

# Driving Light Harness (UNIVERSAL)



## Installation Instructions

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As with the installation of all auto-electrical equipment, we recommend you make use of a qualified auto-electrician. That being said, a competent person should have little difficulty in installing a pair of Base6 LED driving lamps (or LED bar) using this harness and instructions. OZLED Pty Ltd accepts no liability for loss or personal injury that occurs as a result of incorrectly installing driving lights.

1. Disconnect the negative post on the battery - be sure to make a note of any radio or immobiliser codes prior to disconnection.
2. Securely bolt the driving lamps to the vehicle bull bar or similar appropriate attachment point. Please be aware of the legislation in your jurisdiction regarding attachment and placement.
3. Locate a suitable location in the engine bay to secure the relay and relay base. Ideally the base should be oriented so that the wires hang straight out of the bottom. The relay base should be somewhere relatively clean and dry, away from sources of extreme heat (exhausts, turbos etc.). The base may be screwed to the inner guard or cable tied to an existing harness.
4. Insert the relay into the base. We recommend you apply some grease to the relay pins to ease insertion and prevent corrosion.
5. Carefully route the power harness (with inline fuse) to the battery positive. Where possible, follow the factory wiring harnesses. Cable tie the power cable at regular intervals. Position the inline fuse as near to the battery positive as possible, making sure you can easily locate. Murphy's law ensures that the fuse will only blow in the dark!
6. The positive ring terminal should be securely attached to the battery positive using an OEM attachment point.
7. The negative harness can be run earthier to the battery negative or to a good chassis earth point. We highly recommend against drilling a hole and using a screw for this. You should try and locate the point that the standard headlights are earthed at the inner guard and use that.
8. Carefully run the left and right driving lamp cables (with the grey plugs) to your driving lamps. It does not matter which goes to which, the plugs are the same. Be careful to follow the same route as the factory wiring where possible. Pay particular attention to the fan, ensure your cables cannot be snagged or caught by moving parts. Push the plugs into the sockets on the rear of the driving lamps until you hear the click. If you are not using Base6 LED Driving Lamps (shame on you!), female plugs which attach to the harness can be supplied to fit your driving lights, please call the OZLED sales team.

9. The switch harness will now need to be run into the cabin through a grommet in the firewall. Most vehicles will have a suitable grommet which can be utilised. If in doubt refer to either your local franchised dealer or call OZLED Tech support for guidance. On older vehicles it may be necessary to very carefully drill a hole in the firewall and install a new grommet.
10. Pass the white 4 pin Molex plug through the hole in the firewall and run the cable to a position suitable to accommodate the switch. Take great care when running the cable to ensure it cannot interfere with the safe operation of the vehicle controls. Once the cable is run, make use of silicon sealant to ensure a waterproof barrier between the cabin and the engine bay.
11. Return to the engine bay and locate the wiring at the rear of your headlights, choose the headlight with easiest access to the wiring. Locate the the 3 pin connector on the back of your headlight globe (3 connections are typically Common - High Beam - Low Beam). Locate the wire which changes state when switching to high beam, in most instances, this wire will give 12Vdc when high beam is selected (notable exceptions being Toyota Hilux & Landcruiser). Carefully attach the Yellow/Blue wire from the driving light harness to the High Beam wire you have located. This attachment may be made by either soldered joint or Scotchlok or similar. Locating the High Beam wire is often the hardest part of the installation, we recommend speaking to your franchised car dealer or to OZLED if you struggle to locate it.
12. Assuming you have successfully located your high beam wire and attached the yellow/blue wire to it, you can then select the appropriate switch harness from the kit. If your high Beam wire gave a 12Vdc signal when high beam was selected then you should use the Positive Switched patch lead, likewise if your high beam was negatively switch (e.g. Toyota) then select the Negatively switched harness.
13. Plug your chosen patch lead into the white 4 pin connector (it is keyed so you can't get it wrong) and connect the patch lead black connectors as shown in the diagrams further on in these instructions.
14. Choose an appropriate location for your switch and carefully drill a 12.5mm hole. We highly recommend you install the switch in a switch blank, this way you have not permanently damaged your dash board if you decide to relocate the switch at a later date. OZLED stock a range of switch panels to suit most modern Utes and 4x4 to accommodate upto 4 additional switches without the need to drill holes.
15. Push the switch through your hole and screw the knurled nut on to secure the switch.
16. Prior to reconnecting the battery, have a good look through your installation to ensure you have made no mistakes. Remove all your tools and carefully reconnect the battery negative. Assuming you have made no mistakes, nothing should happen!
17. Insert a 20Amp blade fuse into the inline fuse holder, again nothing should happen.
18. Turn your headlights onto high beam and flick the driving light switch. If you did everything right, the LED driving lamps should come on and the end of the switch should illuminate.

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Leave the switch on and turn the head lights off, the driving lamps should also turn off. Test all your other equipment to ensure all is well and then sit back and admire your handiwork.

