, 4 anchoring holes.

| CODE | DESCRIPTION |
|-----------|---|
| 436436020 | Special luminous obstacle marker for roundabouts with photovoltaic-powered 100 lamp |
| 436436021 | Special luminous obstacle marker for roundabouts with electric mains-powered 100 lamp |
| 436436022 | Special luminous obstacle marker for roundabouts with public mains-powered 100 lamp |
| 436436038 | Column for roundabouts and obstacles, equipped with warning lamps 100 mm, power supply 12 volts |



SPECIAL LUMINOUS OBSTACLE MARKER

Special luminous obstacle marker built with Ø 400 mm. impact-resistant resin composite tube, height 1500 mm. applied disc Ø 60 mm. fig.82 or fig. 83 or 84 Highway Code cl.2, semi-circumference 400x500 mm. yellow reflective strip cl.2, flashing M200 lamp, L8H approved, powered with 5 Watt photovoltaic kit or 15 Watt mains power supply unit, galvanised steel base, 4 anchoring holes.

| CODE | DESCRIPTION |
|-----------|---|
| 436436023 | Special obstacle marker Ø 400 with lamp. M200 photovoltaic |
| 436436024 | Special obstacle marker Ø 400 with M200 lamp. power supply from electric mains |
| 436436025 | Special obstacle marker Ø 400 with M200 lamp. power supply from public mains |
| 436436039 | Column for roundabouts and obstacles, diam. 400 mm equipped with warning lamp M200, power supply 12 volts |



SPECIAL “TWO-SIGN” LUMINOUS OBSTACLE MARKER

Special luminous obstacle pillar built with impact-resistant resin composite tube Ø 400 mm., height 900 mm., semi-circumference 400x500 mm. cl.2 yellow reflective, 2 CG10 discs Ø 400 mm. fig. 47 and 82b Highway Code cl.2 with flashing perimeter led lights, flashing M200 lamp L8H approved, powered by 5 Watt photovoltaic kit or 15 Watt mains power supply unit, Y-support, galvanised steel base, 4 anchoring holes.

| CODE | DESCRIPTION |
|-----------|---|
| 436436026 | Special two-sign obstacle marker with photovoltaic M200 lamp |
| 436436027 | Special two-sign luminous obstacle marker with M200 lamp powered by electric mains |
| 436436028 | Special two-sign luminous obstacle marker with M200 lamp powered by public mains |
| 436436040 | Column for roundabouts and obstacles, equipped with two road signs and warning lamp 200 mm, power supply 12 volts |

Different configurations are available on request

NEW SPECIAL OBSTACLE MARKERS

Made with fibreglass, with button fittings for PVC pole mm. 60x60 with slots. The assembly is much less dangerous than classic metal markers installed on poles. The system is available in the base version with Ø 400 mm. or Ø 600 mm. disc with cl. 2 superior micro-prismatic film and in the luminous versions with CG10 discs with perimeter led lights and/or M200 lamp L8H approved.

The luminous versions include the photovoltaic power supply kit, option of installation on pre-existing poles.



350x1200 mm. disc Ø 400 refl. cl.2S fig. 82 or 83 Highway Code PVC pole mm.60x60x2000



350x1430 mm. with M200 lamp photovoltaic panel disc Ø 400 refl. cl.2S fig. 82 or 83 Highway Code PVC pole 60x60x2000



350x1200 mm. disc Ø 400 luminous fig. 82 or 83 Highway Code photovoltaic panel PVC pole mm.60x60x2000



350x1430 mm. with M200 lamp photovoltaic panel disc Ø 400 refl. cl.2S fig. 82 or 83 Highway Code PVC pole 60x60x2000



available in various models and Highway Code applications



350x1400 mm. disc Ø 600 refl. cl.2S fig. 82 or 83 Highway Code PVC pole mm.60x60x2000



350x1660 mm. with M200 lamp photovoltaic panel disc Ø 600 refl. cl.2S fig. 82 or 83 Highway Code PVC pole 60x60x2300



