HEADLIGHT TESTER

ANALOGIC PRODUCT RANGE

ALIGNMENT AND BEAM GUIDE

TYPE OF BEAM

Actual versions of beam on the market can be summarized in three main groups from end user point of view:

- Parabola version
- Lenticular version
- LED assembly

Parabola version consisting of a back slices panel and a bulb emitting the light projection.

Lenticular version consisting of a frontal lens emitting the light projection straight from the bulb through the lens

LED assembly version consisting of specific single LED assembly in a detailed cell.

ALIGNMENT

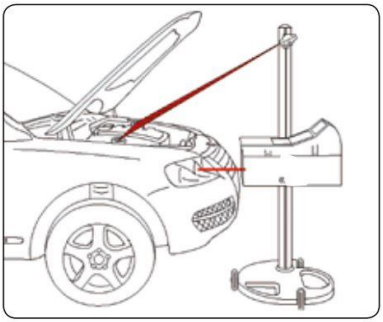
Vehicle should always be on a perfect plan, horizontally and vertically, especially for new intelligent beam technology

OK

Vehicle should be checked on tire pressure as well and car body integrity.

NO

Headlight tester has to be aligned through the visor (mirror or laser) so that the laser line or refence points on the mirror visor are corresponding to the identified symmetrical points on the car.



CENTERING THE BEAM

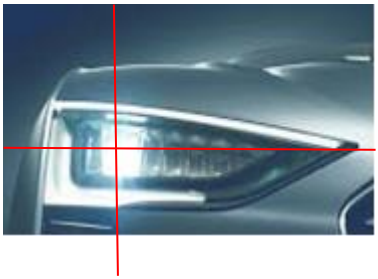
All TECNOLUX headlight testers are equipped with laser pointing system to ensure the correct aiming of the center of the beam/the bulb of the beam

- Parabola version
- Lenticular version
- LED assembly

Parabola version:
Optical laser pointing system must be directed on the beam bulb

Lenticular version:
Optical laser pointing system must be directed in the center of the lens

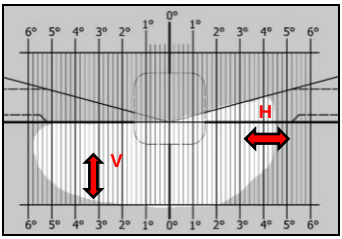
LED assembly version:
LED Assembly beam has to be checked, starting from low beam position centering the MASTER LED shape



HOW TO READ BEAM PROJECTION

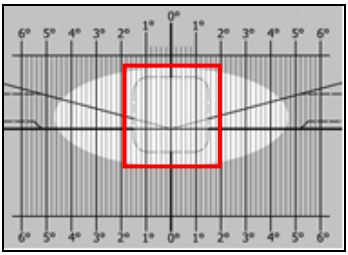
LOW BEAM TEST

Image aside is displaying a correct adjusted low beam.
If light projection should be displaced above or below and left or right towards the HV main reference line, adjustment must be done till reconducting the image as above display



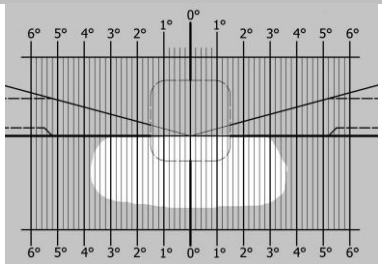
HIGH BEAM TEST

Image aside is displaying a correct adjusted high beam.
If light projection should be displaced above or below and left or right towards the HV main reference line, adjustment must be done till reconducting the image as above display



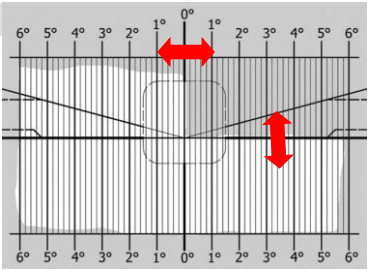
FOG BEAM

Image aside is displaying a correct adjusted fog beam.
If light projection should be displaced above or below and left or right towards the HV main reference line, adjustment must be done till reconducting the image as above display



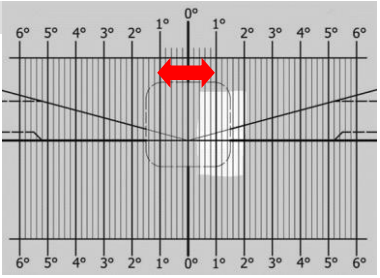
INTELLIGENT BEAM – ADDED SEGMENT

DLA – DYNAMIC LIGHT ASSISTANCE



Intelligent beam can also include added beam projection to low beam and high beam ones.
DLA is a function to be activated through specific scan tool through EOBD.
Usually all car manufacturer/EOM clearly determines values to be respected in such a projection position: check is linked to the position in the horizontal/vertical deviation

MATRIX SEGMENT



Intelligent beam can also include added beam projection to low beam and high beam ones.
MATRIX SEGMENT is a function to be activated through specific scan tool through EOBD.
Usually all car manufacturer/EOM clearly determines values to be respected in such a projection position: check is linked to the position in the horizontal deviation