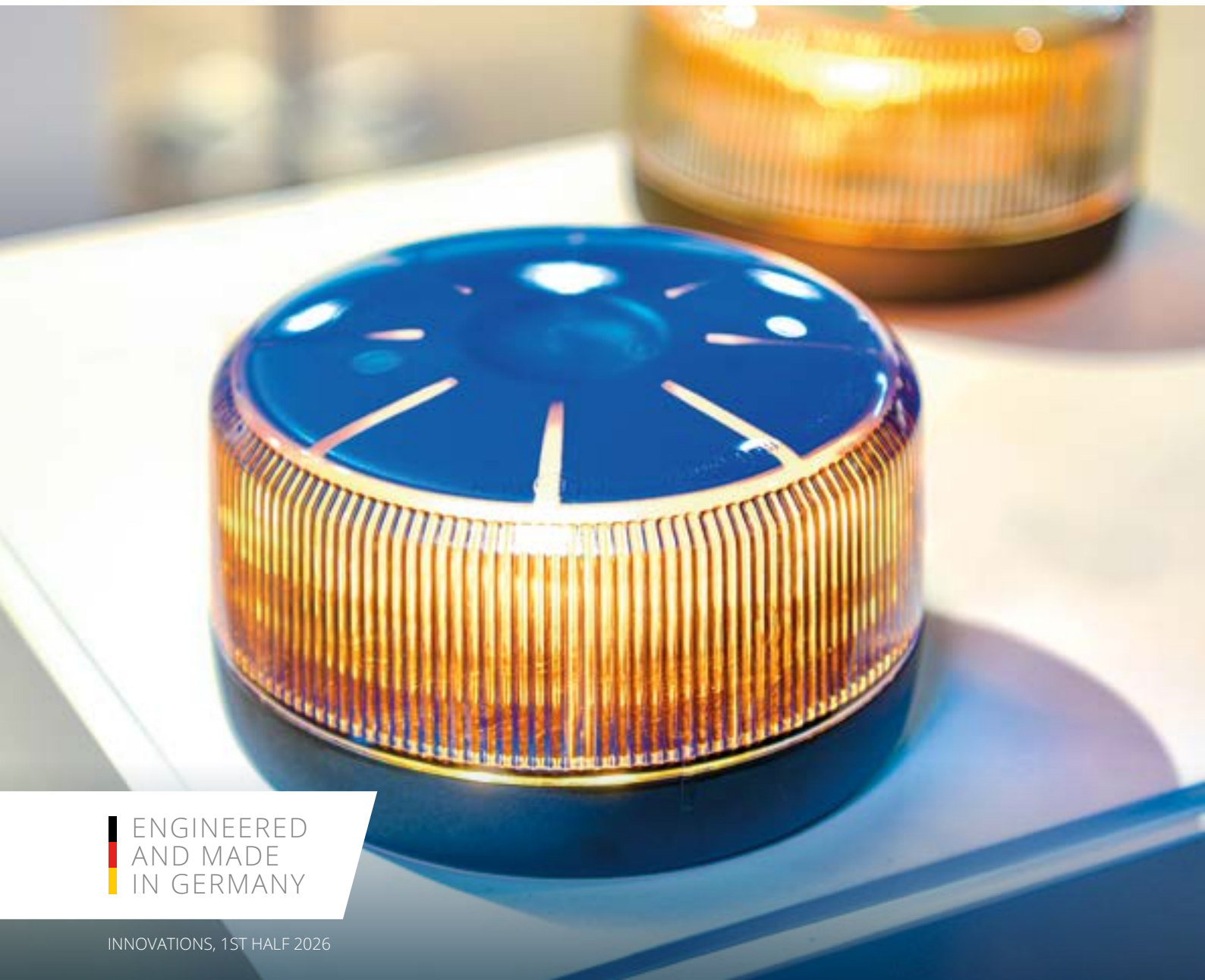


Hänsch[®]///

HÄNSCH - EXPERTS IN WARNING SYSTEMS
INNOVATIONS



 ENGINEERED
AND MADE
IN GERMANY

INNOVATIONS, 1ST HALF 2026



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We have been developing and manufacturing high-quality optical and acoustic warning systems in Herzlake since 1984 – engineered and made in Germany. Our lightbar systems, beacons, directional beacons and customized signaling concepts ensure maximum visibility and set benchmarks in quality, innovation and reliability. As a trusted partner within the automotive sector, we deliver future-oriented solutions that perfectly combine technology and safety.

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“BLUE LIGHT” APPLICATIONS

Warning lights for emergency vehicles such as police and fire services to ensure visibility and reliable protection of emergency personnel.



“AMBER” APPLICATIONS

Warning systems for road maintenance services, towing services, etc., which improve visibility on the roads and indicate ongoing works.



CABLE ASSEMBLY

Customized system cabling solutions: from development to production, ready-to-connect wiring harnesses for electronic components in special vehicle construction.



WORKING LIGHTS

We develop customized lighting concepts for special-purpose vehicles, providing optimal illumination and efficiency through carefully selected LED work lights.



MULTI-COLOUR VARIANTS COMET S

The flat and compact LED beacon COMET S will also be available in two- and three-colour variants in the future. This consistent further development enables use as both a single- and multi-colour beacon across a wide range of applications – offering clear added value. With increasing demand for applications requiring maximum light intensity and Class II approval – for example for marking guidance structures at deployment sites or securing incident scenes – the three-colour variants of the COMET S allow for even more flexible and application-specific system solutions for emergency vehicles.



Various dome colours available (blue and clear)

