



## Daytime running light

### Dimmed low-beam headlights

Daytime running light is more topical than ever, and is now already required in many European countries. Driving with low beam on all the time has its disadvantages, however:

- Increased fuel consumption, as all headlights and lights are always switched on.
- The replacement rate of the light sources increases considerably.
- In addition to the material costs, sometimes not inconsiderable costs for the replacement of the light sources arise at garages.
- The warning effectiveness of low beam is lower than that of special daytime running lights (see Fig. 1).

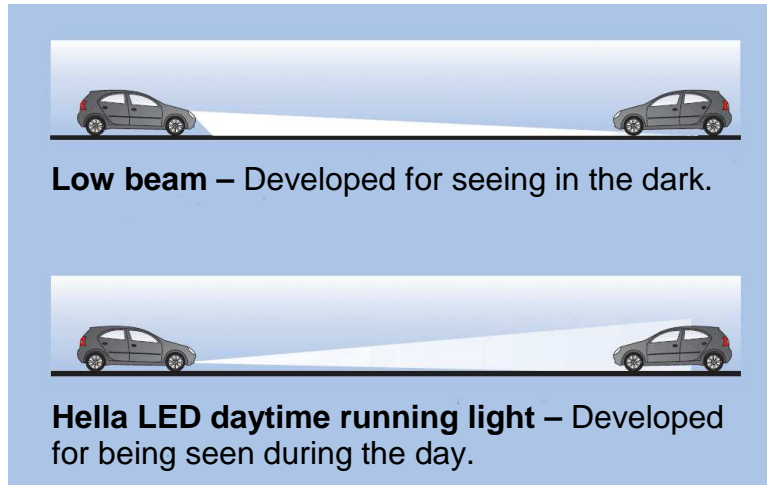


Fig. 1

Also available on the market are special electronics which switch on the low beam only (see Fig. 2).



Fig. 2

However, this low beam is additionally dimmed – according to one manufacturer by approximately 50%. This means that the luminous flux (the total light output emitted by a light source) is reduced so much that the stipulated minimum value is not reached – this is prohibited by legislature.

**The reason: A headlight is given type approval for its form, light source and function.**

This means that the daytime running light generated by the electronics represents an additional lighting function which was not taken into consideration during the type approval. As a result, the headlight loses its approval.