



URBAN ROAD SAFETY

Road safety solutions



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SAFE X ONE

Intelligent safety system for pedestrian crossings

Smart light. Safer streets

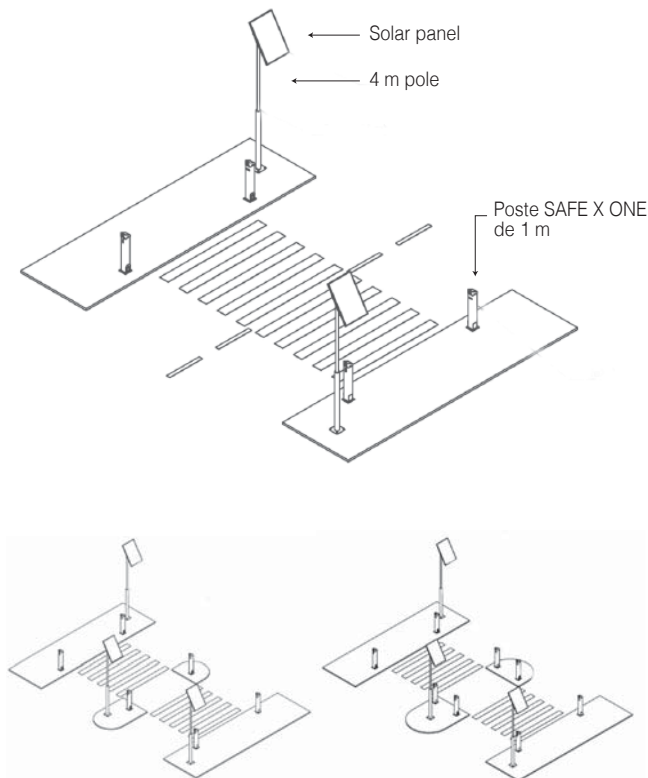
Every step, visible.

SAFE X ONE

The system consists of 4 metal posts installed at the corners of pedestrian crossings.

How **SAFE X ONE** works, in 3 steps:

- **Detects** – When a person approaches the pedestrian crossing, the sensors detect them automatically.
- **Alerts** – A yellow light switches on at the top of the post, warning approaching vehicles that someone is about to cross so they can slow down.
- **Protects** – Two additional lights switch on automatically: one before the crossing point, illuminating the ground to alert a distracted pedestrian that they are entering the crossing zone; and another laser light that illuminates the feet of pedestrians as they cross, greatly improving their visibility.



The system is especially effective in low-visibility areas and locations with a high accident rate.

Unlike permanent signage systems, **SAFE-X-ONE** only activates when needed, preventing drivers from growing used to the signal and losing attention.

- **Smart detection**
Detects the pedestrian's intention to cross and activates the system automatically, with no button to press.
- **Dual light signal**
Yellow light on the posts to warn vehicles, and a ground laser light that illuminates the pedestrian while crossing.
- **More time to react**
Distracted drivers and pedestrians detect the risk in advance, reducing the margin for error at the crossing.

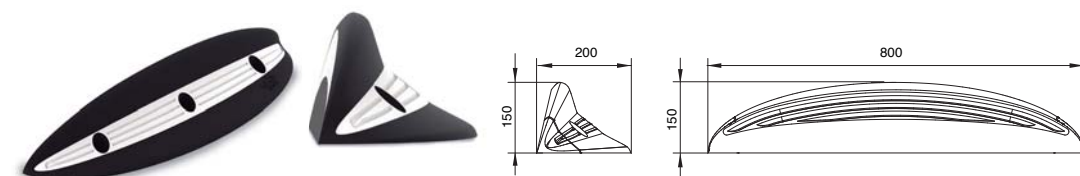
- **Flexible power supply**
Runs on solar power, direct mains connection, or a combination of both, depending on each location's needs.
- **Reduces accident rate**
Turns the pedestrian crossing into the safest point on the street — more light, fewer accidents.
- **Management and data app**
Records the number of pedestrians crossing each day and the location of every post installed across the city.



CYCLE LANE SEPARATOR

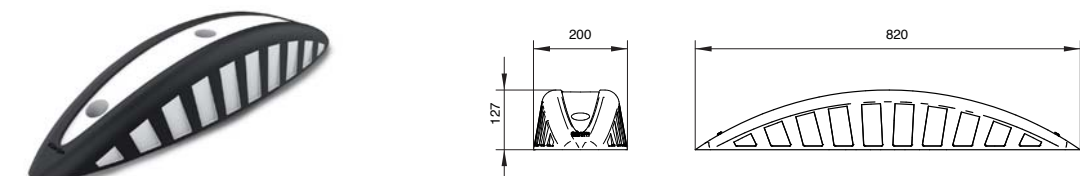


CLOSED LOOP PRODUCT
100% recycled and 100% recoverable



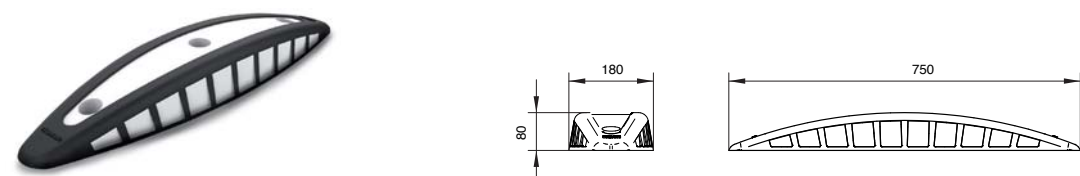
MODEL A-LEAF

Cycle lane separator with superior reflective painted, removable.
800 x 200 x 150 mm



