

# LED DayFlex

**Installation story  
VW Golf Plus (MY 01/2005 → )**



## 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 ± 5 mm long.

This allows the creation of an individual and flexible design.



2-pole 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-assembled connection cable set with matching plug is used for connection at the vehicle side.

## LEDayFlex

### Range overview



#### Daytime running light modules without and with position light

|   |                        |
|---|------------------------|
| 5 light modules Daytime running light                   | <b>2PT 010 458-801</b> |
| 5 light modules Daytime running light / Position light* | <b>2PT 010 458-811</b> |
| 6 light modules Daytime running light                   | <b>2PT 010 458-821</b> |
| 6 light modules Daytime running light / Position light* | <b>2PT 010 458-831</b> |
| 7 light modules Daytime running light                   | <b>2PT 010 458-841</b> |
| 7 light modules Daytime running light / Position light* | <b>2PT 010 458-851</b> |
| 8 light modules Daytime running light                   | <b>2PT 010 458-861</b> |
| 8 light modules Daytime running light / Position light* | <b>2PT 010 458-871</b> |

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

## LEDayFlex

### Range overview of accessories *(not included in the scope of supply)*

|  |                        |
|--|------------------------|
| Connection cable set incl. two-way connector | <b>8KA 165 959-001</b> |
| Extension cable 2-pole 500 mm                | <b>8KB 178 139-001</b> |
| AMP two-way connector (1 set)                | <b>8KW 744 807-801</b> |
| AMP two-way connector (10 units)             | <b>8JA 746 184-032</b> |
| Plug-type contacts (50 units)                | <b>8KW 744 837-002</b> |
| Individual seals (50 units)                  | <b>9GD 746 185-002</b> |



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### *Additional material for mounting the LEDayFlex modules*

#### **PRACTICAL TIP!**

Due to the design differences in the case of front aprons on current vehicles, additional mounting material may, in some cases, be necessary to fasten the lights. You can usually make suitable holders yourself (with a little skill). Commercially available punched strip, angle brackets or small metal rails (see illustration), for example, are helpful here.



These can then be adapted individually to the respective mounting situation.

It is important that the mounting brackets made are well protected against corrosion.

Recommendations are therefore: mounting brackets made of stainless steel, aluminium or zinc-coated material.



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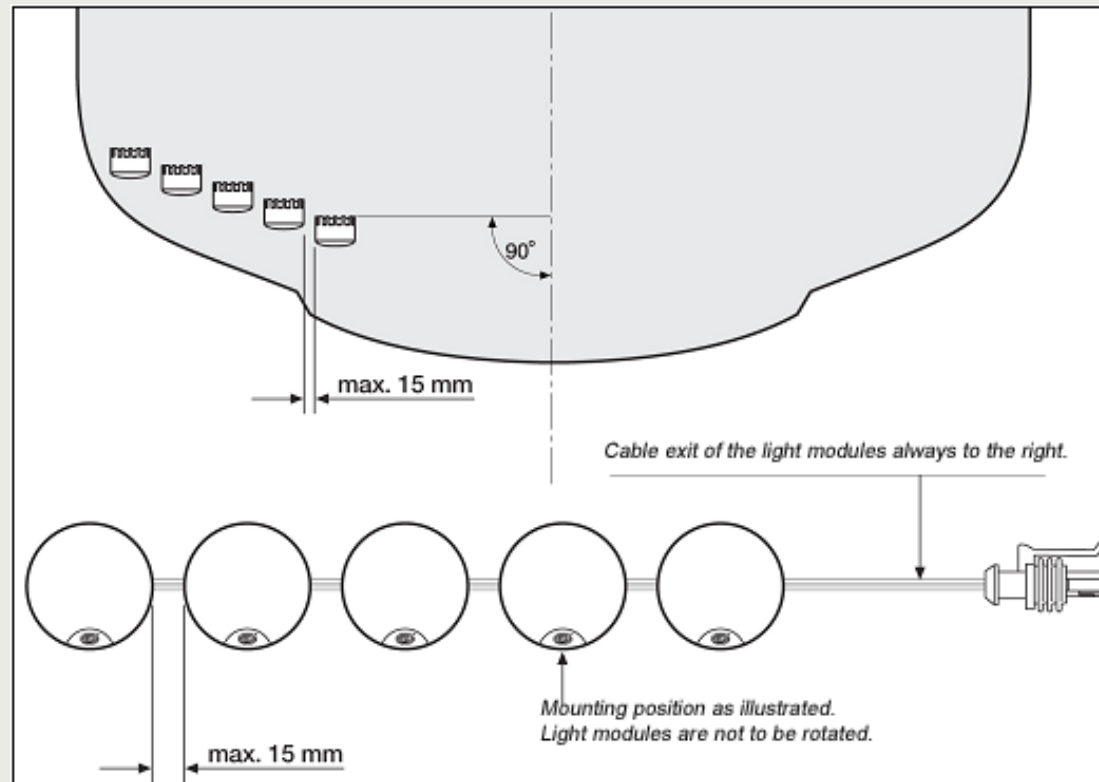
Before you start the installation, please consider exactly how the **LEDayFlex modules** are to be attached.