350x1400 mm. disc Ø 600 luminous fig. 82 or 83 Highway Code photovoltaic panel PVC pole 60x60x2000



350x1660 mm. with M200 lamp photovoltaic panel disc Ø luminous fig. 82 or 83 Highway Code PVC pole 60x60x2000



available in various models and Highway Code applications

| CODE | DESCRIPTION |
|-----------|---|
| 436436030 | Fibreglass sign 350x1200mm. Ø 400 disc cl.2S refl. fig. 82-83 PVC pole 60x60x2000 mm. |
| 436436031 | Fibreglass sign 350x1430mm. with M200 lamp photovoltaic panel disc Ø 400 refl. cl.2S fig. 82 or 83 Highway Code PVC pole 60x60x2000 |
| 436436032 | Fibreglass sign 350x1200mm. disc Ø 400 luminous fig. 82 -83 Highway Code photovoltaic panel PVC pole 60x60x2000 mm. |
| 436436033 | Fibreglass sign 350x1430mm. with M200 lamp photovoltaic panel disc Ø 400 cl.2S refl. fig. 82 or 83 Highway Code PVC pole 60x60x2000 |

| CODE | DESCRIPTION |
|-----------|--|
| 436436034 | Fibreglass sign 350x1400mm. Ø 600 disc cl.2S refl. fig. 82-83 Highway Code PVC pole 60x60x2000mm. |
| 436436035 | Fibreglass sign 350x1660mm. with M200 lamp photovoltaic panel cl.2S refl. Ø 600 disc Highway Code fig. 82-83 PVC pole 60x60x2300 |
| 436436036 | Fibreglass sign 350x1200mm. luminous Ø 600 disc Highway Code fig. 82 or 83 photovoltaic panel PVC pole 60x60x2000 mm. |
| 436436037 | Fibreglass sign 350x1660 mm. with M200 lamp photovoltaic panel cl.2S refl. Ø 600 disc Highway Code fig. 82 or 83 PVC pole 60x60x2000 |

Different configurations are available on request



EN STANDARD COMPLIANT AND CERTIFIED

**HUMPS FOR SPEED
MODERATION MAX KM 50/HOURS**

Speed humps are produced through warm injection moulding starting from a polymeric matrix made of recycled PVC with the addition of plasticizer. Male and female sections that can be aligned to desired length. Mid section is black, no skid, with 5 inserts of yellow reflective soft elastic plastic material. Designed to moderate car's speed (car traveling at Max 50Km/hours). Size H 3cmx48x60 with 4 fixing holes (fixing anchor screws set are not inclusive).

FIG. 474-A



**TERMINAL SECTION
FOR SPEED HUMP KM 50/HOURS**

Manufactured starting from a polymeric matrix made of Recycled PVC with the addition of plasticizer, designed to be conjunct with it's mid section to terminate the speed moderation area, also no-skid, size H 3 cmx24x60

m) male
f) female

FIG. 474-AT



EN STANDARD COMPLIANT AND CERTIFIED

**HUMPS FOR SPEED
MODERATION MAX KM 40/HOURS**

Speed humps are produced through warm injection moulding starting from a polymeric matrix made of recycled PVC with the addition of plasticizer. Male and female sections that can be aligned to desired length. Mid section is black, no skid, with 5 inserts of yellow reflective soft elastic plastic material. Designed to moderate car's speed (car traveling at Max 40Km/hours). Size H 5cmx50x90 with 5 fixing holes (fixing anchor screws set are not inclusive).