The COMET S multi-colour version can only be controlled via CAN (CiA 447). Class II approved signal colours: blue, blue/amber, blue/red. Two rows of high-performance LEDs ensure uniform and full-area illumination.

PRODUCT FEATURES:

- Various homologated flash patterns integrated:
 - Strobo
 - Hänsch flash (single strobe)
- - Hänsch-Glow (soft light signal)
- Functions:
 - day/night switching (automatic or manual via CAN)
 - command vehicle light red
 - charge status indicator red
 - breathing apparatus / operation indicator green
 - charge status indicator green
 - convoy function
 - working lights
 - function monitoring (via CAN)
 - IR mode (helicopter detection)

Class II homologation and additional functional colours see table.

MULTI-COLOUR VARIANTS AND HOMOLOGATION

TWO-COLOUR COMET S

LAMP DOME COLOUR	LIGHT COLOUR	HOMOLOGATION POSSIBLE
	 blue	K2
	 amber	K2
	 blue	K2
	 red	K2
	 blue	K2
	 IR	-
	 red	K2
	 green	-
	 blue	K2
	 white (ASW)	-
	 blue	K2
	 amber	K1
	 blue	K2
	 red	K1
	 blue	K2
	 IR	-

THREE-COLOUR COMET S

LAMP DOME COLOUR	LIGHT COLOUR	HOMOLOGATION POSSIBLE
	 blue	K2
	 red	-
	 green	-
	 IR	-
	 green	-
	 red	-
	 blue	K2
	 red	-
	 green	-



NOVA S-L

As the successor to the tried-and-tested NOVA-S double flash beacon, the new NOVA-S L also impresses with its low installation height and thus plays a part in ensuring that the maximum overall height of the special vehicle is not exceeded. The modern LED technology also ensures a clearly optimised warning effect and an even longer service life.



THE NEW HÄNSCH NOVA-S L

A powerful LED beacon with a large diameter for fixed mounting.

PRODUCT FEATURES:

- Fixed mounting according to DIN14620
- Form B2
- CiA447 and analogue
- Colour: blue, amber, red, according to ECE-R65
- Day/night switching
- Diameter 240 mm, height 136 mm
- Function monitoring (+ / -)



DBS 850 – blue / amber

The DBS 850 is now also available with an ECE-R 65 approved amber warning light behind a blue transparent cover glass. This combination meets the following homologation criteria: class 2 for blue light and class 1 for amber warning light.

