

# Horizontal and Vertical Road Markings



To complete Sibestar's overall package for road safety, beyond assistance and installation, we produce horizontal and vertical road signs and markings (design and installation of road signs and horizontal markings) selling products all conforming to D.P.R. (Presidential Decree) 495 of 16/12/1992 and subsequent amendments. Sibestar holds the product certificate for vertical signage.

## SIBESTAR S.r.l.



**SIBESTAR** S.r.l.

SIBESTAR.IT

Horizontal road markers

# TWO-PACK PAINT



**SIBESTAR** S.r.l.

Horizontal road markers

# TWO-PACK PAINT

## SIBESTAR<sup>S.r.l.</sup>

Two-pack solvent-free paint based on metacrylic resins. Suitable for painting coloured pedestrian crossings, directional arrows, stop lines, rumble strips etc.



Horizontal road markings

# PREFORMED THERMOPLASTIC MARKINGS FOR PEDESTRIAN CROSSINGS



**SIBESTAR** S.r.l.

## Horizontal road markings

# PREFORMED THERMOPLASTIC MARKINGS FOR PEDESTRIAN CROSSINGS



## SIBESTAR<sup>S.r.l.</sup>

Widely used for constructing pedestrian (zebra) crossings. The combination of good anti-skid properties and reflectiveness makes this product particularly adapted for making safe zebra crossings.

The white preformed thermoplastic contains glass microspheres which guarantee good reflectiveness: this is a primary requirement for safety and for improving driving conditions at night. The microspheres are distributed uniformly on the surface of the products and through its 3 mm thickness.

The result of this technology guarantees a good reflectivity for the entire life of the product.

This product does not release any substances which could be harmful for the environment, neither during nor after its laying and not even when it is removed. The pigments are organic and do not contain lead or other heavy metals.

Vertical road signs

# TRADITIONAL VERTICAL SIGNS



**SIBESTAR** S.r.l.

Vertical road signs

# TRADITIONAL VERTICAL SIGNS

## SIBESTAR S.r.l.



We make road signs complying with the new Italian Highway Code, signs for construction sites and made-to-order signs. We have a Ministerial Authorization to produce them and the Product Certification. We study and use the best materials available, executing tests of artificial aging, resistance to breakage, etc.



Stop con luce rossa accesa, uscita carrel  
Stop when the red light is turned on, forklifts  
Stop when mit licht wurde rot, ausfahrt Gabels

