



## LED daytime running lights

### Design and function

Three Luxeon LEDs are used as the light source. These LEDs have a service life of more than 10,000 hours and are therefore particularly suited to continuous operation. In comparison with these, a 12V H7 headlight bulb (usually for low beam) has a service life of just about 450 hours. 3 special, computer-calculated, faceted reflectors distribute in accordance with the legal requirements the light emitted by the LEDs. Due to the low power consumption of only 5 W at 12 V, there is no additional fuel consumption worth mentioning. Both variants are waterproof systems. The cover lens is made of PC with protective paint and has a clear design without optical elements.

The lights are switched on automatically when the engine is started and switch off only when the parklight or low beam is switched on, or when the engine is switched off again. It is therefore not possible to forget to switch off the daytime running lights.

The lights are ECE and SAE type-approved. They meet the requirements of ECE Regulation 87 for special daytime running lights.

Vehicles that are equipped with our daytime running lights do not need to be presented to the TÜV. An entry in the vehicle papers is not necessary either. Extracts of the type-approval documents are enclosed with the lights as printed mounting instructions.



Round LED daytime running light version



Rectangular LED daytime running light version

### Electrical connection

The lights are designed for a multi-voltage supply of 9-33 volts. This means that these lighting systems can be used on vehicles with 12 V and 24 V vehicle electric systems. On some vehicles, terminal 15 (ignition +) can be tapped in the engine bay. This means that the wiring can be carried out entirely in the engine bay. In the case of other vehicle



models, the triggering to the central electrics must be laid in the vehicle.

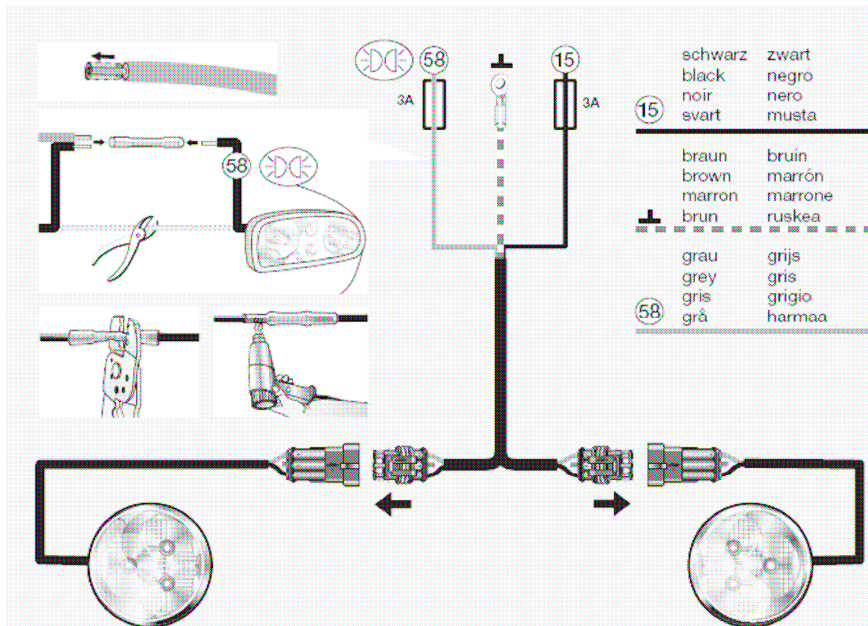


Fig.: Electrical connection

The light is supplied with a fixed 30-centimetre-long connection cable. The three-wire connection cables are protected by a plastic sheath. A waterproof AMP Supersealed plug is fastened to the three cable ends.

The scope of supply of the set includes a pre-assembled harness with three-pole counter-plugs. Should a spare part be required, the counter-plug is available from Hella and AMP.

In the case of the universal installation variant, the time required for installation depends on the vehicle.

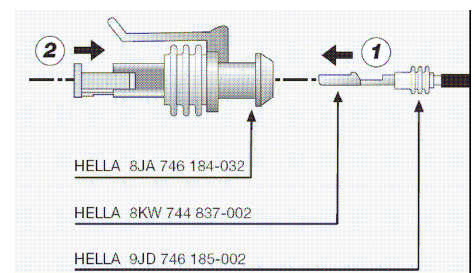


Fig.: Counter-plug with PINs