For this optional range of functions, multicolour-capable main beacons and middle modules are installed which, with a suitable control unit, can switch between blue and amber light.



PRODUCT FEATURES:

- Middle modules, multicolour-capable
- Main beacon, multicolour-capable
- Control: CiA447, FireCAN and analogue
- 12 V / 24 V multi-voltage
- Day/night switching
- Main beacon consisting of 4 corner modules
- Extension of the light functions with up to 12 middle modules
- Use of the roof mounting systems of DBS 4000/5000
- EMC according to ECE-R10



DBS 4000 - ASG SH 90

The takedown display with a lettering height of 90 millimetres is now optionally available with an integrated additional flasher function: To do this, the ASG SH 90 is activated on one side at a time, together with the respective main warning lights and (where fitted) conventional additional flashers. The ASG SH 90 can also be used as a traffic advisor.

The LED matrix can also still be used freely to display various texts in red lettering.



Lightbar system

FLASH PATTERN LIGHTBAR SYSTEM

The Hänsch rotating light is a visual warning signal. Its horizontal rotation produces a striking, pulsating light signal – a moving warning signal that can be seen even from a great distance. The lightbar system flash patterns are available for the DBS 4000, 5000 and 850 roof lightbar systems for both daytime and night-time operation.

As part of the implementation of the rotating light in the DBS 4000, the new ASG SH 90 “Blue additional flash” can in future also be integrated into the rotating light simulation.



DAY/NIGHT SWITCHING

So that road users and emergency services are not hindered in any operational situation, all Hänsch flash patterns can be switched to night mode. This means that using the lightbar system in night mode – for example, when the vehicle is stationary for a long period at incident sites in the dark – helps to ensure clear visibility and a harmonious visual impression.

The latest hand-held control units allow users to preset various day/night flash patterns and switch between them manually depending on the situation.

THE ROTATING LIGHT IS AVAILABLE FOR THE FOLLOWING ROOF LIGHTBAR SYSTEMS:

DBS 850



DBS 5000



DBS 4000



Alley Light

The side working lights (alley lights) on our DBS 5000 and DBS 850 roof lightbar systems have, until now, been available as search light or periphery lighting on request. This option will no longer be available following the switch to a high-performance hybrid alley light, which uses two differently oriented lenses to serve as both a search light and periphery lighting in one.

The new hybrid Alley Light extends the field of vision beyond the road itself and provides clear, uniform illumination of the surrounding area. A transition is also planned for the DBS 4000, but this will occur at a later date. We will provide further details about this separately.



THE ROTATING LIGHT IS AVAILABLE FOR THE FOLLOWING ROOF LIGHTBAR SYSTEMS:

DBS 850



DBS 5000



Alley Light DBS 5000



TWO IN ONE

The new hybrid Alley Light illuminates the immediate working area around the vehicle and areas well beyond it, allowing safe entry and exit at night, as well as the possibility of searching the roadside area or identifying house numbers.



TFA 724 & 744 Per4mance

APPLICATION EXAMPLE POLICE / EMERGENCY DOCTOR / FIRE BRIGADE



PRODUCT FEATURES:

- Tone sequence system with 1, 2 or 4 DKL* 604s or DKL* 804s with various homologated tone sequence signals, including DIN urban/rural, compressor
- Wide-angle urban signal with crossing effect
- Optional: an additional output stage for voice announcements over up to 2 undercarriage loudspeakers or remote pressure chamber loudspeakers
- 2 switchable AF inputs, each with digital volume control
- Plug compatible with tone sequence systems (TFA) 6xx
- CAN interface: can be integrated into the existing product family, control via e.g. HBE 300, BE 304, BE 308, BE 314, BE 312
- Loudspeaker function control
- Optional: 5 load outputs
 - of which 1 is a beacon output
 - of which 1 is usable as a radio timer output
- 2 blackbox (UDS) outputs, 500mA