FIG. 474-B



**TERMINAL SECTION
FOR SPEED HUMP KM 40/HOURS**

Manufactured starting from a polymeric matrix made of Recycled PVC with the addition of plasticizer, designed to be conjunct with it's mid section to terminate the speed moderation area, also no-skid, size H 5 cmx27x90

m) male
f) female

FIG. 474-BT



EN STANDARD COMPLIANT AND CERTIFIED

**HUMPS FOR SPEED
MODERATION MAX KM 30/HOURS**

Speed humps are produced through warm injection moulding starting from a polymeric matrix made of recycled PVC with the addition of plasticizer. Male and female sections that can be aligned to desired length. Mid section is black, no skid, with 4 inserts of yellow reflective soft elastic plastic material. Designed to moderate car's speed (car traveling at Max 30Km/hours). Size H 7cmx50x60 with 4 fixing holes (fixing anchor screws set are not inclusive)

FIG. 474-C



**TERMINAL SECTION
FOR SPEED HUMP KM 30/HOURS**

Manufactured starting from a polymeric matrix made of Recycled PVC with the addition of plasticizer, designed to be conjunct with it's mid section to terminate the speed moderation area, also no-skid, size H 7 cmx30x60

m) male
f) female

FIG. 474-CT



FIXING ANCHOR SCREWS KIT

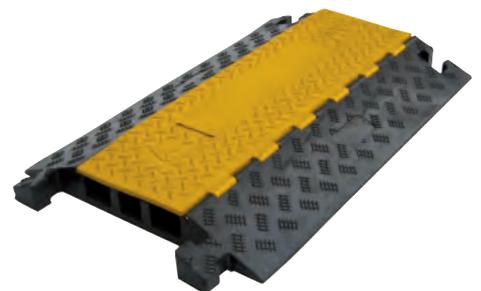
The fixing anchor sets strictly necessary for the approved humps, will be delivered and invoiced together with the single modules purchased.

