

## Adjustment of the reflector to the inclination angle of the terrain?

Not necessary. The moment the cars' light hit the reflector it lights up. A direct back reflection is not required to warn the animals, the blue light suddenly appearing is enough.



## Installation without gaps!

It has become apparent that animals will cross just and directly through an opening in a row created by missing reflectors. Quote: "The reflectors are tremendously effective! It has to be kept in mind, however, that game try to circumvent the "reflector fence" in the case of heavy traffic". Therefore an occasional control is recommended.

## Road traffic law / Harmonisation of standards

Basically, reflector posts are traffic installations and therefore any change or addition to them are subject to pertinent authority approval. The rules and regulations are subject to each different country's authorities and have to be followed in detail.

The shape of the profile does not hinder the cleaning of the guide posts by the road services.



**Accidents with game animals**  
**Avoid them with blue semicircle reflectors!**  
 Petty patent no. 2 02004019751.0

## Functionality:

The semicircle reflector is fitted with a microprismatic reflex film (3M) such as it is known from reflecting road signs. With an angle of reflected beam of 1,5° the light from the vehicle hitting the film creates a continuous high intensive light fence along the roadside. The even curve of the carrier material reflects the light in decreasing intensity further to the side without the whole surrounding area being lightened up unnecessarily.



Return Address:

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Phone: \_\_\_\_\_

I ask for:

- Quotation
- Delivery of \_\_\_\_\_ pieces
- Reply to this question

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## Death on the road

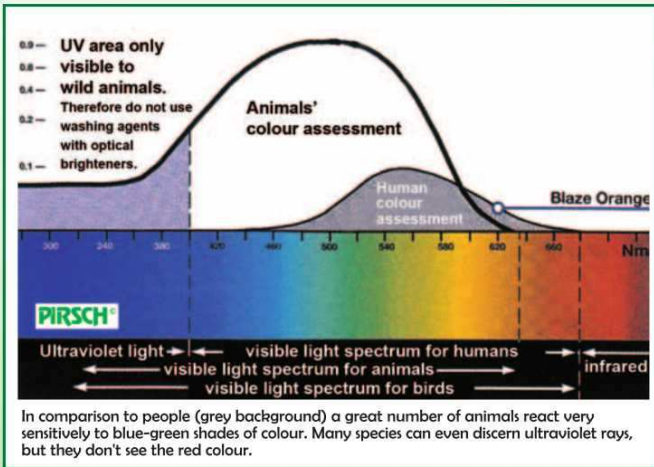
**Accident statistics in Germany**  
 from April 2007 to March 2008

- 201 000 roe deer
- 23 000 wild pigs
- 3 800 fallow deer
- 2 300 red deer

These are just the accidents that were reported!

The Federal Statistics Authority  
 published, for the year 2004,  
**24 road deaths and**  
**3.328 seriously wounded persons.**

**This is what we want to avoid!**



and is felt as strange, i.e. potentially dangerous. A number of scientific papers about how animals see colours have been published in Europe and the USA.

### Why blue?

Wild animals can only see and distinguish green and blue colours, yet the latter right into the UV sector! Red and orange are totally indistinguishable and only seen as different shades of green – which is why, on a hunt, we wear red high visibility clothing. For humans these garments have an intensive signalling effect, but for animals they just merge with the surroundings. In contrast, blue is a really terrifying colour as it does almost never appear in nature

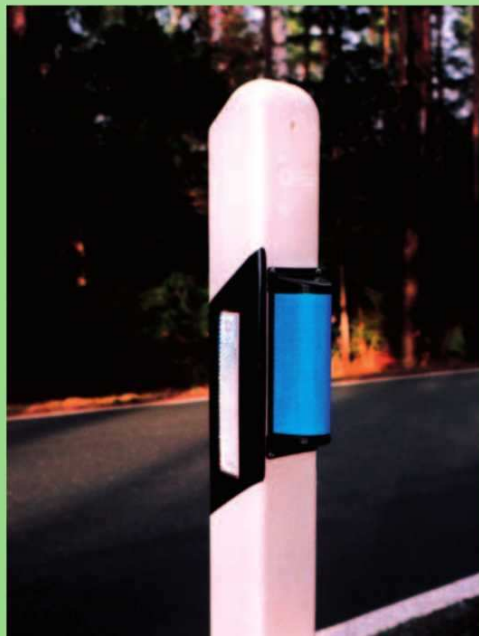


In the eyes of wild animals the red jacket, the green colour of the tree, the brown of the autumn leaves and the withered grass result in a mixture of green shades.

### Mesopic vision

(Sensitivity of light – dark contrasts)

- The light sensitive rods in the eyes of hoofed game account for about 90% of the vision receptors. Only about 10 % ("cones") are responsible for colour vision.
- The openings of the hoofed game's pupils' are up to nine times larger than a human's.
- The rods responsible for mesopic vision perceive the light energy emitted by the blue colour as particularly bright – we see it as a dark blue.



### Why semicircle reflectors?

(DBGM no. 20200409751.0)

The semicircular shape has to do with the animals' vision of motion. Herbivores in particular have their eyes on both sides of their heads in order to avoid enemies. They don't see very clearly, but they react very sensitively to any kind of movement (as hunters know from experience!) The semicircular shape of the reflector in combination with the cars' constantly changing angle of light impact simulates movement as in a hologram.



### Conclusion from practical experience

The evaluation of more than 200 questionnaires concerning areas where semicircular reflectors have been installed for more than a year shows a decline in nocturnal road accidents with roe deer by 73%.

### Habituation effect?

On the basis of present experience there is no danger of habituation as, on the one hand, the colour blue will always remain strange to the animal, signifying danger, and on the other hand there are new generations growing up all the time (the average life expectancy of roe deer, for example, is about 3 years as a lot of them will be shot while being young).

### Technical description

Base body of weather-proof polypropylene copolymer. Heat resistant, good impact resistance even in low temperatures, no splintering. UV protection by carbon black.

Films: microprismatic reflecting film by 3M Scotchlite™ Diamond Grade

Dimensions of the light-reflecting module:  
H 150, W 65, D 44 mm.  
Weight: 70 g  
4 screws enclosed