MOWACOM fixed mounting

Now also available as a fixed mounting variant: The MOWACOM mobile warning and communication system was initially developed as a portable solution to quickly and professionally equip any vehicle – particularly during large-scale operations – for the acoustic transmission of information and warning messages, etc. In addition to the MOWACOM 2 and SE variants, it is now also available as a fixed mounting variant of the system.

We supply a suitable support plate for the permanent installation of the roof unit.



Sputnik Hybrid & SL accessoires

For the Mercedes-Benz Vito (W447, MoPf 2024), we have developed various accessories especially for the installation of warning lights and HT solutions.

We are now also offering tailor-made, directional clamps to install the Sputnik SL and Sputnik Hybrid LED warning systems in the radiator grille. No machining of the original grille is necessary for the installation: The lamp bodies are fastened to the mounting brackets. The mounting brackets themselves are attached to the radiator grille using clamps, which permits non-destructive removal in the future.

BENEFITS

- No machining of the original radiator grille
- Mounting brackets are fastened with clamps

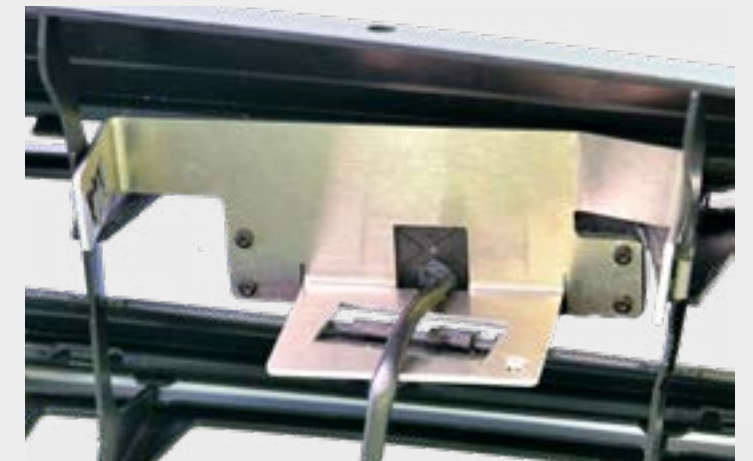
Coming soon for the **VW New Transporter**
and **Ford Transit Custom**.



MOUNTING BRACKET FOR SPUTNIK HYBRID



MOUNTING BRACKET FOR SPUTNIK SL



Roof rail clamps

Hänsch's new clamps provide a secure, vehicle-friendly and flexible way to fit our roof lightbar systems – no drilling required. This innovative clamping mechanism secures the roof bar to the roof rails of the base vehicle and allows for quick removal if necessary.

Depending on the vehicle type, the initial variants for open and closed roof rail designs will be available at launch. Whilst the open roof rail version clamps the mounting bracket directly onto the profile, providing maximum stability with self-supporting roof rail supports, the closed roof rail version uses a precisely fitted clamp mount that adapts to the roof design – ideal for modern base vehicles.

CLOSED ROOF RAIL



A durable and reliable solution at the highest quality level, achieved through the use of premium materials.



To mark the launch of our new product, we are offering DBS clamps for the VW Passat (B8) and Tiguan (3), among others. More options for large vehicles will follow in due course. We are happy to receive enquiries.