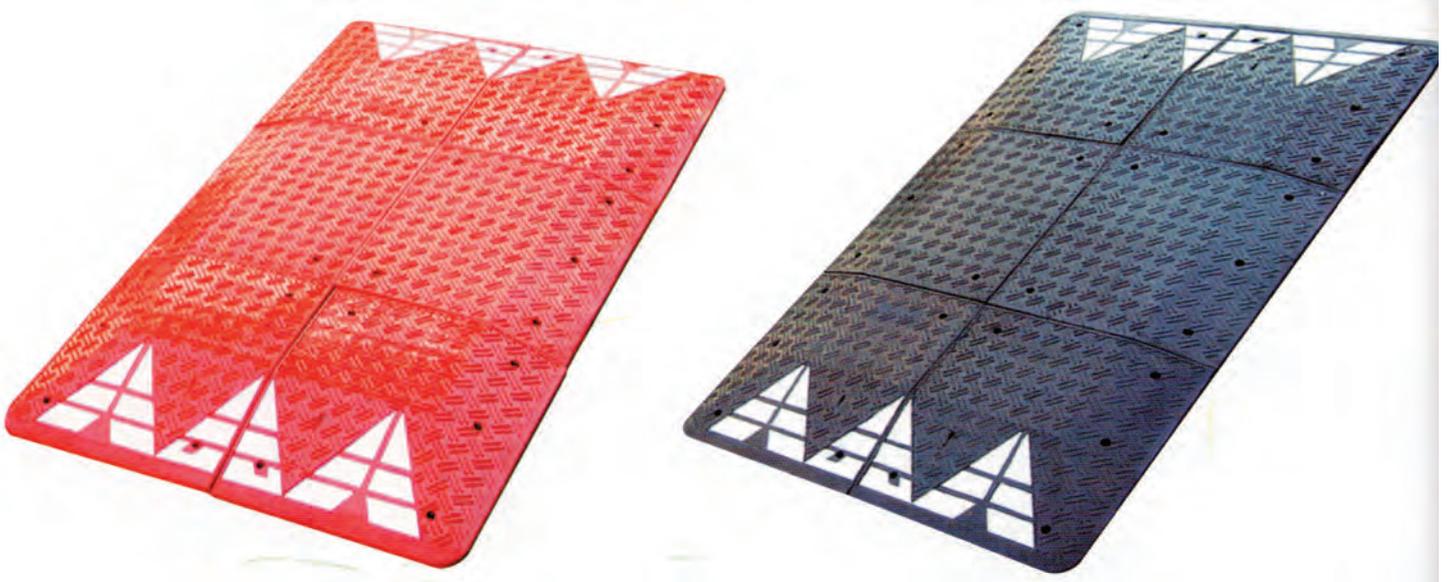
FIG. 474

CABLE HUMP CROSSING TYPE

Made of Natural rubber mix, vulcanized, elastic and with high resistance, with 3 channelized inserts for putting the cables, of which 2 at dimensions of mm50x65 and one mm 50x55 for other type of cables such as constructions sites or working zones. The fixing to the ground is extremely simple by posing the hump to the ground, they have junction points. The cables are protected by means of a 'door' made of rubber or pvc that perfectly closes the hump with the cable underneath. Sizes H 7,5 cmx90x58

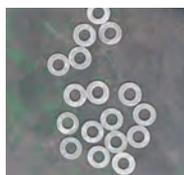
FIG. 2910





Recycled vulcanized rubber Berlinoise Ramps cushions with reflective pvc elasto plastic sheets to increase visibility
 We provide all Bolts and accessories to instal them on the road.
 Color available RED and BLACK, the Red blocks are made with red rubber with superior anti U.V. resistance.
 All systems are carefully packed and delivered in wooden cranes with shipping markings.

Dimensions:
 225cm(L) x 180cm(W) x 6.5cm (H) 6 blocks,
 sides blocks and mid blocks size 75cm x 90cm
 also available with different dimensions (by adding blocks) e.g.
 300cm(L) x 180cm (W) x 6.5cm (H)



CAR PARK'S WHEEL STOPPER

Wheel stop for outdoor / indoor parking Lot.

Made out of recycled materials, new composites that not only give higher performance, resistance, but are also environmentally much more friendly than previously used materials.

with high visibility PCV elasto plastic sheets or reflective foils.



Dimensions:

2000mm(L) x 150mm(W) x 100mm (H);

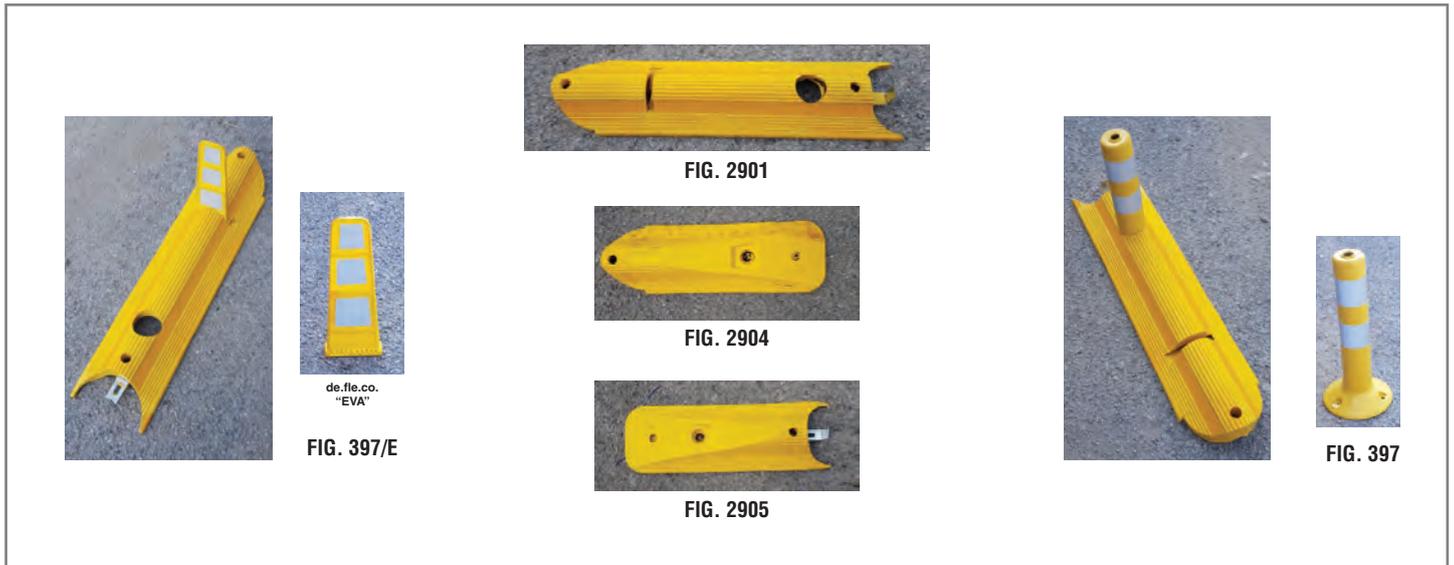
1830mm(L) x 150mm(W) x100mm (H);