Where permanent driving light or daytime running lights are installed as standard, the electrical connection and application possibility should be checked before installation. More detailed information about installation regulations can be found in the **LEDayFlex** mounting instructions or at: [www.daytime-running-light.com](http://www.daytime-running-light.com).

## LEDayFlex

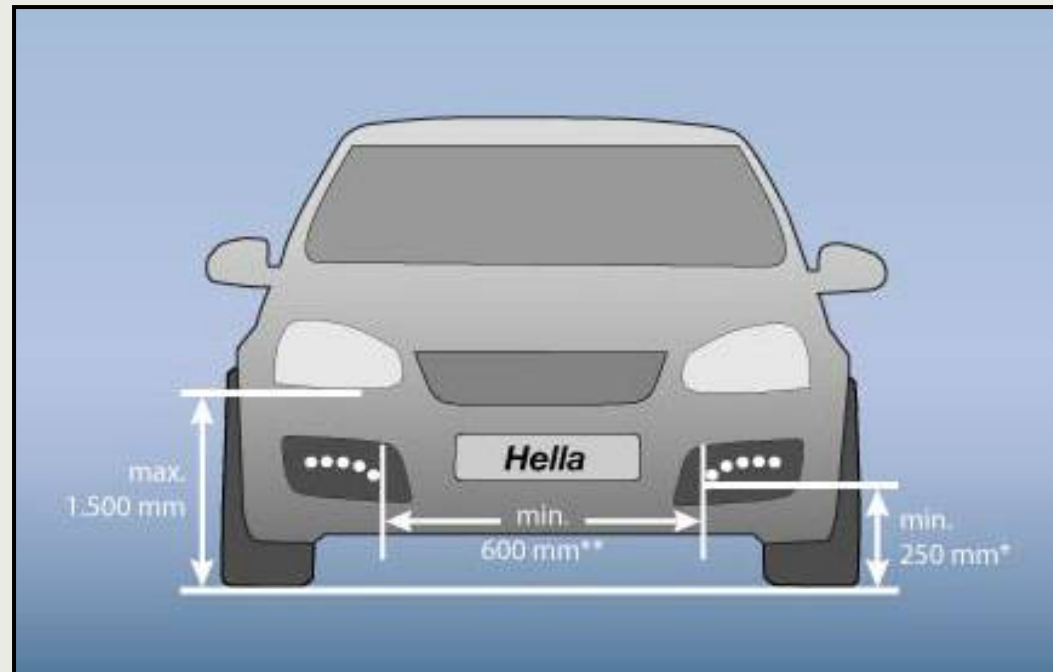
*The world's first flexible daytime running light*



**Important:** During mounting, 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 permanently disabled in accordance with ECE-R 48.

For more information on legal stipulations and attachment regulations please consult the Internet. More detailed information can be found in the LEDayFlex mounting instructions or at [www.daytime-running-light.com](http://www.daytime-running-light.com).



