

Directional beacons

- Great safety for all road users - particularly at intersections

The rapidly increasing volume of traffic is a considerable problem, especially for emergency vehicles when the usual warning devices are not noticed by the traffic ahead. For this reason, we advise the use of directional beacons as an add-on to the emergency vehicle's equipment. At intersections in particular, the light's wide beam considerably improves safety while attracting the road users' attention.

Overview of options



Sputnik SL & LED traffic advisor



Sputnik Compact



Sputnik mini



Sputnik nano mobil

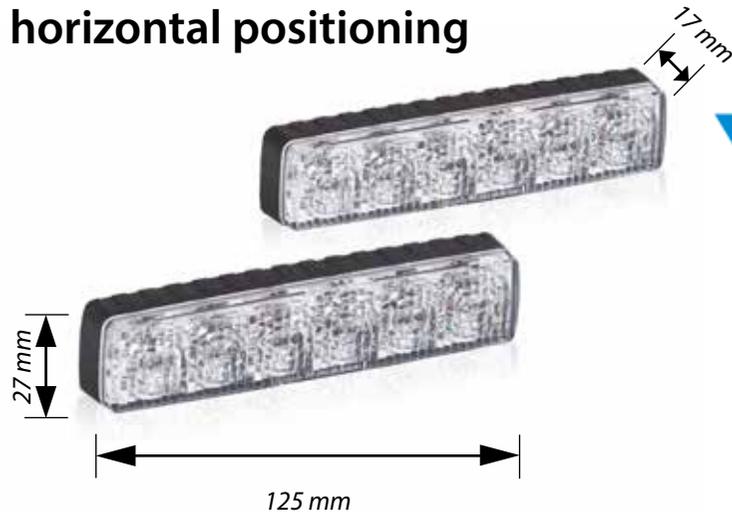
Sputnik SL

The directional flasher Sputnik SL features state-of-the-art lighting technology. The cover glass and the integrated optics of the LEDs guarantee maximum light output and a large angle of radiation (horizontal $> 70^\circ$). At intersections in particular, the light's wide beam considerably improves other road users' awareness, which reduces the risk of accidents.

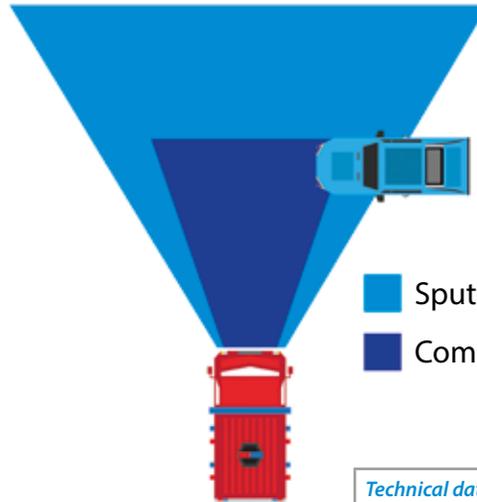


Sputnik SL

horizontal positioning



vertical positioning



■ Sputnik SL
■ Competitors

PRODUCT FEATURES:

- versions available for horizontal and vertical mounting
- maximum warning effect > 500 candela
- two or more lamp bodies can be synchronised
- choice of different flash patterns
- can be adjusted to fit the contour of the radiator grille
- complete sealing of the lamp bodies ensures insensitivity to high pressure or steam jet cleaning
- universal cable can be configured as a control cable, day/night cable or activation cable
- universal holder and various vehicle-specific holders available for optimal positioning and easy mounting
- Y-cable for easy electrical connection available
- also available in red, green, white and amber
- information on special HT solutions in combination with Sputnik mini can be found on page 21/22

<i>Technical data:</i>		
Designation:	Sputnik SL	
Voltage:	12 V / 24 V multi voltage	
Average power consumption:	12 V: 0.8 A (per LK) 24 V: 0.6 A (per LK)	
Type of protection:	IP6K7 / IPX9K	
<i>Homologation:</i>		
Light according to ECE-R 65:		
Horizontal	XB1 (E1) 00 3568 (blue)	XB2 (E1) 00 3569 (blue, cl. 2)
Vertical	XB1 (E1) 00 3756 (blue)	XB2 (E1) 00 3759 (blue, cl. 2)
Our amber directional beacons Sputnik SL are homologated as rear warning systems according to §52, (11) StVZO.		
Light according to ECE-R 65:		
Horizontal:	XA1 (E1) 00 3652 (amber)	
Vertical:	XA1 (E1) 00 3757 (amber)	
EMC according to ECE-R 10:	(E1) 10R-05 6845	

LED traffic advisor

The traffic advisor is optionally available with 4-7 lamp bodies. Through its amber light, the traffic advisor alerts subsequent traffic of dangers in all kinds of weather and visibility conditions.

OPTIONS:

- installation optionally with 4-7 LED lamp bodies (amber)
- low power consumption (important for providing safety without being powered by a motor)

Sputnik Compact



fig.: surface mounting



The control unit is not included in the scope of delivery.

Technical data:	
Housing:	Zing die casting, coated
Cover glass:	PC
Protection class:	IP65
Voltage:	12 V / 24 V multi voltage
Avg. Power consumption:	0,5 A at 12 V 0,3 A at 24 V
Permanent light	0,55 A at 12 V 0,34 A at 24 V
Homologation: (Germany and international)	
EMC after ECE-R 10:	(E1) 10R-04 7591

Homologation as rear warning system; special approval for traffic advisor is required.