*Vertical road signs*

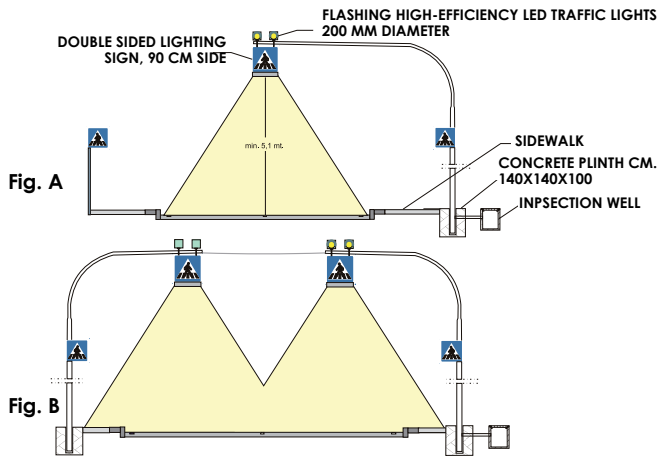
# DOUBLE-SIDED LIGHTING TRAFFIC SIGNS



**SIBESTAR** S.r.l.

# Vertical road signs

## DOUBLE-SIDED LIGHTING TRAFFIC SIGNS



## SIBESTAR S.p.A.

### TECHNICAL CHARACTERISTICS OF LIGHTING SIGNS

- Construction: internally lit sign with a transparent face, single and double sided versions available. The faces are interchangeable.
- Fixings: metal - galvanised for suspended signs, on poles, "flag";
- Body: made of anodised aluminium alloy extrusions, treated to resist atmospheric attack;
- Faces: 3mm thick for signs up to 90cmx90cm, 5mm for larger signs.
- Dimensions: we can make all the signs provided for by art. 80 of the Italian Highway Code; we mainly make fig. 303 "pedestrian crossing" with external dimensions 64cmx64cm and/or 94cmx94cm, 15cm depth for basic model CLB150, and 20cm depth for model CLB200.
- Symbols: are decorated on the outer part of the sign face. In particular conditions for which the sign must be refracting, even when it is not lighting to a fault or a power outage, a special refracting film can be added on the face to transmit and diffuse light. In case of blackout the light for refraction is provided by the lights of vehicles approaching the sign (version CLxxxR).
- Electrical system: is made of high class CE and IMQ materials supplied by ISO 900x certified companies.
- Electrical connection: the connectors are supplied with selectable phase, fuse, neutral and

earth.

- Protection level: IP23 resistance to penetration by external objects, dust and water; the CLS200X version has an electrical system rated IP 55.
- Insulation class: simple insulation system, class "I" (CLS200 double insulation)

### TECHNICAL CHARACTERISTICS OF COMPONENTS

- Body: central section in hot-extruded aluminium, oxidized, with ends in pressed low-copper aluminium and painted aluminium grey RAL 9006.
- Reflectors: hammered polished and oxidized aluminium.
- Glass: security, tempered, thickness 4 mm; remains hinged to body during maintenance.
- Clips for closing glass: extruded aluminium with stainless steel springs AISI 302.
- Seals: silicon
- Screws: external, stainless steel;
- Electrical system: 55W low-pressure sodium lamp, 230V/50Hz cos  $\phi \geq 0.9$  power supply with earth, ceramic fuse with blow-out powder, silicon cables, 1 mm<sup>2</sup> glass fibre braid. The connector plate is easily accessible, without tools, after switching power supply off. During maintenance the plate hangs from the body and can be easily removed.
- Protection level: IP 65 resistance to penetration by external objects, dust and water.
- Insulation class: insulation system class "I" or "II" SAP 150 W.

*Vertical road signs*

# LIGHTING TRAFFIC SIGNS POWERED BY SOLAR CELL PANELS



**SIBESTAR** S.r.l.

Vertical road signs

# LIGHTING TRAFFIC SIGNS POWERED BY SOLAR CELL PANELS



## SIBESTAR S.r.l.

### TECHNICAL CHARACTERISTICS:

- Construction: internally lit sign with a transparent face, single and double sided versions available. The faces are interchangeable.
- Fixings: metal - galvanised for suspended signs, on poles, "flag";
- Body: made of anodised aluminium alloy extrusions, treated to resist atmospheric attack;
- Fronts: 3mm thick for signs up to 90cmx90cm, 5mm for larger signs.
- Dimensions: we can make all the signs provided for by art. 80 of the Italian Highway Code; we mainly make fig. 303 "pedestrian crossing" with external dimensions 64cmx64cm (MOD CLL 60) and/or 94cmx94cm (MOD CLL 90), 15cm
- Symbols: decorations on the outer part of the sign face. In particular conditions for which the sign must be refracting, even when it is not lighting due to a fault or a power outage, a special refracting film can be added on the front to transmit and diffuse light. In case of blackout the light for refraction is provided by the lights of vehicles approaching the sign (version CLxxxxR).
- Cabling: 12V dc power supply (class =), 1mm<sup>2</sup> flexible cable. IDEAL FOR SUPPLY WITH SOLAR CELL PANELS
- Signal protection degree: IP 23.
- Electrical system protection degree IP55
- Insulation class: double insulation system, class "II"
- Electrical components: mod: CLL 60 (cm 60x60) 120 white high efficiency 12W LEDs, mod. CLL 90 200 white high efficiency 20W LEDs.

Vertical traffic signs

# SIGNS FOR URBAN AREAS



**SIBESTAR** S.r.l.

Vertical traffic signs

## SIGNS FOR URBAN AREAS

**SIBESTAR** S.r.l.

Made of aluminium. The edges of the signs are reinforced with extruded edging. Elliptical aluminium alloy supports.



