### Features

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<tbody>
<tr>
<td>Operating Mode</td>
<td>Unidirectional or Bidirectional</td>
<td>Unidirectional or Bidirectional</td>
<td>Unidirectional or Bidirectional</td>
<td>360° Lighting</td>
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<td>Unidirectional or Bidirectional</td>
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<tr>
<td>Material</td>
<td>Polycarbonate</td>
<td>Aluminum* and Polycarbonate</td>
<td>Aluminum* and Polycarbonate</td>
<td>Aluminum* and Polycarbonate</td>
<td>Aluminum* and Polycarbonate</td>
<td>Stainless Steel and Polycarbonate</td>
<td>Stainless Steel and Polycarbonate</td>
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<tr>
<td>Power Supply</td>
<td>Capacitor or Battery</td>
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<td>Capacitor or Battery</td>
<td>Capacitor or Battery</td>
<td>Capacitor or Battery</td>
<td>Battery</td>
<td>Battery</td>
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<tr>
<td>Raising from road surface (mm)</td>
<td>12,70mm</td>
<td>15,00mm</td>
<td>17,000mm</td>
<td>17,000mm</td>
<td>4,00mm</td>
<td>4,00mm</td>
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<tr>
<td>Mechanical Resistance (Tons)</td>
<td>60 Tons</td>
<td>20 Tons</td>
<td>20 Tons</td>
<td>18 Tons</td>
<td>160 Tons</td>
<td>120 Tons</td>
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<td>120 Tons</td>
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<tr>
<td>i-STUD Technology</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>✓</td>
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<tr>
<td>Ready for Snow Plough Machines</td>
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<td>✗</td>
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<td>Wireless Programmable after installation</td>
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<td>Ice Detector - Option Available</td>
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<td>✓</td>
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<tr>
<td>High Reflective Elements</td>
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<tr>
<td>Application</td>
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</table>

* Different CAP treatments available by request
## ROAD STUDS
### Hardwired Road Studs | Standard LEDs

### Features

<table>
<thead>
<tr>
<th>Model</th>
<th>LED's Configuration</th>
<th>LED Type</th>
<th>Operating Mode</th>
<th>Material</th>
<th>Power Supply</th>
<th>Raising from road surface (mm)</th>
<th>Mechanical Resistance (Tons)</th>
<th>Inductive</th>
<th>Rotatable After Installation</th>
<th>Application</th>
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</thead>
<tbody>
<tr>
<td>SR-20C</td>
<td>Unidirectional or Bidirectional</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Aluminum** and Polycarbonate</td>
<td>12V DC or 24V DC</td>
<td>15,00mm</td>
<td>20 Tons</td>
<td>X</td>
<td>X</td>
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<td>SR-30</td>
<td>Unidirectional or Bidirectional</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Aluminum** and Polycarbonate</td>
<td>12V DC or 24V DC</td>
<td>13,70mm</td>
<td>10 Tons</td>
<td>X</td>
<td>X</td>
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<tr>
<td>SR-35C</td>
<td>360º Lighting</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Aluminum and Polycarbonate</td>
<td>12V DC or 24V DC</td>
<td>17,00mm</td>
<td>18 Tons</td>
<td>X</td>
<td>X</td>
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<tr>
<td>SR-45</td>
<td>Unidirectional</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminum</td>
<td>12V DC or 24V DC</td>
<td>8,70mm</td>
<td>120 Tons</td>
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<td>SR-45A</td>
<td>Unidirectional</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Aluminum**</td>
<td>12V DC or 24V DC</td>
<td>7,30mm</td>
<td>30 Tons</td>
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<td>SR-45IPW</td>
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<td>Standard</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminum</td>
<td>230V AC</td>
<td>8,70mm</td>
<td>120 Tons</td>
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<td>SR-48</td>
<td>Bidirectional</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminum</td>
<td>12V DC or 24V DC</td>
<td>8,50mm</td>
<td>90 Tons</td>
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<td>✓</td>
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<td>SR-50S</td>
<td>Unidirectional or Bidirectional</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminum</td>
<td>12V DC or 24V DC</td>
<td>4,00mm</td>
<td>160 Tons</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>SR-50SNR</td>
<td>Unidirectional or Bidirectional</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminum</td>
<td>12V DC or 24V DC</td>
<td>4,00mm</td>
<td>160 Tons</td>
<td>✓</td>
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<td>SR-70</td>
<td>360º Lighting</td>
<td>Standard</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminum</td>
<td>12V DC or 24V DC</td>
<td>4,00mm</td>
<td>160 Tons</td>
<td>✓</td>
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</tr>
</tbody>
</table>

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

Captions:
- Regular Traffic Zones
- Heavy Traffic Zones
- Road Delineation
- Bicycle Lanes
- Sidewalks
- Sidewalks for Wheelchair users
- Sidewalks for Pedestrians
- Sidewalks for Cyclists
- Sidewalks for Bicycles
- Sidewalks for Motorcycles
- Sidewalks for Tramways
- Sidewalks for Trains
- Airports
- Tunnels
- Parking Lots
## Hardwired Road Studs | Power LEDs

