

SERNIS

ROAD STUDS



Features	SR-i15	SR-i20	SR-i21	SR-i35	SR-i40	SR-i40A	SR-i40S	SR-i40SA
LED's Configuration	Unidirectional or Bidirectional	Unidirectional or Bidirectional	Unidirectional or Bidirectional	360° Lighting	Unidirectional or Bidirectional	Unidirectional or Bidirectional	Unidirectional or Bidirectional	Unidirectional or Bidirectional
LED Type	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Operating Mode	Flashing or Always ON	Flashing or Always ON	Flashing or Always ON	Flashing or Always ON	Programmable	Programmable	Flashing or Always ON	Flashing or Always ON
Material	Polycarbonate	Aluminum* and Polycarbonate	Aluminum* and Polycarbonate	Aluminum* and Polycarbonate	Stainless Steel and Polycarbonate	Aluminum* and Polycarbonate	Stainless Steel and Polycarbonate	Aluminum* and Polycarbonate
Power Supply	Capacitor or Battery	Capacitor or Battery	Capacitor or Battery	Capacitor or Battery	Battery	Battery	Battery	Battery
Raising from road surface (mm)	12,70mm	15,00mm	17,00mm	17,00mm	4,00mm	4,00mm	4,00mm	4,00mm
Mechanical Resistance (Tons)	60 Tons	20 Tons	20 Tons	18 Tons	160 Tons	120 Tons	160 Tons	120 Tons
i-STUD Technology	✓	✓	✓	✓	✓	✓	✓	✓
Ready for Snow Plough Machines	✗	✗	✗	✗	✓	✗	✓	✗
Wireless Programmable after installation	✗	✗	✗	✗	✓	✓	✗	✗
Ice Detector - Option Available	✓	✓	✗	✗	✓	✓	✓	✓
High Reflective Elements	✗	✗	✓	✗	✗	✗	✗	✗
Application								
	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE

* Different CAP treatments available by request

ROAD STUDS

Hardwired Road Studs | Standard LEDs





















Features	SR-20C	SR-30	SR-35C	SR-45	SR-45A	SR-45IPW	SR-48	SR-50S	SR-50SNR	SR-70
LED's Configuration	Unidirectional or Bidirectional	Unidirectional or Bidirectional	360° Lighting	Unidirectional	Unidirectional	Unidirectional	Bidirectional	Unidirectional or Bidirectional	Unidirectional or Bidirectional	360° Lighting
LED Type	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Operating Mode	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*
Material	Aluminum** and Polycarbonate	Aluminum** and Polycarbonate	Aluminum and Polycarbonate	Stainless Steel and Aluminum	Aluminum**	Stainless Steel and Aluminum	Stainless Steel and Aluminum	Stainless Steel and Aluminum	Stainless Steel and Aluminum	Stainless Steel and Aluminum
Power Supply	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	230V AC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC
Raising from road surface (mm)	15,00mm	13,70mm	17,00mm	8,70mm	7,30mm	8,70mm	8,50mm	4,00mm	4,00mm	15,20mm
Mechanical Resistance (Tons)	20 Tons	10 Tons	18 Tons	120 Tons	30 Tons	120 Tons	90 Tons	160 Tons	160 Tons	160 Tons
Ready for Snow Plough Machines	✗	✗	✗	✓	✗	✓	✓	✓	✓	✓
Inductive	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗
Rotatable After Installation	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗
Application										
	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE

* Dimming, flashing or sequential mode requires a PC500 Controller
 ** Different CAP treatments available by request