BENEFITS:

- Safe installation without drilling or modifying the vehicle
- Fast and residue-free installation and removal
- Rugged, corrosion-resistant design
- Ideal aerodynamic solutions for common base vehicles

OPEN ROOF RAIL



Sputnik Flat HT vertical

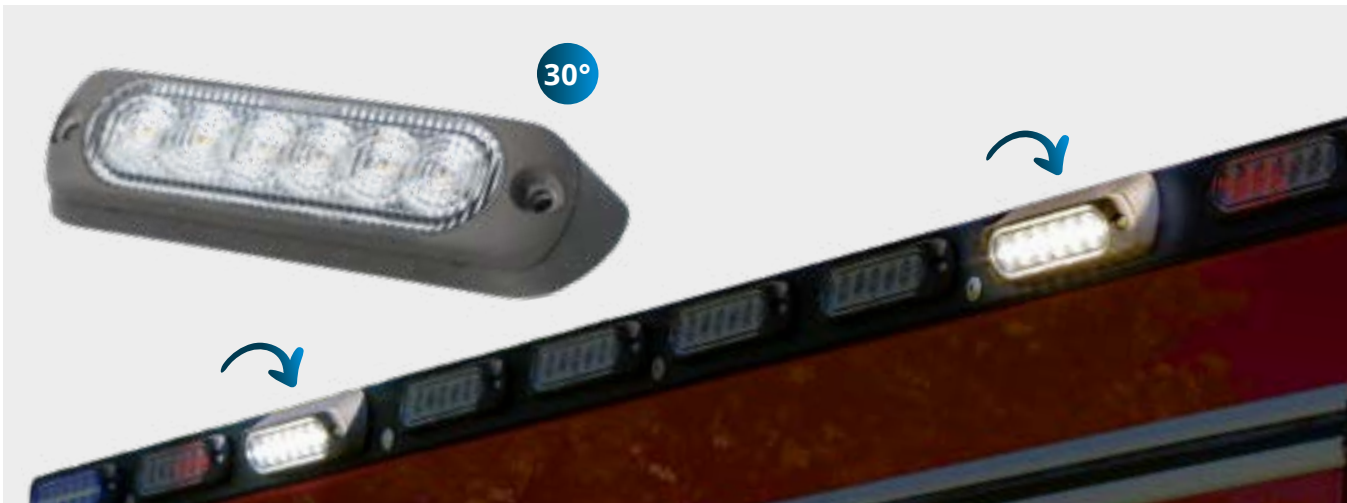
VERTICAL HT SOLUTION

The angle wedges, specifically designed for the Sputnik Flat LED warning system and available in 15- and 20-degree versions, allow precise adjustment of the lamp body's beam angle on the vehicle to achieve a vertical HT solution.



PERIPHERY LIGHTING

In conjunction with the Sputnik Flat „periphery lighting“, the 30-degree angle wedge in the horizontal orientation provides a homogeneous and wide-area illumination of the operational surroundings. The 15- and 20-degree angles can also be used on the vehicle for individual illumination of the surroundings. Colour-coordinated with the Sputnik Flat housing, the angle wedges, in combination with the lamp body, create a harmonious and sophisticated installation on the vehicle and contribute to a bespoke system solution.



Overview Sputnik Hybrid & Flat

	SPUTNIK HYBRID		SPUTNIK FLAT		SPUTNIK FLAT MOBIL	CIA447	
ANALOGUE CONTROL	Horizontal	Vertical	Horizontal	Vertical	—	Horizontal	Vertical
 ECE-R65	✓	✓	✓	✓	✓*	✓	✓
  ECE-R65	✓	✓	✓	✓	—	✓	✓
 ECE-R65	✓	✓	✓	✓	✓*		
  ECE-R65	✓	—	✓	✓	✓*		
 ECE-R65	✓	✓	✓	✓	—		
 Periphery lighting	—	—	✓	✓	—		
 Wide beam angle	✓	—	—	—	—		
 WigWag (white flashing light, intermittent main beam)	✓	—	—	—	—		
  Direction indicator, brake/tail light - ECE-R148	—	—	✓	✓	—		



*For use on public roads, a special approval is required under Section 70 of the Road Traffic Licensing Regulations (StVZO).