<table>
<thead>
<tr>
<th>Model</th>
<th>Configuration</th>
<th>LED Type</th>
<th>Operating Mode</th>
<th>Material</th>
<th>Power Supply</th>
<th>Power</th>
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</thead>
<tbody>
<tr>
<td>SR-20CP</td>
<td>Unidirectional</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Polycarbonate</td>
<td>12V DC or 24V DC</td>
<td>Always ON*</td>
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<tr>
<td>SR-45P</td>
<td>Unidirectional</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminum</td>
<td>12V DC or 24V DC</td>
<td>Always ON*</td>
</tr>
<tr>
<td>SR-45AP</td>
<td>Bidirectional</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminium</td>
<td>12V DC or 24V DC</td>
<td>Always ON*</td>
</tr>
<tr>
<td>SR-48P</td>
<td>Unidirectional</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminium</td>
<td>12V DC or 24V DC</td>
<td>Always ON*</td>
</tr>
<tr>
<td>SR-50</td>
<td>Unidirectional</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminium</td>
<td>12V DC or 24V DC</td>
<td>Always ON*</td>
</tr>
<tr>
<td>SR-50NR</td>
<td>Unidirectional</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminium</td>
<td>12V DC or 24V DC</td>
<td>Always ON*</td>
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<tr>
<td>SR-50-NR-RYG</td>
<td>Unidirectional</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminium</td>
<td>12V DC or 24V DC</td>
<td>Always ON*</td>
</tr>
<tr>
<td>SR-70P</td>
<td>360° Lighting</td>
<td>Power</td>
<td>Always ON*</td>
<td>Stainless Steel and Aluminium</td>
<td>24V DC</td>
<td>Always ON*</td>
</tr>
</tbody>
</table>

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

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### Application
- **SR-20CP:** Unidirectional or Bidirectional
- **SR-45P:** Unidirectional
- **SR-45AP:** Unidirectional
- **SR-48P:** Unidirectional or Bidirectional
- **SR-50:** Unidirectional or Bidirectional
- **SR-50NR:** Unidirectional or Bidirectional
- **SR-50-NR-RYG:** Unidirectional or Bidirectional
- **SR-70P:** 360° Lighting

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### LED's Configuration
- **SR-20CP:** Unidirectional or Bidirectional
- **SR-45P:** Unidirectional
- **SR-45AP:** Unidirectional
- **SR-48P:** Unidirectional or Bidirectional
- **SR-50:** Unidirectional or Bidirectional
- **SR-50NR:** Unidirectional or Bidirectional
- **SR-50-NR-RYG:** Unidirectional or Bidirectional
- **SR-70P:** 360° Lighting

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### Power Supply
- **SR-20CP:** 12V DC or 24V DC
- **SR-45P:** 12V DC or 24V DC
- **SR-45AP:** 12V DC or 24V DC
- **SR-48P:** 12V DC or 24V DC
- **SR-50:** 12V DC or 24V DC
- **SR-50NR:** 12V DC or 24V DC
- **SR-50-NR-RYG:** 12V DC or 24V DC
- **SR-70P:** 24V DC
Hardwired Road Studs | Tunnel Lighting

Captions
- Regular
- Heavy Traffic Zones
- Road Delineation
- Bends/Curves
- Crosswalks
- Road
Delineation
- Bike Paths
- Walking Trails
- Areas not crossed by motor vehicles
- Airports
- Terminals
- Parking Lots

Hardwired Road Studs | Vertical Lighting

Captions
- Vertical Lighting
- Areas not crossed by motor vehicles
- Airports
- Terminals
- Parking Lots

Features
- LED’s Configuration
- LED Type
- Operating Mode
- Material
- Power Supply
- Raising from road surface (mm)
- Application

SR-T24-U
- Unidirectional
- Standard
- 24V DC
- 32,00mm
- EXPLORE

SR-T24-B*
- Bidirectional
- Standard
- 24V DC
- 32,00mm
- EXPLORE

SR-T24-BA
- Bidirectional with Arrow on Top
- Standard
- 24V DC
- 32,00mm
- EXPLORE

SR-T24-BL
- Bidirectional with 2 Lines on Top
- Standard
- 24V DC
- 32,00mm
- EXPLORE

Features
- LED’s Configuration
- LED Type
- Operating Mode
- Material
- Power Supply
- Raising from road surface (mm)
- Mechanical Resistance (Tons)
- Application

SR-15VL
- Vertical Lighting
- Standard
- 12V DC or 24V DC
- 12,70mm
- 60 Tons
- EXPLORE

SR-20VL
- Vertical Lighting
- Always ON*
- 12V DC or 24V DC
- 17,00mm
- 20 Tons
- EXPLORE

SR-35VL
- Vertical Lighting
- Always ON*
- 12V DC or 24V DC
- 15,00mm
- 18 Tons
- EXPLORE

* IP68 version available with Lenses (IP68/IK10)
** Dimming, flashing or sequential mode requires a PC500 Controller
*** Different CAP treatments available by request

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

## Captions
- Regular Traffic Zones
- Bends/Curves
- Crosswalks
- Road Delineation
- Bike Paths
- Walking Trails
- Heavy Traffic Zones
- Snow Areas
- Architectural Lighting
- Airports
- Tunnels
- Parking Lots
- Areas not crossed by motor vehicles
- Crosswalks Waiting Zone

## Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>SR-5000</th>
<th>SR-5500</th>
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</thead>
<tbody>
<tr>
<td>Material</td>
<td>Polycarbonate</td>
<td>Aluminum alloy, plastic and biconvex glass</td>
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<tr>
<td>Raising from road surface (mm)</td>
<td>17.75mm</td>
<td>20.50mm</td>
</tr>
<tr>
<td>Mechanical Resistance (Tons)</td>
<td>60 Tons</td>
<td>60 Tons</td>
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<tr>
<td>High Reflective Elements</td>
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<tr>
<td>Replaceable Top</td>
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<tr>
<td>High Reflective Tape</td>
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<tr>
<td>High Resistant Biconvex Glass Reflectors</td>
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<td>LEDs</td>
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<td>✗</td>
</tr>
<tr>
<td>Application</td>
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</table>

## EXPLORE LEDS Application

- Explore SR-5000
- Explore SR-5500
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.