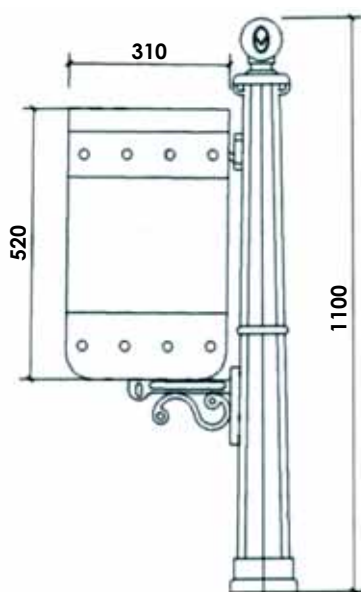


**SIBESTAR** S.r.l.

SIBESTAR.IT

Vertical Road Signs

# CAST IRON-STEEL LITTER BINS



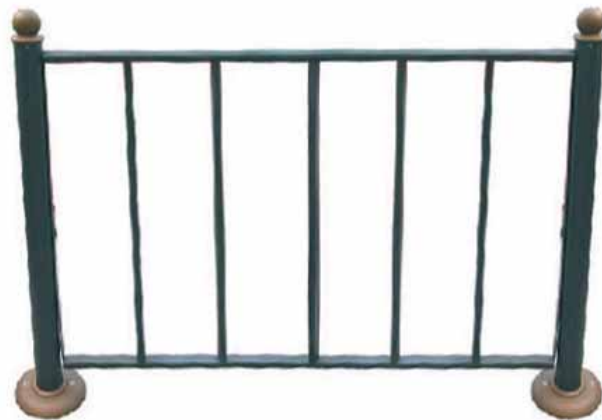
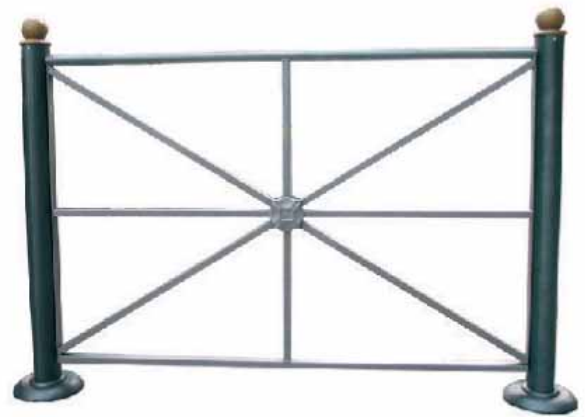
**SIBESTAR** S.r.l.

**SIBESTAR** S.r.l.

SIBESTAR.IT

Vertical Road Signs

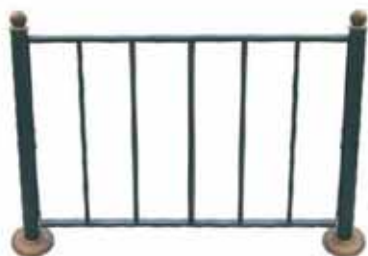
# PAINTED PEDESTRIAN BARRIERS



**SIBESTAR** S.r.l.

Vertical Road Signs

# PAINTED PEDESTRIAN BARRIERS



**SIBESTAR** S.r.l.

Made of aluminium sections painted with epoxy powders for a longer life. Colours to order.

Vertical Road Signs

# CAST IRON AND WOOD BENCHES



**Berlin Bench**



**Zurich Bench**



**Paris Bench**

**SIBESTAR** S.r.l.

**SIBESTAR** S.r.l.

SIBESTAR.IT

*Vertical Road Signs*  
**SOLAR SYSTEM LIGHT**



**SIBESTAR** S.r.l.

Vertical Road Signs  
**SOLAR SYSTEM LIGHT**

**SIBESTAR** S.r.l.



With its low weight, small dimensions and easy installation, this warning sign is well-suited for warning of a hazard or for limited visibility, including locations which are not reached by the mains electrical supply.