HT solutions

Hänsch's HT solutions allow you to achieve the geometric visibility required by law when the installation of conventional warning lights is not possible due to structural constraints.

The HT solution can be fitted to the front or rear of the vehicle or integrated into the vehicle body.

The various solutions from Hänsch, consisting of 2 to 6 HT lamp bodies, allow you maximum flexibility in mounting on the vehicle body. With the Sputnik mini and Sputnik SL HT solutions, installation at the front of the vehicle ensures the earliest possible warning effect, e.g. at intersections or when exiting the depot.

Category X

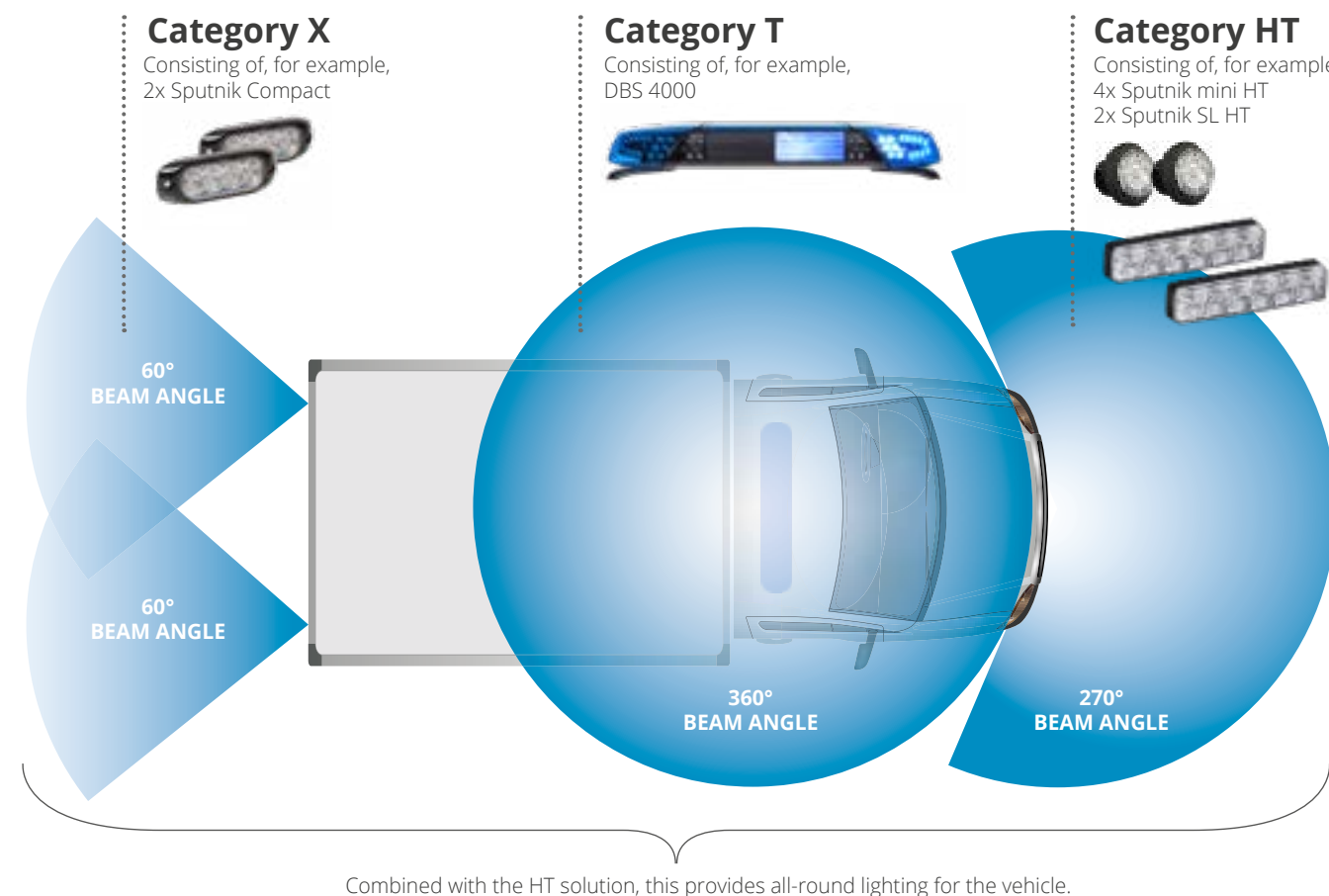
±30° horizontally, relative to the horizontal reference axis of the lamp body. ±8° vertically. Directional warning lights with light emission in a specific direction.

