

Grille integration kit for LED driving lights



Mounting instruction Isuzu D-Max Gen. 3 (2019-2023)

Scope of delivery

- 2x High-power LED driving lights
- 4x Radiator grille mounting brackets
- 4x Cutting guides
- 1x wire harness

Thank you for choosing our EURALIGHT LED driving lights. Before you start installing your new driving lights, please read these instructions carefully to avoid damage.

We would like to point out that only the supplied mounting material may be used. We accept no liability for damage to your vehicle during and after installation. We recommend having the installation and electrical connection carried out by a specialist workshop. If you have any questions, please do not hesitate to contact us.

Legally compliant installation

Please inform yourself about the national legislation on the use of auxiliary headlights in road traffic before installation.

Care instructions

Keep the headlights clean. Dirt on the lens and housing can shorten the service life of the product. We recommend cleaning the lens and housing with lukewarm water only. Please ensure that you do not clean the lights with a high-pressure cleaner. Most lights cannot displace water at high water pressure from a short distance.

WARNING!

Chemical cleaning agents or alkaline solutions should not be used to clean the lights. Some chemicals contain a small amount of solvents that can dissolve sealant adhesives and affect the watertightness of the lights.

Important

The supplied mounting brackets have only been adapted and developed for the drivinglights included in the scope of delivery. The specific mounting brackets were developed for the original Isuzu radiator grille and are not suitable for replicas.

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Tools required



Installation step 1

The radiator grille does not need to be removed to install the LED driving lights. The upper cover above the radiator grille only needs to be removed/detached to connect the wiring harness to the lights. Position the cutting guides as shown in the picture. We recommend using a multi-tool for this purpose.



Installation step 2

Cut through the radiator grille rib in a straight cut at the cutting guide. Carefully separate reinforcing louvre without scratching the grille. Deburr the edges with fine-grained sandpaper.



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Installation step 3

Now attach the mounting brackets to the lights using the hexagon socket screws. The black rubber ring is fixed between the light and the bracket. You can adjust the tilt and angle of the lights using the slotted holes in the mounting bracket.



Installation step 4

Slide the lights with the brackets over the cut ends of the radiator grille ribs until they audibly click into place. Check that the angle and inclination of both lights are identical. If necessary, readjust this using the side mounting.



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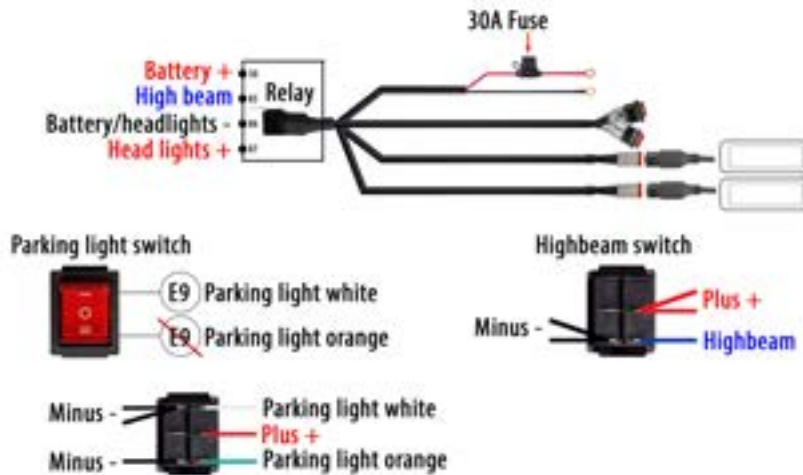
Installation step 5

Using a 3 mm drill bit, drill holes through the holes in the brackets into the plastic housing below. Secure the brackets to the plastic housing using the screws included in the package. Now repeat the process for the inner brackets.



Installation step 6

Establish the electrical connection according to the wiring diagram.



HOW TO CONTROL THE SUPER BRIGHT MODE:

When you switch on the high beam for the first time, it is set to E mode (road-legal). To switch to super-bright mode, switch on the high beam for 2 seconds, then let the high beam light up twice. The integrated module then switches to Super Bright mode (for off-road only). To switch back to E mode, switch the high beam off for 5 seconds, then switch the high beam back on and let the high beam light up twice.

Enjoy your new EURALIGHT LED driving lights

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IMPORTANT NOTE: Installation of the Euralight LED Grille Kit – Vehicles with CAN Bus

The included Euralight wiring harness fully handles the power supply to the LED unit and protects the vehicle's electrical system via an integrated relay system. However, the wiring harness does not replace the vehicle's signal processing.

1. Technical Background Information

Modern vehicles use a digital CAN bus to control the lighting. The high beams are electronically switched and are often additionally regulated via PWM (pulsed signal). Therefore, a stable 12V signal is not directly available. This can lead to limitations when installing aftermarket components such as the Euralight grille kit. The included wiring harness with relay and fuse is designed for conventional 12V vehicle architectures.

2. Typical symptoms with a direct connection

- Error message in the on-board computer
- Flickering of the LED headlights
- Delayed or unreliable activation
- Partial shutdown of the lighting

3. Cause

CauseThe cause lies in the discrepancy between vehicle diagnostics and LED technology:

- The CAN bus monitors current consumption
- LEDs consume significantly less power than halogen bulbs
- The vehicle interprets this as an error

4. Solution

To ensure reliable and vehicle-safe control in modern CAN bus systems, we recommend using a CAN bus interface in combination with an intelligent power supply solution.

For example, the use of an **XBB dongle** in conjunction with the **XBB Power Unit** has proven effective:

- The **XBB Dongle** reads vehicle-specific signals directly from the CAN bus
- The **XBB Power Unit** provides a clean, switched 12V power supply
- This enables error-free and manufacturer-compliant control of auxiliary consumers
- At the same time, error messages in the vehicle electrical system are avoided

Note: Installation should only be performed by qualified technical personnel. Please also observe the vehicle-specific manufacturer specifications.