The sign is made up of a solar cell panel, a battery, a circuit board to control the battery charging/discharging, night-time sensor, high-intensity LED, projector system, sealed battery case, fittings for fixing to 60mm pole.

*Vertical Road Signs*  
**LED EDGE LIT SIGNS**



**SIBESTAR** S.r.l.

# Vertical Road Signs

## LED EDGE LIT SIGNS

**SIBESTAR** S.r.l.



Aluminium box sign with LED edges. LEDs are available in white, amber or red. Possibility of 220 V or solar panel supply. Available for night operation only or all day through. Sequenced flashing for road curve markers, for ice warning with temperature sensors or with anemometer sensor at tunnels' exits.



*Vertical Road Signs*

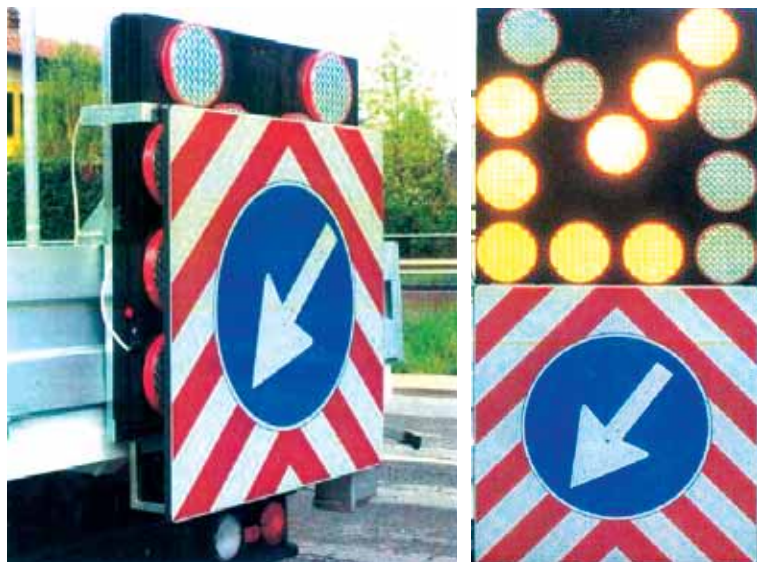
# LIGHTING SIGNS FOR CONSTRUCTION SITES



**SIBESTAR** S.r.l.

## Vertical Road Signs

# LIGHTING SIGNS FOR CONSTRUCTION SITES



## SIBESTAR<sup>S.r.l.</sup>

Arrow with 13 LED spot lights – ø 20 cm. EN12352 certified. Cass L8H. 12 V power supply. Night-time brightness reduction for a greater energy saving, very low consumption, operation with right, left or cross arrow.

Wire or wireless sequential LED or halogen signs. Battery or 220V supply. Possibility of switching-on at dusk.

Portable battery lamp with LED light. Battery life 700 hours approx, with or without battery charger. Can be synchronised for sequential lighting. Recommended for emergencies.

Vertical Road Signs  
**ROAD MARKERS**



**SIBESTAR** S.r.l.

# Vertical Road Signs

## ROAD MARKERS

### SIBESTAR S.r.l.

#### ROAD MARKERS WITH SOLAR CHARGED LEDS

High efficiency LEDs provide white or yellow light.

Chargeable with day sunlight through special batteries. During night they are operated by a dusk switch.

Solare Top 24 : patch fixing, not drivable-over.

Solar Top 20: fixed by inserting the stem into the drivable road surface.

Solar Ground is installed by means of special lens with a 2mm drivable-over projection.