1650mm(L) x 150mm(W) x100mm (H);

900mm(L) x 150mm(W) x100mm (H);

550mm(L) x 150mm(W) x100mm (H);




DELINEATOR FOR RESERVED LANE

Made of Natural rubber mix SBR, virgin rubber, yellow colour, made to be gasoline resistant, oils resistant, grease resistant. Dimensions: mm 1000x250x100 (H) with a very solid fixing system male and female insertions, semi-circular, with a metal hook for best connection of elements, with a top hole of the Ø 45mm for eventual insertion of a glass cat eye 'diamond' type, tailor made slot and insertion hole for a 45 or 80cm PU or EVA, rubber cylinder post with reflective sheets, and, a slot for the insertion of a EVA delineator, both, either the Cylinder Post or EVA delineator can be cross over type only in case of a necessary cross.

- Fig. 2904 terminal male mm 750x250x100
- Fig. 2905 terminal female mm 750x250x100
- Fig. 397/E De.fle.co. of EVA reflective cl.2

FIG. 2901


- Fig. 2900 delineator mm 1000x155x50
- Fig. 2903 terminal male mm 400x155x50
- Fig. 2902 terminal female mm 400x155x50


JOLLY KERB

The Jolly Kerb is produced through warm injection moulding starting from a polymeric matrix made of recycled PVC with the addition of plasticizer.

- Size: cm. 52x14,5xh17 (1 meter = 2,5 pieces)
- Weight: Kg 5,950
- Colours: Black - Yellow - White





CONE 54

Made of natural rubber mix, red coated, 54 cm high, white reflective bands H.I. class 2, black base, 2.4 kg weight,

EN STANDARD COMPLIANT AND CERTIFIED

(pr/EN 13422 ed. 98 Tab 3)

FIG. 398/A



NON-TILTING HIGH STABILITY CONE 54

Made of natural rubber mix, red coated, 54 cm high, white reflective bands H.I. class 2, octagonal loaded black base, 4.1 kg weight,

EN STANDARD COMPLIANT AND CERTIFIED

(pr/EN 13422 ed. 98 Tab 3)

FIG. 399



CONE 50

Made of natural rubber mix, red coated, 50 cm high, white reflective bands H.I. class 2, square black base, 1.8 kg weight

FIG. 396/B



CONE 30

Made of natural rubber mix, red coated, 30 cm high, white reflective bands H.I. class 2, square black base, 0.800 kg weight

FIG. 396/D



CONE 75

Made of natural rubber mix, red coated, 75 cm high, white reflective bands H.I. class 2, square black base, 7 kg weight,

EN STANDARD COMPLIANT AND CERTIFIED

BS EN 13422-2004

FIG. 396/F

PVC TRAFFIC CONES

Completely made of Virgin PVC resin material, extremely flexible can tolerate car's press and small trucks. It also bears the property of high resistance as it won't break when struck by very hard objects or vehicles. The PVC resins material are carefully mixed with high quality pigments, fluorescent pigments, anti U.V. additives thus enabling sun-proof, heat and cold resistance, colorfast. With High Intensity FLEXIBLE Class 2 reflective sheet, DIFFERENT REFLECTIVE SHEET can be applied upon request such as Class 1.