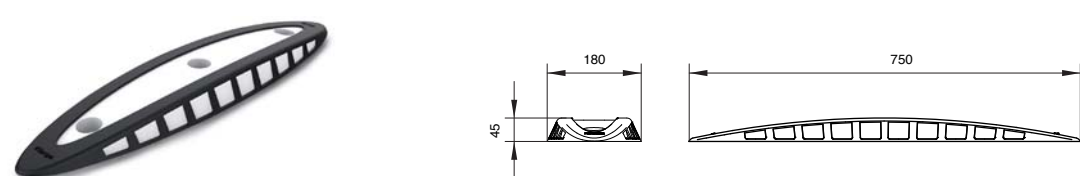
MODEL A-SKATE-G-BCN

Cycle lane separator with superior reflective painted, removable.
820 x 200 x 127 mm



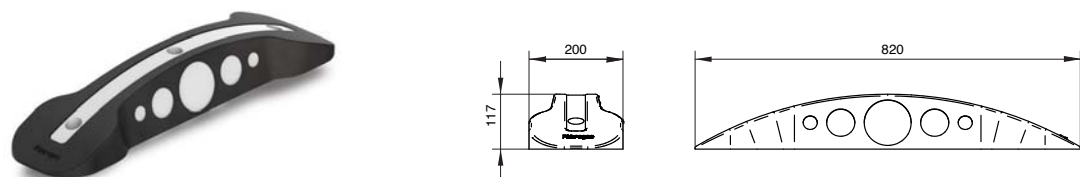
MODEL SKATE-M-BCN

Cycle lane separator with superior reflective painted, removable.
748 x 180 x 80 mm



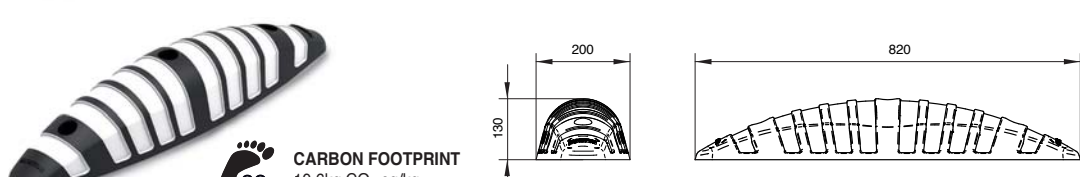
MODEL A-SKATE-P-BCN

Cycle lane separator with superior reflective painted, removable.
748 x 180 x 45 mm



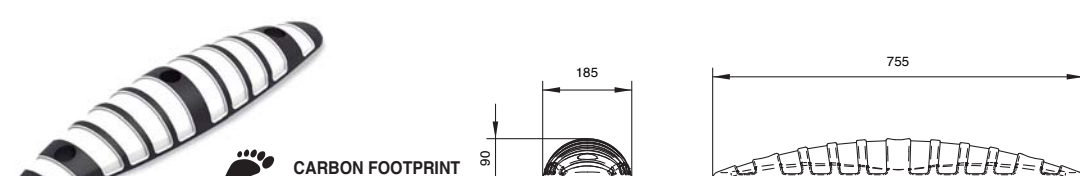
MODEL A-SKATE-G-16

Cycle lane separator with superior reflective painted, removable.
820 x 200 x 117 mm



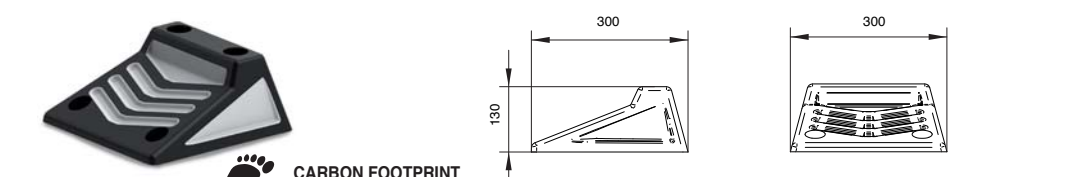
MODEL A-LOOP-G

Cycle lane separator with superior reflective painted, removable.
820 x 200 x 130 mm



MODEL A-LOOP-M

Cycle lane separator with superior reflective painted, removable.
750 x 180 x 80 mm



MODEL A-MID01-P

Cycle lane separator with superior reflective painted, removable.
300 x 300 x 125 mm



CARBON FOOTPRINT
10,6kg CO₂ eq/kg



CARBON FOOTPRINT
9,74kg CO₂ eq/kg



CARBON FOOTPRINT
10,8kg CO₂ eq/kg

EPD®
THE INTERNATIONAL EPD® SYSTEM



WITH TECHNICAL ASSISTANCE

lavola
MATERIAL
AMORTIZADO
RECICLAJE
RECUPERABLE
ECO
FRIENDLY

CYCLE LANE SEPARATOR

SKATE

ENVIRONMENTAL ADVANTAGES

With each unit we avoid emitting 10 kg aprox. CO₂ eq into the atmosphere. "Skate green" allows to further reduce the carbon footprint.

