The package includes:

- 1 x Blade LED bar
- 1 x Control unit with connection wiring
- 2 x Mounting plates
- Locking strip for license plate
- 2 x M6 screws and 2 x washers
- 6 x Self-drilling screws

NOTE: Before you begin the installation

If your car has LED or xenon high beam, an interface **(e.g. XBB Dongle, not included)** is required to read the high beam signal. Check that your car is compatible before installation. See separate instructions from XBB.

Product facts

- Easy installation
- Controlled via halogen high beam or XBB Dongle (not included) for LED/xenon high beam
- Suitable for 12/24V (XBB installation is only for 12V)

Safety & preparations

- LED bar and controller become very hot – avoid touching them during operation.
- Keep heat sinks clean for optimal performance.
- Ensure installation complies with applicable laws for auxiliary lighting.
- Route cables along existing wiring, avoiding hot or moving parts.

Mounting the Ledson Blade behind the license plate

1. Remove the locking strip and license plate, but keep the license plate holder in place.
2. Attach the supplied mounting plates (see image 1) to the bar ends, without tightening them (M6 screws and washers). You can change the side of the brackets depending on the desired placement (recessed or protruding).
3. Slide the bar's mounting plates up behind the holder to the desired height, approximately a few mm below the holder.
4. Screw the bar through the holder and into the bumper (see image 2) with 2–3 screws per side. If the holes in the license plate holder do not match – drill new ones.
5. Reattach the license plate and secure it with the locking strip (see image 3).

Supplied mounting plates with protruding or recessed placement

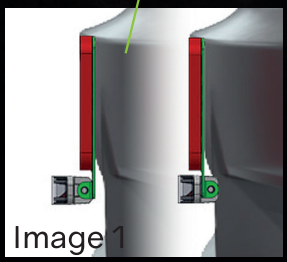


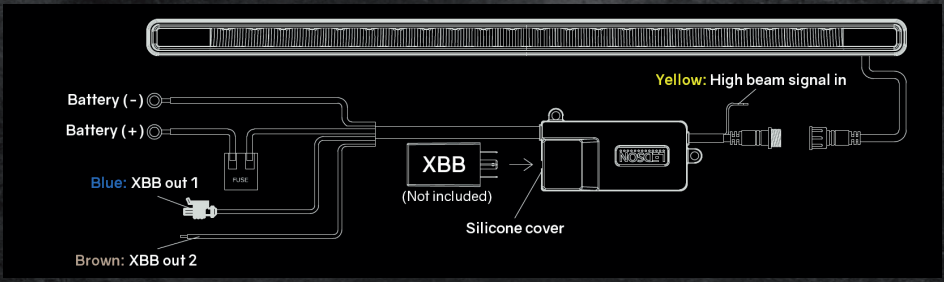
Image 1

Image 2

Image 3

Electrical connection

1. Pull the LED bar's cable into the engine compartment (not yet connected to the control unit).
2. Connect the LED bar's cable to the control unit via the 3-pin connector. Tighten to make it waterproof.
3. Red cable is connected to the battery's positive terminal (+), or another suitable positive power source.
4. Black cable is connected to the battery's negative terminal (–), or a chassis ground point.
5. Mount the control unit in an open area, preferably against a metal surface – it gets warm (around 60–70°C).



High beam control – Two options

Option 1: Halogen high beam

- Connect the yellow cable to the vehicle's positive wire (+) for the high beam bulb using either:
  - Cable splitter (included)
  - Ledson Connect adapter (not included). Adapter type depends on the vehicle's bulb model, e.g. H4, H7, H11.

Option 2: LED/Xenon high beam (XBB Dongle required, not included)

- Connect the XBB Power Unit into the control unit (remove rubber cap).
- Follow the separate XBB manual for programming.

Adjusting the beam pattern

1. Carefully loosen the screws in the bar's end caps.
2. If the desired angle is not achieved, the mounting ears can be adjusted by gently bending them. This is done with the bar mounted, but in some cases the bar may need to be dismantled first.
3. Adjust the light beam direction with the bar switched on.
4. When satisfied, tighten the screws alternately, making sure the beam pattern remains unchanged during the process.

Extra features (if needed)

Only when installed together with XBB Dongle

- Blue cable – **XBB out 1 (Max 5A)**
  Can be connected to a control signal on other relay wiring that will operate additional auxiliary lights or bars. Gives a signal out when the high beam is on.
- Brown cable – **XBB out 2 (Max 5A)**
  For controlling other functions from XBB output 2 according to the XBB manual.