FIG. 396/H
CONE 70 E.U.



FIG. 699/34
CONE 45 E.U.



FIG. 396/G
CONE 75 U.K.

BUENA VISTA ITALY

Buena Vista Italy mirrors are manufactured with high quality materials that allow high efficiency and cost effectiveness. UV resistance high mirrors capacity, Sunscreen, gasket. Ad Hoc design and quality materials allows our mirrors to be utilized for Outdoors, it's light weight makes it easy to handle and instal. The lens, back material, the gasket, brackets, and the overall making of our product is designed to also suit areas with higher risk of vandalism.

Available dimensions:

Ø 450 mm

Ø 600 mm

Ø 800 mm



“CG10”: SIGNS OF INNOVATION (MADE IN ITALY)

The “CG10” is an innovative product, a new line of road signs supports in composite material. The CG10 represent the alternative to the standard metallic signs. With CG10 no more rust or oxidations, moreover the flexibility of the polymeric resins is a good solution against the vandalism, giving a longer life to the road signs. The CG10 is manufactured in compliance with the norm EN 12899.



Available in any size or shape



Fire-proof and self-extinguishing



Crushproof



Guaranteed



Extremely light and easy to handle



No painting necessary



Maintenance free



Well-priced



Heat and cold resistant



Very high-strength mechanical resistance



Recyclable



Certified, tested in laboratories and institutes recognised by the Ministry



Dielectric and insulating



Sea mist and rust proof



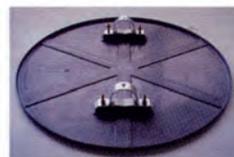
Interchangeable with poles already in use



Product manufactured in compliance with the norm EN 12899.



High mechanical resistance don't remain permanently deformed



**New road sign support
Material Composite
CG10 Guaranteed 10 years
in compliance with
the norm EN 12899.**



“CG10”: NEW SIGN SUPPORTS IN COMPOSITE MATERIAL

“CG10” is a composite material with **10 years guarantee**, made to hot press thermosetting resins reinforced with glass fibre.

Other components may be added to give specific technical properties.

The road signs **do not need to be painted** and are **resistant to exogenous agents** (e.g. water, industrial smog, petrol and solvents, acid rain, salt deposit).



At the service of safety

3G ITALIA is thinking, creative design and realisation, quality and research. For this reason we never stop experimenting with new solutions.

Being at the forefront means investing in research.

3G ITALIA constantly tests new materials and technologies: our research today, will be at your service tomorrow.



A mindset and a business culture

Our production processes are able to meet, through the latest technology, the needs of an increasingly selective market. We carefully follow every step of the production cycle to ensure the reliability and safety of our products. We are convinced that quality is synonymous with careful processing and constant checks.

AS A TEAM WITH OUR CUSTOMERS

The keystone of our business is the great skill of our human resources. The real added value that we offer our customers.

Only the strength of a team can ensure reaching ambitious objectives such as high quality and customising our offer, lowering costs, technical innovation, operational flexibility and prompt action.

This is why **3G ITALIA** and **Giotto Group** can count on:

- a network of sales collaborators to help customers before and after the sale
- a team of people dedicated to customer assistance
- a technical staff for specific consultations, the drawing and the design of special articles;
- a quality department that guarantees the compliance of products with the required ministerial standards, European standards and the efficiency of the control systems.



TOGETHER TO WIN

- We are a group of individuals who are passionate about their work and determined to constantly improve, alongside our customers.
- Whether you operate in a multinational group, in a community or a small organisation, whether it is a private or public establishment, **3G ITALIA** and **Giotto Group** always offers the most suitable solution for your road safety organisation and management issues.

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