Category T

360° horizontally, around the vertical reference axis of the bar / warning light. ±4° vertically. Complete all-round warning light.

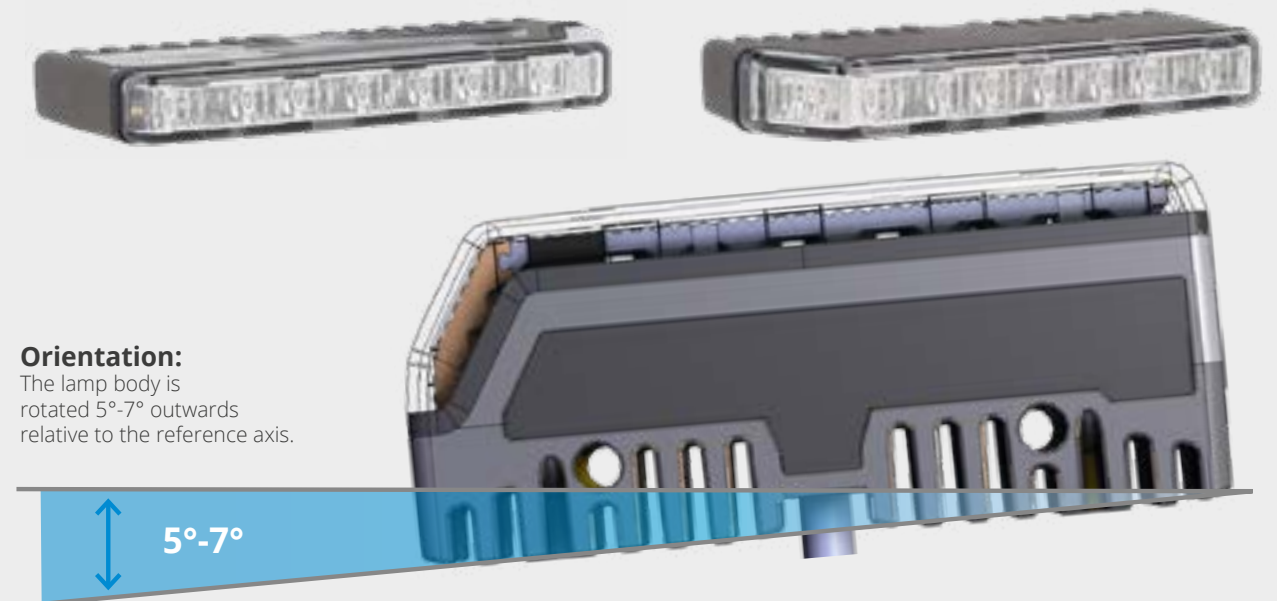
Category HT

±135° horizontally, from the vertical longitudinal plane of the vehicle. ±4° vertically. When used in combination, the modules replace an all-round warning light at the rear, front or corners of the vehicle.



Special versions

SPUTNIK HYBRID WIDE ANGLE



An alternative for situations where the installation of HT solutions compliant with approval regulations is not possible, but where high visibility is required, particularly in complex traffic situations: Thanks to its homologation as a wide-angle version with a slightly different installation, the Sputnik Hybrid wide-angle directional warning light is an ideal alternative, for example, for vehicles without an engine bonnet. The slightly angled front end further accentuates the hybrid's inherent cross-over effect.