Sputnik SL



The control unit is not included in the scope of delivery.

Technical data:	
Housing:	Sputnik SL
Voltage:	12 V / 24 V
Flash frequency:	> 2 Hz
Avg. power consumption:	12 V: 0.8 A (per LK) / 24 V: 0.6 A (per LK)
Type of protection:	IP6K7 / IPX9K
Homologation: (Germany and international)	
EMV nach ECE-R 10:	(E1) 10R-05 6845

Sputnik Compact

The Sputnik Compact features state-of-the-art lighting technology. The cover glass and the integrated optics of the LEDs guarantee maximum light output and a large angle of radiation. The slim all-rounder Sputnik Compact offers a wide range of versatile applications.

Overview of options:

Surface mounting



Rack mounting



VARIATIONS:

- rack mounting and surface mounting options available
- rear warning beacon available with 0° or 0°-24° angle of radiation
- working light available with 0° or 0°-24° angle of radiation
- information on special HT solutions in combination with Sputnik mini can be found on page 21/22

VERSATILE APPLICATIONS:

- rear warning beacon (blue) in the boot lid when lightbar is covered
- directional beacon with a main radiation direction, e.g. front flasher (blue), rear flasher (blue)
- rear warning system (§53a (3) StVZO) to secure a stationary vehicle to the rear (amber) (mounting in a vehicle)

Sputnik Compact

OTHER OPTIONS:

- rear warning system according to §52 (11) StVZO to secure a stationary vehicle to the rear (amber)
- direction indicator/turning light and hazard warning light (amber)
- rear and brake light (red)
- fog tail light (red)
- lighting (white permanent light)
- also available in green

<i>Technical data:</i>		
Housing:	Zinc die casting, coated	
Diffuser:	PC	
Protection class:	IP65	
Voltage:	12 V / 24 V multi voltage	
Avg. power consumption:	0.5 A at 12 V 0.3 A at 24 V	
Permanent light:	0.55 A at 12 V 0.34 A at 24 V	
<i>Homologation: (Germany and international)</i>		
Rear warning beacon:	TA13a (blue)	~ K 1158 / ~ K 1159
Directional beacon:	ECE-R 65 (blue)	XB1 (E1) 00 4111
Rear warning system:	TA20 (amber)	~ K 1160
Direction indicator/hazard warning light:	ECE-R6 (amber)	01 2a (E1) 4109
Rear/brake light:	ECE-R 7 (red)	02 R1-S1 (E1) 4109
Fog tail light:	ECE-R 38 (red)	00 F1 (E1) 4109
Rear warning system:	ECE-R 65 (amber)	XA1 (E1) 00 4110
EMC:	ECE-R 10	(E1) 10R-04 7591



Sputnik mini

The new LED warning device Sputnik mini impresses with its compact dimensions and simple mounting through a round drill hole. With 2 lamp bodies the system can be used as front flasher.



PRODUCT FEATURES:

- highly compact design for universal usage
- housing: aluminium
- exterior electronics for up to 2 lamp bodies
- X-homologation
- also available in amber
- with 2 lamp bodies as front- and/or rear flasher usable

Technical data:

Material:	Housing:	aluminium, black anodised
	Cover glass:	PC
	Electronics:	PA
Dimensions:	Lamp body:	ø 27 mm / depth 28 mm
	Electronics:	95.5 x 26 x 13 mm (WxHxD)
Weight:	Lamp body:	25 g
	Electronics:	245 g
Type of protection:	IP6K7 / IPX9K	
Temperature range:	-40° C to +60° C	
Voltage:	12 V / 24 V multi voltage	
Avg. power consumption*:	0.8 A at 12 V 0.5 A at 24 V	
Peak*:	2.3 A at 12 V 1.1 A at 24 V	

* electronics with 2 lamp bodies

Flash pattern: Strobe flash synchronous (configurable)

Homologations: (Germany and international)

Light according to ECE-R 65:	XB1 (E5) 00 0068 (C1) / XB2 (E5) 00 0070 (C2)
EMC according to ECE-R 10:	(E1) 10R-05 8617

Sputnik nano mobil

The Sputnik nano mobil is an additional directional warning system which is placed behind the windscreen to provide the ideal supplement to the beacons on the vehicle's roof. It is especially suited for the use in unmarked vehicles.



Universal plug



Metal elbow plug

PRODUCT FEATURES:

- entire electronics integrated into the lamp body
- powerful warning signal thanks to modern lens technology
- lamp bodies can be adjusted in various ways to optimally suit the angle of the windscreen
- comfortable fixing to the windscreen via two suction cups possible
- anti-glare thanks to the windscreen-fitted foam sealing
- power supply via universal plug or metal elbow plug
- protective cover available as accessory

<i>Technical data:</i>	
Designation:	Sputnik nano mobil
Voltage:	12 V / 24 V multi voltage
Flash frequency:	> 2 Hz
Average power consumption:	12 V: 0.65 A / 24 V: 0.4 A
<i>Homologation (blue): (Germany and international)</i>	
Light according to ECE-R 65:	At present, there is still no homologation regulation for mobile, directional warning systems – special approval required
EMC according to Directive 72/245/EWG:	 03 4972