It is made with a mix of post-production and post-consumer PVC, with light organic polymers

SAFETY

Higher reflectance index, no impact angle less than 50°. Optimum separation from 1.3 to maximum 2.3 m.

DESIGN

Body with reflective areas, Low relief to prevent premature friction wastage.

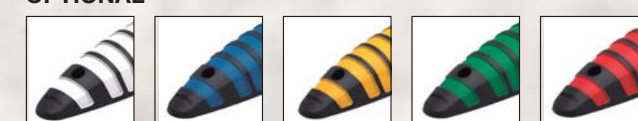
MAINTENANCE

It should be painted periodically, when the reflective paint is not visible.

OPTIONS

Template to facilitate the installation and maintenance operation. The anchor holes are concealed by plugs, inserted after installation. (Sold separately).

OPTIONAL



GUIDELISNES INSTALATION

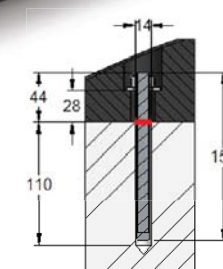
The reflective zone lies below the rail separator body to prevent premature friction wastage.

Wide and smooth surface, where the cyclist can stand the foot in a stable way, to avoid accidents.

Easy handling and installation. Made with recycled materials. Fully recyclable.

Reflective sidebars.

Ready for installation using anchoring plugs. The holes can be made without moving the lane separator.



Chemical Dowel
HILTI-HI-170 - Sika Anchorfix-1

Bolts INOX A4
HIT-V-M12x150 mm - WS 9350 12x160 mm

FLEXIBLE BOLLARDS

TOTAL FLEXIBLE 90

Mod. C-430-TPU

Bollard BCN
Polyurethane

*Detachable option

Certified product
ACCM
Nº: CP-16-16-101-2

Mod. C-430-TPU PLUS

Bollard BCN
Polyurethane

*Detachable option

Certified product
ACCM
Nº: CP-16-16-101-2

Mod. C-430-TPU 1200-PLUS

Bollard BCN
Polyurethane

*Detachable option

Mod. C-430-TPU-ARO-AT

Base to screw TPU bollards
Made of Polypropylene

Mod. C-430-TPU-80-BC2-AMA

Bollard BCN
Polyurethane
with reflective strip

Mod. C-430-TPU-PLUS-80-EM1

Bollard BCN
Polyurethane
with reflective strip

BOLLARDS

SOFT FLEXIBLE BOLLARDS 30 DEGREES FLEXIBLE

Mod. H-750-AT-NAR

Bolt-on bollard
down
Polyurethane

Mod. HITO H-75

Polyethylene

Mod. P-41P

Sant Feliu
Polypropylene

Mod. C-430

Bollard BCN
Polypropylene

*Detachable option

Certified product
ACCM
Nº: CP-16-16-101-2

BOLLARDS
TOTAL FLEXIBLE

POLYURETHANE

► Mod. C-430-TPU



Producto certificado

ACCM
RECONOCIMIENTO
CERTIFICADO
Nº: CP-16-16-101-2

Videos: <https://youtu.be/siPI0qIn5tc>
<https://youtu.be/awUYdnZmCTc>



C-430-TPU



C-430-TPU
GREY



C-430-TPU-ROJ
RAL 3020



C-430-TPU-AZU
RAL 5005



C-430-TPU-AMA
RAL 1021



C-430-TPU-VER
RAL 6029

SPEED REDUCERS
WITH REFLECTIVE STRIPS

SPEED REDUCER RE-1

- Mod. RE-1 505x405x50 mm
- Mod. RE-1-FM 250x405x50 mm
- Mod. RE-1-FH 250x405x50 mm

SPEED REDUCER RE-3-50x60

- Mod. RE-3-50x60 505x606x30 mm
- Mod. RE-3-50x60-H 200x606x30 mm
- Mod. RE-3-50x60-M 200x606x30 mm

SPEED REDUCER RE-5-50x60

- Mod. RE-5-50x60 505x606x50 mm
- Mod. RE-5-50x60-H 200x606x50 mm
- Mod. RE-5-50x60-M 200x606x50 mm

Watch
resistance video



APARCABICIS

ONA

► Mod. A-03



BARCELONA

► Mod. A-06 / Mod. A-06 INOX



COPENHAGUEN

► Mod. A-04



APARCA PATINETES

APARCA PATINETES

► Mod. AP-01

Aparca patinetes en acero
Agarres en acero inoxidable
Cuerpo acabado en martelete