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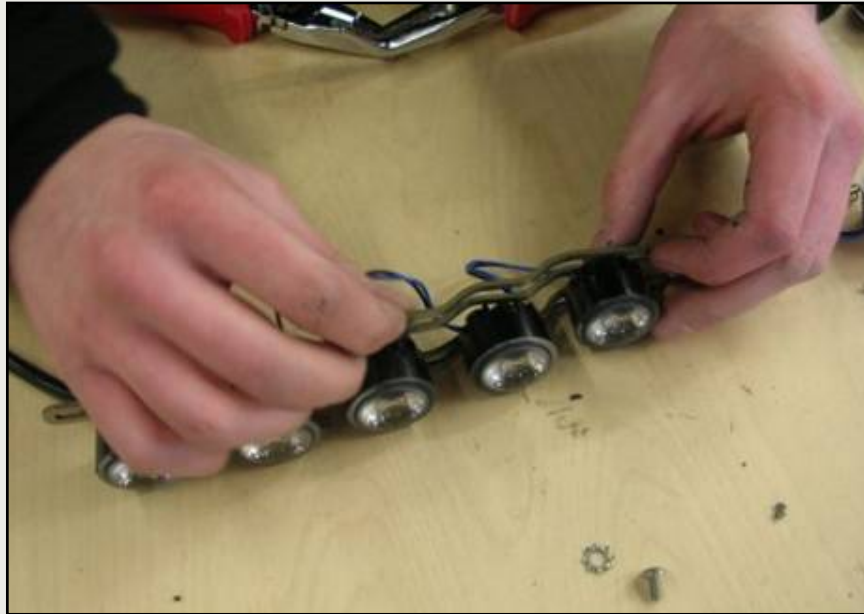
Before placing the light modules, mark the mounting area on the vehicle apron. You will need a metre rule and a water-soluble felt tip to mark the exact positions of the daytime running lights.

Then you can dismount the bumper and use a hole saw to work it.



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The advantage of the stainless steel rails is that these can be adapted individually to the vehicle sweep. Then the LED modules can be screwed to them.

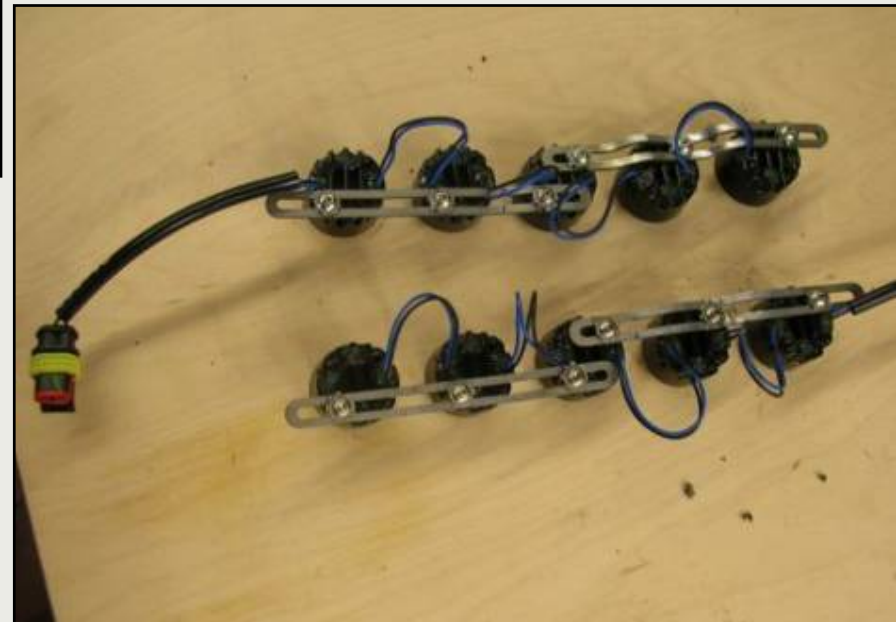
### **Important:**

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

In this case, stainless steel rails were used to fasten the individual modules in place.

