
LEDayFlex
Hella

LEDayFlex

The world's first flexible daytime running light

The "**LEDayFlex**" set
is made up of two control units
and two pre-wired module chains
with five to eight individual modules each.
Each of the five to eight individual modules has a diameter of 30 mm
and is connected to the others by a cable 85 ± 5mm long.
This allows you to create an individual and flexible design.

2-pin extension cables 500 mm long are available as an option for installation between the light modules and the control unit, as are AMP two-way connectors for you to make your own harness.

Tip:

You can purchase the complete connection cable set from a specialist retailer. The pre-fitted connection cable set with matching plug is used for connection to the vehicle.

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Installation areas:

1. Engine compartment
2. Interior
3. Cover area

Before you start, please consider exactly how the **LEDayFlex** modules are to be attached. Where permanent driving light or daytime running lights are installed as standard, the electrical connection and application possibility should be checked before installation. When LEDayFlex is used as a position light, the standard position light must be disabled in accordance with ECE-R 48. ECE-R 48 also specifies the exact position in which the lights may be installed in terms of height and width (see pages 10 and 11). More detailed information can be found in the **LEDayFlex** mounting instructions or at: www.daytime-running-light.com.

The cable has to be routed from the engine compartment to the interior first. This is possible at the point shown (1). Since the fuse box with terminal 15 is at the side of the dashboard in the Audi TT, the connection cable set is extended with the aid of the blue cable.

Determine where the fuse box is in your car. Normally, the connection you need (terminal code 15) is in the engine compartment. In the case of the Audi TT the fuse box is in the vehicle interior, on the left-hand side of the dashboard.

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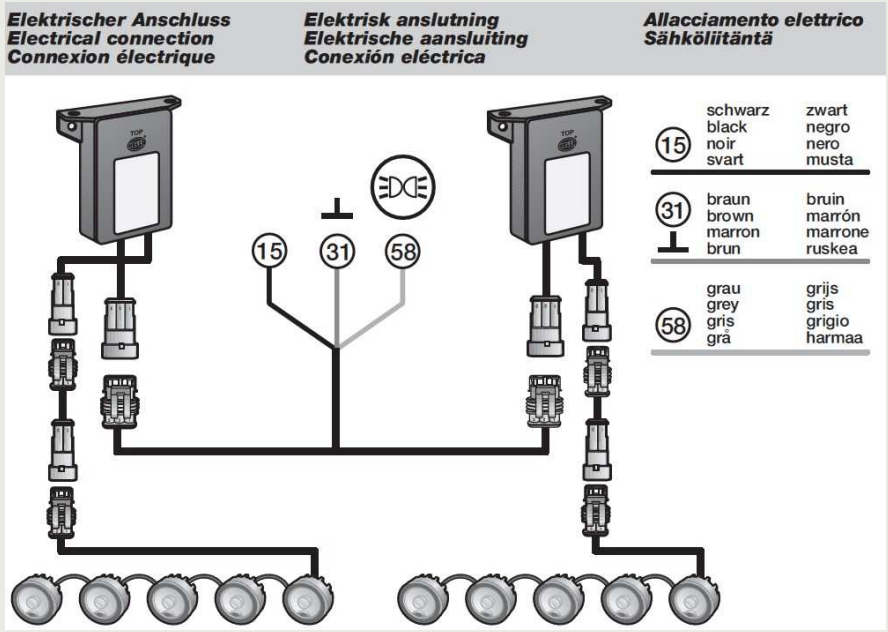
Then you can connect the cable in the engine compartment with the connection leads on the control units. Connect the blue cable (ignition plus, terminal 15) to the black cable. The grey cable has to be connected with the aid of insulated splice or snap-lock connectors to the position light cable (terminal 58) at the central plug of the headlights (PIN 2, grey-red cable), so that the lights are switched off when the parking light or low beam are switched on.



Finally, all you have to do is fix the brown cable with the eyelet to a suitable ground point.

Rather than using the LEDayFlex connection cable set, you can also prepare the wiring yourself.

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If the central electrics are on the vehicle interior like with this Audi TT, remove the trim under the dash first.

Now you can connect the extension cable to terminal 15.

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Then the control units can be connected to the harness. A relay for triggering the light and switching to position light is not necessary.

After the underbody protection has been removed, the two control units can be fixed in place behind the left and right covers on the splash panel.