ROAD STUDS

Hardwired Road Studs | Power LEDs

									
	SR-20CP	SR-45P	SR-45AP	SR-48P	SR-50	SR-50NR	SR-50-RYG	SR-50NR-RYG	SR-70P
LED's Configuration	Unidirectional or Bidirectional	Unidirectional	Unidirectional	Bidirectional	Unidirectional or Bidirectional	Unidirectional or Bidirectional	Unidirectional or Bidirectional	Unidirectional or Bidirectional	360° Lighting
LED Type	Power	Power	Power	Power	Power	Power	Power	Power	Power
Operating Mode	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*	Always ON*
Material	Aluminum** and Polycarbonate	Stainless Steel and Aluminum	Aluminum**	Stainless Steel and Aluminum	Stainless Steel and Aluminum	Stainless Steel and Aluminum	Stainless Steel and Aluminum	Stainless Steel and Aluminum	Stainless Steel and Aluminum
Power Supply	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC	24V DC
Raising from road surface (mm)	15,00mm	8,70mm	7,30mm	8,50mm	4,00mm	4,00mm	4,00mm	4,00mm	15,20mm
Mechanical Resistance (Tons)	20 Tons	120 Tons	30 Tons	90 Tons	160 Tons	160 Tons	160 Tons	160 Tons	160 Tons
Ready for Snow Plough Machines	✗	✓	✗	✓	✓	✓	✓	✓	✓
Inductive	✗	✗	✗	✗	✗	✗	✗	✗	✗
Rotatable After Installation	✗	✗	✗	✗	✓	✗	✓	✗	✗
Application									
	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE	EXPLORE





* Dimming, flashing or sequential mode requires a PC500 Controller
 ** Different CAP treatments available by request

ROAD STUDS




Hardwired Road Studs | Tunnel Lighting

ROAD STUDS

Hardwired Road Studs | Vertical Lighting

Features	SR-T24-U	SR-T24-B Best seller	SR-T24-BA	SR-T24-BL
LED's Configuration	Unidirectional	Bidirectional	Bidirectional* with Arrow on Top	Bidirectional* with 2 Lines on Top
LED Type	Standard	Standard	Standard	Standard
Operating Mode	Always ON**	Always ON**	Always ON**	Always ON**
Material	Anodized and Lacquered Aluminum	Anodized and Lacquered Aluminum	Anodized and Lacquered Aluminum	Anodized and Lacquered Aluminum
Power Supply	24V DC	24V DC	24V DC	24V DC
Raising from road surface (mm)	32,00mm	32,00mm	32,00mm	32,00mm
Application				
	EXPLORE	EXPLORE	EXPLORE	EXPLORE

* Unidirectional version available
 ** Dimming, flashing or sequential mode requires a PC500 Controller

Features	SR-15VL	SR-20VL	SR-35VL
LED's Configuration	Vertical Lighting	Vertical Lighting	Vertical Lighting
LED Type	Standard	Standard	Standard
Operating Mode	Always ON*	Always ON*	Always ON*
Material	Polycarbonate	Aluminum** and Polycarbonate	Aluminum and Polycarbonate
Power Supply	12V DC or 24V DC	12V DC or 24V DC	12V DC or 24V DC
Raising from road surface (mm)	12,70mm	15,00mm	17,00mm
Mechanical Resistance (Tons)	60 Tons	20 Tons	18 Tons
Application			
	EXPLORE	EXPLORE	EXPLORE

* Dimming, flashing or sequential mode requires a PC500 Controller
 ** Different CAP treatments available by request