SPUTNIK FLAT BBS



Available in horizontal and vertical versions: The Sputnik Flat BBS is now available for a wide range of installations and as a light with three functions (direction indicator, brake light and tail light). This makes it particularly suitable, in combination with the numerous other flat variants, for the installation of uniform lamp bodies or in situations with limited space.

SPUTNIK HYBRID BLINKER



The Sputnik Hybrid directional warning light is also available in a version designed as a direction indicator, for example for integration into bespoke design solutions.

HT versions



SPUTNIK FLAT HTB VERSION (horizontal/vertical)

SYSTEM CONSISTING OF:

- 4 Sputnik Flat HT horizontal lamp bodies
- Or 4 Sputnik Flat HT vertical lamp bodies



Important:

Sputnik Flat Vertical only
approved with angle wedge

Top view rear section



Sputnik Flat HTB vertical version



Version Sputnik Compact + mini HTB

SYSTEM CONSISTING OF:

- 2 Sputnik Compact HT lamp bodies
- 2 Sputnik mini lamp bodies with mounting ring (rubber)
- 2 Sputnik mini lamp bodies with mounting shell 15°



Version Sputnik mini HTB

SYSTEM CONSISTING OF:

- 4 Sputnik mini lamp bodies with mounting ring (rubber)
- 2 Sputnik mini lamp bodies with mounting shell 15°



Version Sputnik mini + Hybrid HTB

SYSTEM CONSISTING OF:

- 2 Sputnik Hybrid lamp bodies
- 4 Sputnik mini lamp bodies with mounting shell 15°
- Also available as a four-piece set! (2 Sputnik Hybrid HT lamp bodies + 2 Sputnik mini lamp bodies)



Version Sputnik mini + SL HT

SYSTEM CONSISTING OF:

- 2 Sputnik SL HT lamp bodies
- 2 Sputnik mini lamp bodies with mounting shell 15°
- Also available as a six-piece set! (example on the right)



Sputnik SL versions

SYSTEM CONSISTING OF:

- 4 Sputnik SL lamp bodies
- Also available with 3 Sputnik SL lamp bodies



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THINKING FORWARD

SIGNAL FOR SUSTAINABILITY

WITH RESPONSIBILITY FOR A COMMON FUTURE

At HÄNSCH, we regard sustainability as a holistic approach that goes far beyond environmental protection. With sophisticated processes and innovative technology, we work every day to reduce our ecological footprint and make a sustainable contribution for future generations.



Further information on
sustainability can be
found on our website.

Overview of our measures

We reduce our carbon footprint through efficient technologies and renewable energy sources such as photovoltaic systems and heat pumps. Our buildings are energy-optimized and enable a largely self-sufficient supply of electricity and heat.

Our waste management processes are also well designed: low-emission ventilation systems, consistent separation and the direct recycling of reusable materials ensure an efficient circular economy.

The concept of sustainability is firmly anchored in our corporate philosophy. We create secure jobs, promote a good work-life balance, maintain fair partnerships and invest long-term in energy-efficient technologies as well as regional value creation. These measures are already showing results – our energy consumption per square meter is steadily decreasing, while the share of renewable energy continues to grow, positively shaping our sustainable future.



OUR CONTRIBUTION TO THE SUSTAINABILITY TRIANGLE

ECOLOGICAL SUSTAINABILITY

- Climate protection through CO₂ reduction
- Biodiversity through green outdoor facilities with habitat for insects
- Water protection and soil care through sophisticated environmental management plans

SOCIAL SUSTAINABILITY

- Safe, healthy workplace for all employees
- Promotion of the compatibility of family and career
- Responsible dealings with suppliers and partners

ECONOMIC SUSTAINABILITY

- Long-term investments in energy-efficient technologies
- Regional value creation and fair business relationships
- Future competitiveness through sustainable economic management



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