

Lighting

Electrics

Electronics

Thermal
Management

Sales
Support

Technical
Service

**Our Ideas,
Your Success.**

Installation story DRL 24 V

LEDayFlex Set



**Ideas today for
the cars of tomorrow**



The set comprises two control units and two pre-wired module chains with between five and eight individual modules each. Each of the five to eight individual modules is 30 mm in diameter, and they are all connected by a cable 85 ± 5 mm long. This allows you to create 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-fitted connection cable set with matching plug is used for connection at the vehicle side.

Daytime running light modules with and without position light

5 light modules daytime running light	2PT 010 458-801
5 light modules daytime running light/position light*	2PT 010 458-811
6 light modules daytime running light	2PT 010 458-821
6 light modules daytime running light/position light*	2PT 010 458-831
7 light modules daytime running light	2PT 010 458-841
7 light modules daytime running light/position light*	2PT 010 458-851
8 light modules daytime running light	2PT 010 458-861
8 light modules daytime running light/position light*	2PT 010 458-871

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

Accessories (not included in the scope of supply)

Connection cable set inc. two-way connector	8KA 165 959-001
Extension cable 2-pole 500 mm (1 unit)	8KB 178 139-001
Extension cable 2-pole 500 mm (12 units)	8KB 178 139-002
AMP two-way connector (1 set)	8KW 744 807-801
AMP two-way connector (10 units)	8JA 746 184-032
Plug contacts (50 units)	8KW 744 837-002
Individual seals (50 units)	9GD 746 185-002

Installation is explained step-by-step below:

1 Before you start 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. When LEDayFlex is used as a position light, the standard position light must be disabled in accordance with ECE-R 48. In addition, ECE-R 48 specifies the exact position in which the lights may be installed in terms of height and width.

2 First, mark the holes required on the finisher of the IVECO Stralis. Make sure there is equal distance between the modules (max. permissible distance between the modules: 15 mm). Take your time and work exactly. This will save you time and work later.



3 To remove the finisher the module chain is to be installed in, loosen the screws used to fix the finisher in place inside the vehicle.



Installation of LEDayFlex in IVECO Stralis

4 Loosen the screws used to fix the finisher in place inside the engine compartment as well and then remove it carefully.

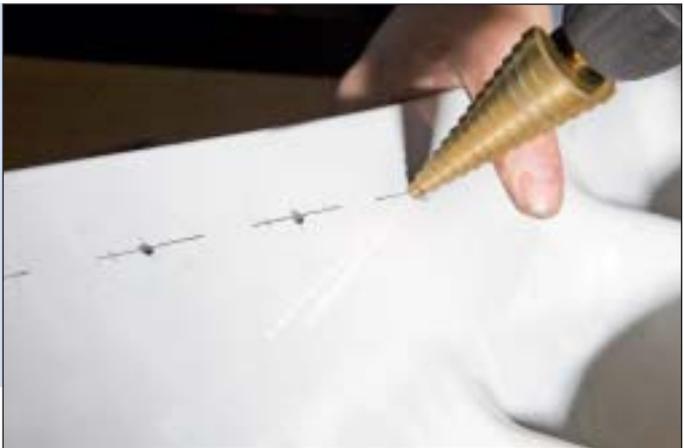


5 Drill the fastening rivets open and remove the holder with the rubber strip. Now unscrew the holder on the finisher. If you do not do this, it will not be possible to drill the holes for the LED modules.



6 Now drill the holes at the points shown in step 2 in the respective size for the modules (diameter 30 mm).

Information about the dimensions can be found in the general installation manual in the packaging.



Installation of LEDayFlex in IVECO Stralis



Check the size of the holes at intervals by holding the modules in place. You could drill the holes too big, which would result in a poor appearance. So check the diameter regularly during drilling.



7 Now you have to deburr the holes by hand using a deburring tool.

8 Then insert the modules in the holes provided. Make sure they are aligned evenly. The modules must be aligned at a 90° angle to the vehicle front-end, with the Hella logo facing down/at six o'clock. This guarantees a uniform, attractive appearance.



Installation of LEDayFlex in IVECO Stralis



9 To attach the individual modules to one another, small stainless steel rails that can be adapted easily are the ideal solution (see fig.). Then attach the complete “chain” to the plastic panelling using two holders.

Different front apron designs for current vehicles means that additional installation material may be required to attach the lights in some cases. You can usually make suitable holders yourself with a little skill. Helpful aids include standard punched strips, angle brackets or small metal rails (see fig.).

These can be adapted individually to the respective installation situation. It is important that the brackets made are well protected against corrosion. For this reason, brackets made of stainless steel, aluminium or galvanised material are recommended.



10 In addition, reattach the removed holder (see step 5) to the finisher. Rivet this in place from the inside, where the LEDs are. Riveting from the outside will prevent the rubber from fitting. Now carry out installation steps 2-10 for the other side, too.



Installation of LEDayFlex in IVECO Stralis



11 Now fit the control units for the daytime running lights on the left and right in the engine compartment. Then you can connect the cable in the engine compartment with the connection leads on the control units.



12 Connect the blue cable (ignition plus, terminal 15, terminal 15 fuse must be connected at the additional slots on the right in the fuse box) with the black cable. The grey cable has to be connected with the aid of butt joints 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 eyelet of the brown cable to a suitable ground point. Rather than using the LEDayFlex connection cable set, you can also prepare the wiring yourself.



Installation of LEDayFlex in IVECO Stralis

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



14 Finally you can fit the finishers equipped with the daytime running light modules back onto the vehicle front-end.



15 The result of the installation not only looks good, it will make you and your vehicle safer.

www.daytime-running-light.com
www.hella.com/upc

