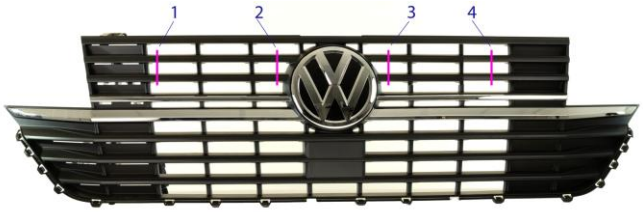
Placing the cut guide



With the grille installed on the vehicle, place the cut guide sticker to the grille. Align with the spokes. (Or use measurements 5 cm from the first spoke opening in the grille to the first cut line (1) and 27 cm to the 2nd cut line (2).)

Cut the grille

Cut the grille using a thin saw and the cutting guides from the stickers. We cut away the top vertical bars and leave the bottom vertical bars for better visuals.
(Blue guides on the picture is a legacy item and not provided)

Fasten the brackets to the lamp

Ensure you use the supplied locking discs or loctite. It's a recommended bolt position as far out in the bracket as possible. It will make a good position for lamp adjustment later. Tight the inner bolt with 8 Nm. The outer bolt should be tightened 3 Nm, slightly looser allowing you to adjust the light pattern easily.

Slide in the lamps

The lamp slides into the open space with the outer side first. It will clip into the side and lock itself. On the inner side, you should drill a 3,5 mm hole and screw it securely with the supplied self tapping screw.

Secure the lamp with the screw

Adjust the lamps

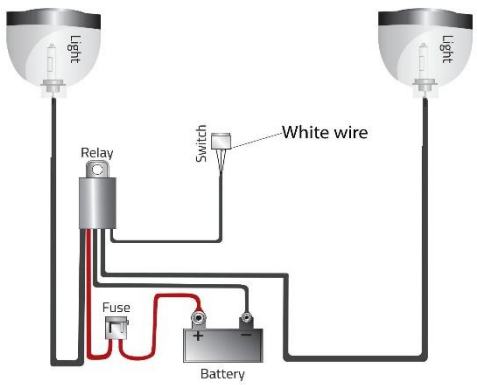
Lumen brackets come with big flexibility of adjustments to the lamp and light beam. With the center bolt well tightened and the side bolt a bit looser, it's easy to move the side of the lamp in and out. This will allow you to choose a wider or narrower light pattern.

Adjust the light up and down, so the light shines all the way to the end of an alley without the light stopping into the road. It should shine all the way through.

After lamp adjustment is completed, insert the plastic pieces into the screw holes to improve visuals and secure the lamp against theft.

Wiring tips

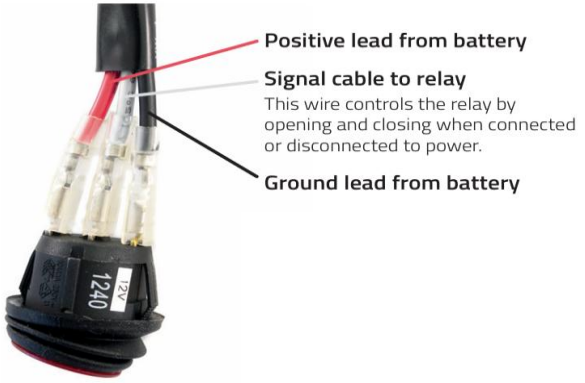
The lamps should use a DT relay harness SKU: 14719
And it should be connected as shown below.



Most of us want to control the lamps with the car's light switch. In such case, disconnect the white wire from the relay harness' switch and connect this white cable to the car's high beam signal.

Alternative wiring

Control the relay with the vehicle's high beam signal



Supplied switch with relay harness.

Canbus signal

Many cars require a Can adapter for a high beam signal. If you are unable to find or measure a 12v high beam signal in your lamp, check out your options with XBB or Modernum from your supplier.

For this particular car we can recommend using Modernum MO651200 because it saves about 1 hour. Because the LED-lamps are so powerful it is recommended to use the Modernum as a signal provider and use a relay harness (14719) as the main provider of power to the LED-lamps. In such case connect the Modernum output to the white signal cable on the relay harness (14719).

The can high/low wires are found on the driver side lamp main connector. Follow the instructions on Modernums website and download the correct software for your car there.

LUMEN

Grille kit for light integration

VW Transporter 6.1

147101

For video instructions scan this with your phone and follow the link

Important! Ensure you have T6.1 and not T6 grille before you begin! And not Highline