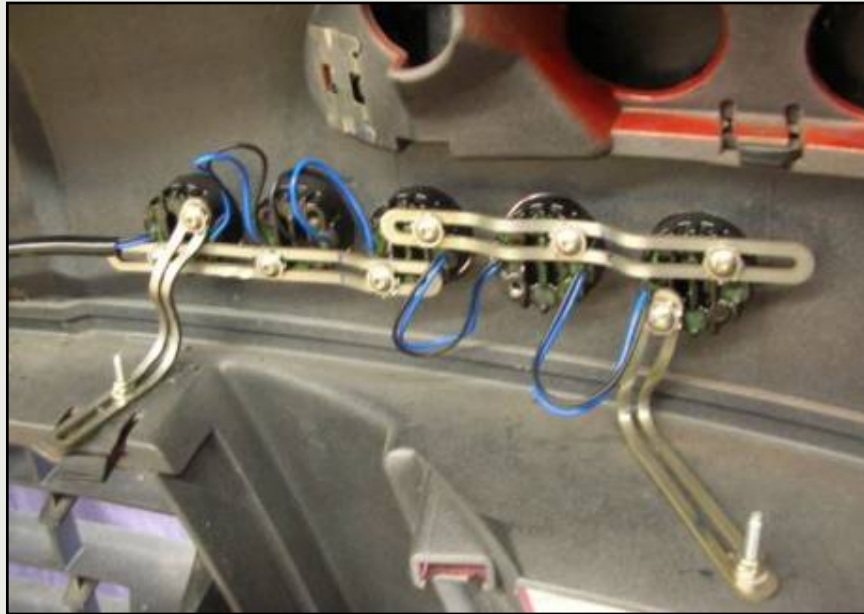
**(see “additional material” on page 5)**

There are threads for two screws on each individual module, these can be used for the flexible positioning of the module.



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Once the holes are the right size (3 cm diameter) and the modules the right distance apart (1-15 mm), the daytime running light can be inserted and fastened to the front apron. In this case, the stainless steel brackets were used again for mounting.





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After the modules have been attached to the vehicle front, connection to the vehicle can begin.

#### Our recommendation:

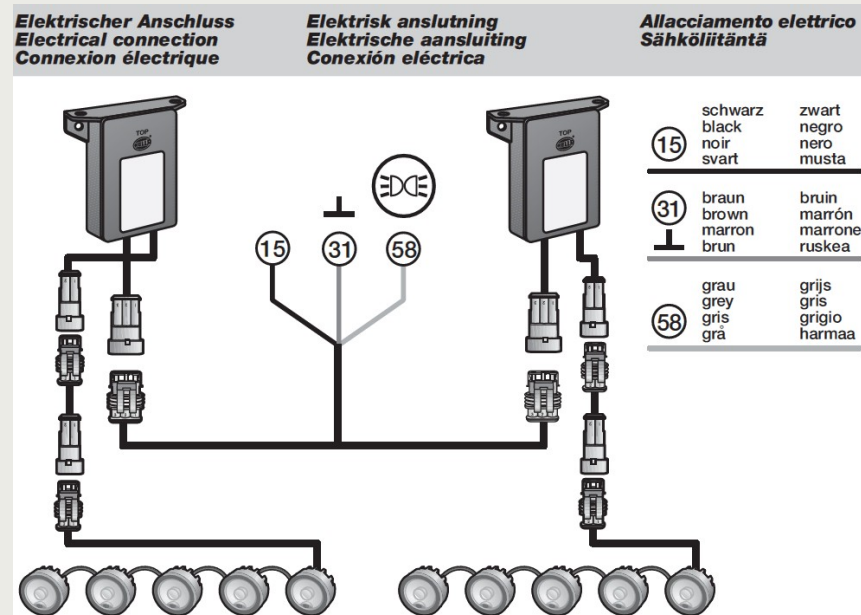
Use the professional harness from Hella (8KA 165 959-001\*, see page 4) and proceed as follows:

- Connect the **black cable** to terminal 15 (ignition plus).
- Connect the **grey cable** with the aid of butt joints or incision connectors to the position-light cable (terminal 58) at the central plug of the headlights, so that the lights are switched off automatically when the parking light or low beam are switched on.



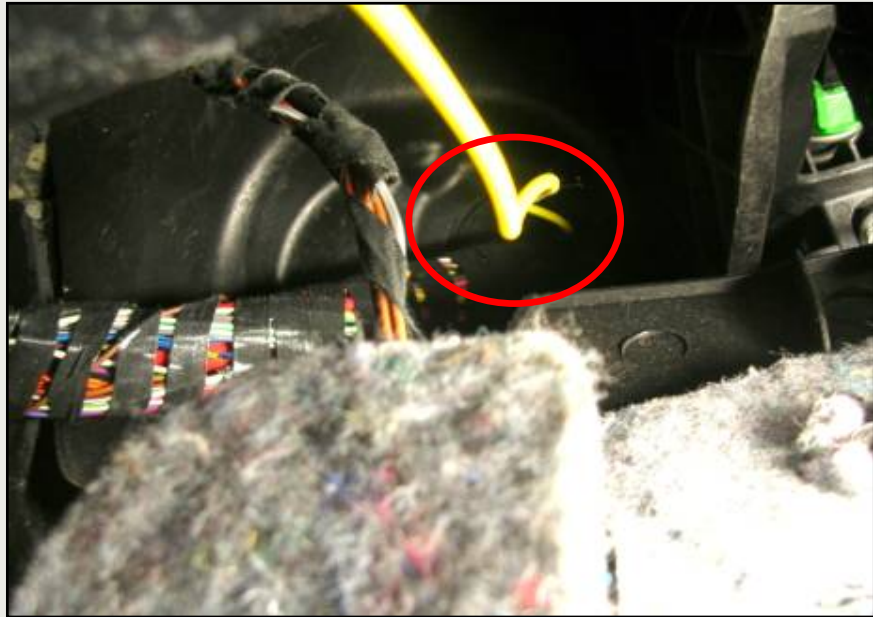
- Fasten the **brown cable** with the eyelet to a suitable earth point.