#### REFLECTING ROAD MARKERS

Reflects head-lights, show up white or yellow.

tempered glass diam. 5 cm

tempered glass diam. 10 cm

metacrylate diam. 10x10 cm



Vertical Road Signs

# MAXIMUM HEIGHT LIMIT ARCH

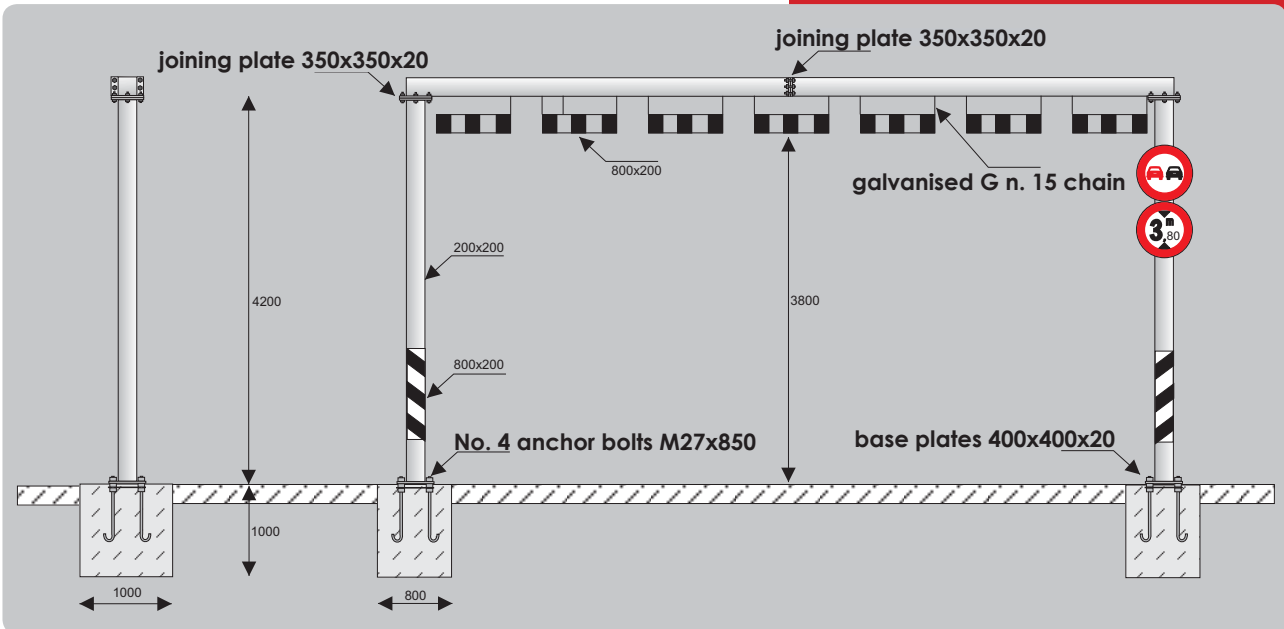


**SIBESTAR** S.r.l.

## Vertical Road Signs

# MAXIMUM HEIGHT LIMIT ARCH

**SIBESTAR** S.r.l.



Custom made in galvanised steel or aluminium. Possibility to vary width of upper arm.

Vertical Road Signs  
**WOODEN FLOWER POT AND SIGN**



**SIBESTAR** S.r.l.

Vertical Road Signs

## WOODEN FLOWER POT AND SIGN

**SIBESTAR** S.r.l.

Treated-wood flower pot and sign 150 cm wide X 80 cm deep X 230 cm high.  
The base measures 145 X 80 X 45.  
On request wheels, lighting signs, traffic lights.



*Vertical Road Signs*  
**SOLAR CHARGE  
FLASHING SIGNS**



Made up of a solar cell panel, batteries, flasher card and approved 20 diam. flashing lights

**SIBESTAR** S.r.l.

**SIBESTAR** S.r.l.

SIBESTAR.IT

# Vertical Road Signs ADVERTISING SIGNS



# Vertical Road Signs

## ADVERTISING SIGNS

# SIBESTAR S.r.l.

In addition to traditional signs, Sibestar has and makes various types of signs for elegant advertising.



# DIGITAL PRINTING



**SIBESTAR** S.r.l.

# DIGITAL PRINTING

## SIBESTAR S.r.l.

Sibestar can print directly on:

- Adhesive films;
- Refracting surfaces;
- Fabrics;
- PVC banners;
- Paper;

For such printing, Sibestar uses ecosolvent inks, suitable for use both indoor and outdoor.

