

Adaptive light functions

Concept


Adaptive light functions enable dynamic illumination of the roadway.

General information

The adaptive light functions may consist of one system or multiple systems, depending on the equipment version:

- Adaptive Light Control, refer to page 171.
- Cornering light, refer to page 171.

Activating

 Press the button on the light switch element.

The LED in the button lights up.

The adaptive light functions are active when the drive-ready state is switched on.

Adaptive Light Control

General information

Depending on the steering angle and other parameters, the light from the headlight follows the course of the road.

To avoid blinding oncoming traffic, the Adaptive Light Control does not swivel to the opposite lane when the vehicle is at a standstill.

Cornering light



In tight curves, for instance on mountainous roads or when turning, an additional, cornering light is switched on that lights up the inside of the curve when the vehicle is moving below a certain speed.

The cornering light is automatically switched on depending on the steering angle.

When driving in reverse, the cornering lights may be automatically switched on regardless of the steering angle.

Adaptive headlight range control

The adaptive headlight range control compensates for acceleration and braking operations in order not to blind the oncoming traffic and to achieve optimum illumination of the roadway.

High-beam Assistant

Concept

The high-beam Assistant detects other traffic participants early on and automatically switches the high beams on or off depending on the traffic situation.


General information

The high-beam Assistant ensures that the high beams are switched on, whenever the traffic situation allows. In the low speed range, the high beams are not switched on by the system.

The system responds to light from oncoming traffic and traffic driving ahead of you, and to ambient lighting, for instance in towns and cities.

The high beams can be switched on and off manually at any time.

Activating

1.  Press the button on the light switch element.

The LED in the button lights up.