\*Rather than using the LEDayFlex connection cable set (8KA 165 959-001), you can also prepare the wiring yourself.



## LEDayFlex

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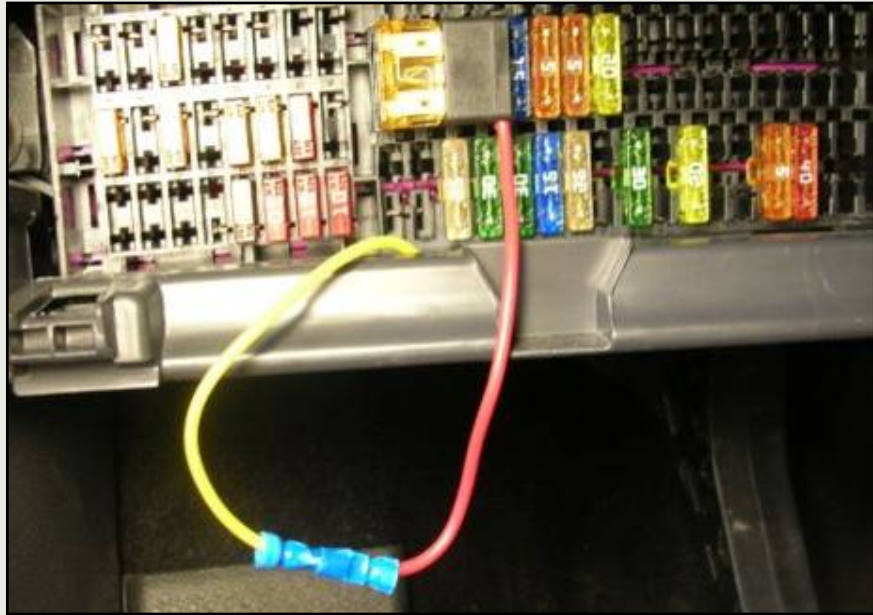
As described above, connect the black harness cable to terminal 15. On the Golf Plus, this is in the fuse box which is installed inside the vehicle underneath the dashboard. To do this, the black cable has to be extended by about 1 m (s.h. the yellow cable) so that it can be routed into the vehicle interior.

There is a rubber grommet underneath the battery for the main harness in the bulkhead.

This can best be reached from the vehicle footwell. The cable is now routed through the grommet with the aid of a welding wire (see fig.)

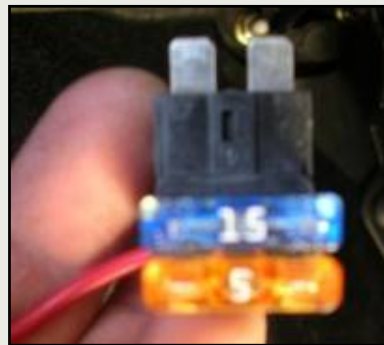
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Terminal 15 is tapped at the rear windscreen wiper fuse at slot 28 using a fuse adapter.

Then the grey cable (terminal 58) is connected to the position-light cable (grey-black) of the left-hand headlight. Finally, all you have to do is fasten the eyelet of the brown cable to a suitable earth point.





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Once the lights have been connected up in the vehicle, the two control units for the daytime running lights have to be fixed in the engine compartment. Then the control unit cables can be routed to the daytime running lights.



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**Hella wishes you a good trip with your individual LEDayFlex design!**