

# Electronic Headlamp Aim



GUIDE

# A Guide to Using the Luminoscope® PLA 20

VOSA sites are equipped with electronic aim measurement devices and these can be used in a variety of ways:

- ▶ **Initial centre point alignment visually or electronically**
- ▶ **Aim measurement visually or electronically**
- ▶ **Headlamp aim adjustment visually or electronically**



You should check with VOSA or the ATF/DP where you present your vehicles which system is operated make sure you use consistent methods of inspection.

## This is an update on how to use the PLA 20 electronically

- ▶ Always clean your headlamps before test - Dirty headlamps can cause light scatter that is likely to lead to a fail
- ▶ Accurate alignment to the vehicle using either the mirror or the laser is crucial for correct aim testing in the left/right areas. Always ensure you have taken care to align correctly.
- ▶ Headlamp design has changed in recent years and finding the centre of the headlamp is more difficult. It is important to use the electronic positioning system to centre the optical head to the headlamp in all cases.
- ▶ For headlamps that are up to and including 850 mm high, a pass is achieved if when testing from the minimum red zone line to maximum red zone the green light illuminates.
- ▶ For headlamps that are above 850 mm high, a pass is achieved if when testing from the minimum blue zone line to maximum blue zone the green light illuminates.
- ▶ If the headlamp height indicator shows the headlamp to be adjacent to the marker, measure the height of your headlamp and test to the appropriate standards.
- ▶ Do not be concerned if the image break point appears to the left of the 2% vertical line when you test electronically.

### REMEMBER

#### Adjustment knob

From **Click 1** to **Click 3** = Headlamps up to and including 850mm high

From **Click 2** to **Click 4** = Headlamps above 850mm high

If your vehicle is presented unladen, your in-cab headlamp adjuster must be set in the unloaded position.

Always set your headlamp aim in accordance with manufacturer's instructions or at mid-point between the upper and lower standard.

For advice on headlamp aim check on [www.dft.gov.uk/vosa](http://www.dft.gov.uk/vosa), or contact your vehicle manufacturer.