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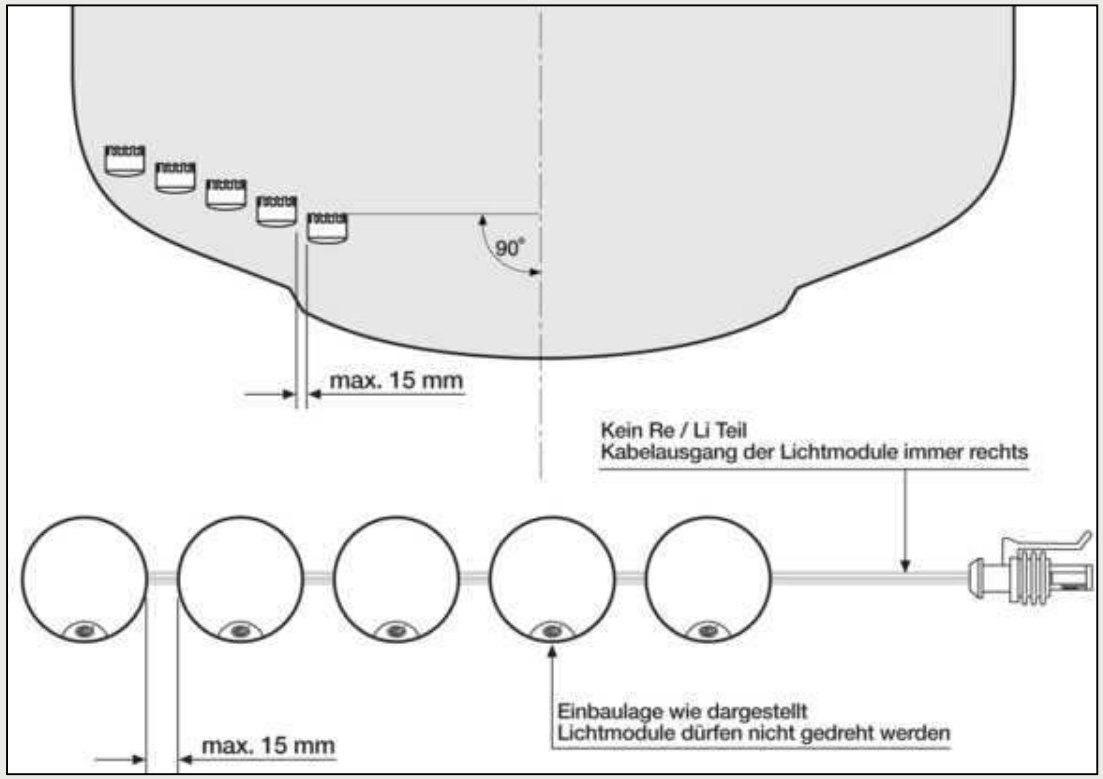

Important: During mounting work, the general installation requirements as described in detail in the mounting instructions must be followed. Thus, for example, the LED modules must be aligned parallel to the vehicle's longitudinal axis and the distance between the individual modules must be min. 1 mm and max. 15 mm. In addition, ECE-R 48 specifies the exact position in which the lights may be installed in terms of height and width.

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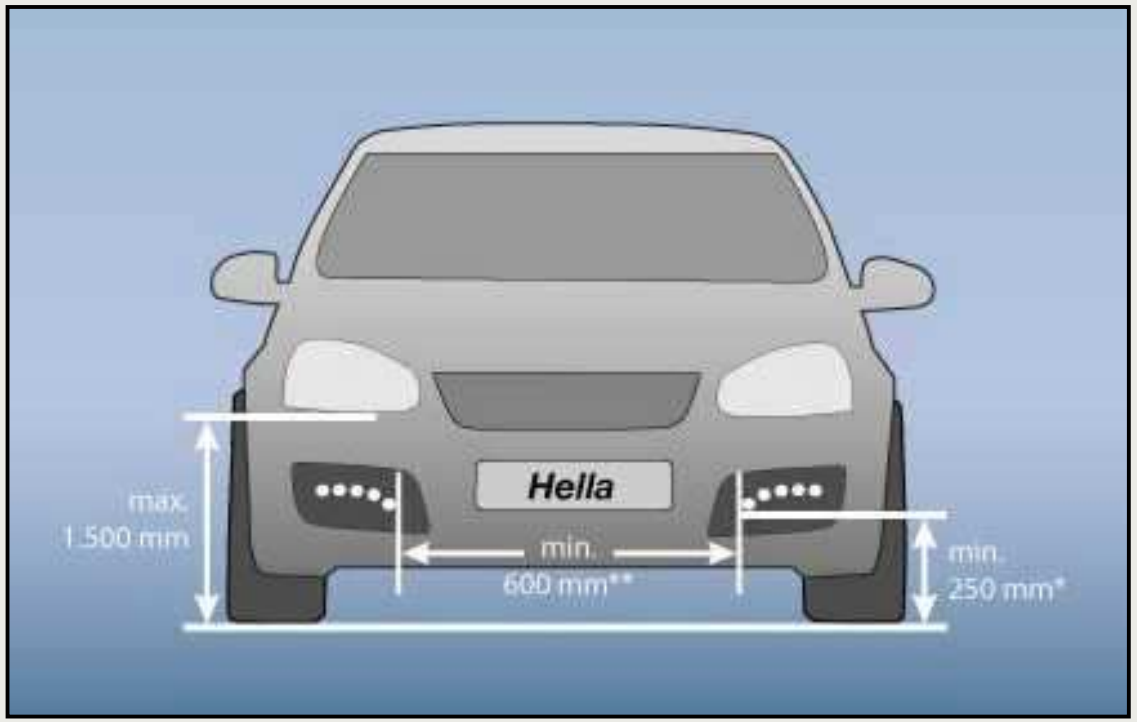

* When used as a position light, the minimum attachment height must be 350 mm and the maximum distance from the outside edge must be 400 mm.

** In the case of vehicles with a width <1,300 mm, the distance has to be at least 400 mm.

*** When LEDayFlex is used as a position light, the standard position light must be disabled in accordance with ECE-R 48.

Consult the internet for further legal requirements and attachment regulations. More detailed information can be found in the LEDayFlex mounting instructions or at www.daytime-running-light.com.

The individual LED modules now have to be mounted. The right and left-hand trims on the front bumper are suitable for this. Since the lights are part of a universal daytime running light set, the covers have to be utilized.

Tip:

A Dremel, fret saw and file are what you need for the recess!

In this case, a metal plate was used for attaching the individual modules. There are threads for two screws on each individual module, these can be used for the flexible positioning of the module. The LED modules were screwed to the metal hoop, then riveted to the plate and fixed in the cover.

Important:

The LED modules must be aligned parallel to the vehicle's longitudinal axis.

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Once the LED modules have been mounted, the lights only have to be connected to the control units and then the covers inserted into the front apron.

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Hella wishes you safer journeys with your individual LEDayFlex design!

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