ROAD STUDS

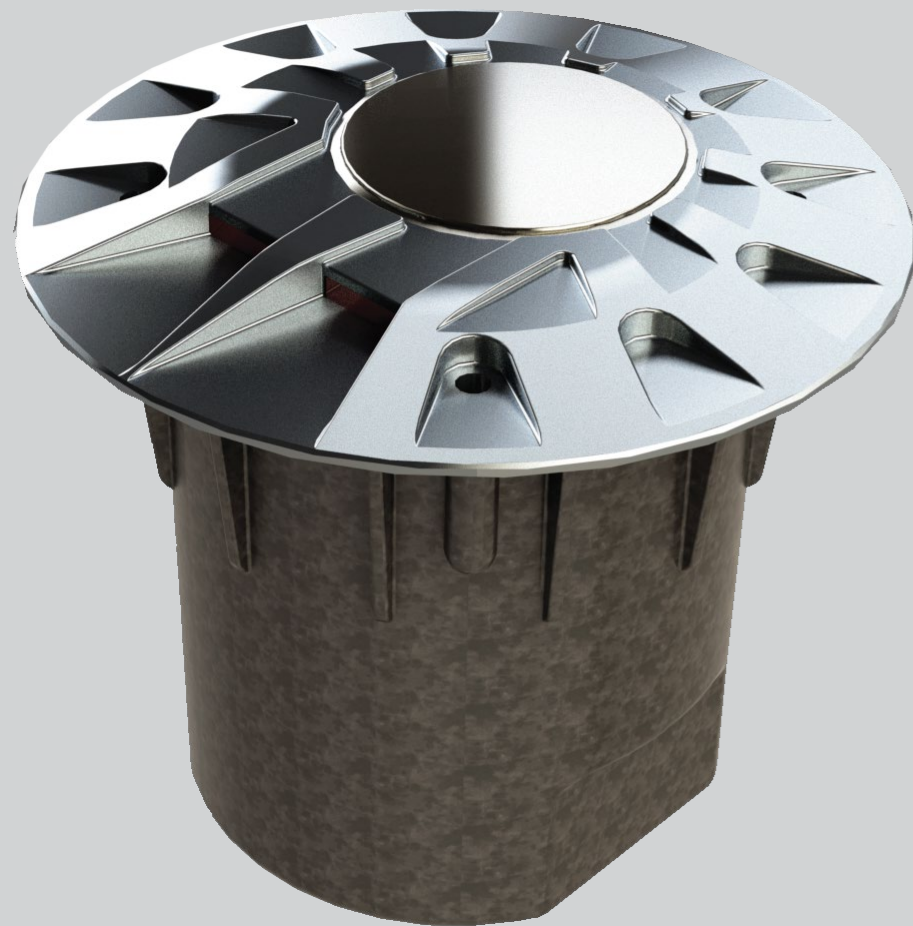
Retroreflective Road Studs



Features	SR-5000	SR-5500
Material	Polycarbonate	Aluminum alloy, plastic and biconvex glass
Raising from road surface (mm)	17,75mm	20,50mm
Mechanical Resistance (Tons)	60 Tons	60 Tons
High Reflective Elements	✓	✓
Replaceable Top	✗	✓
High Reflective Tape	✓	✗
High Resistant Biconvex Glass Reflectors	✗	✓
LEDs	✗	✗
Application		
	EXPLORE	EXPLORE

ROAD STUDS

Road Studs Coming Soon



SR-90 is an intelligent system for physical speed reduction of vehicles in controlled speed zones.

The system has a speed meter installed that will activate the Road Studs.

SR-90 - the winner of the Safety Category of the Intertraffic Amsterdam Innovation Award 2018 - has two types of warnings for the driver: to raise their height above the ground and to light up according to the speed of the approaching vehicles.

It has several levels of warning:

- Proper speed: the road stud is at ground level and has a green light;
- Excessive speed (inadequate by excess): the road stud is slightly above ground level and has a yellow light;
- Inadequate speed (exceeding legal limits): the road stud is on its higher level above ground and has a red light.



Speed reduction of vehicles in controlled speed zones

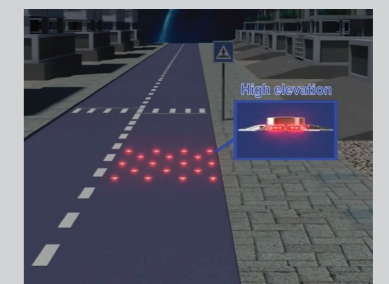
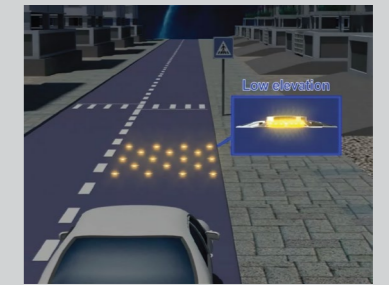


Hardwired Road Stud with 2 colors of LED signaling



Hardwired Road Stud with 2 levels of elevation

SR-90 system warn drivers for the need to reduce the speed to prevent accidents





www.sernis.com



[/sernis.pt](https://www.facebook.com/sernis.pt)



sernis@sernis.com



+351 253 300 440