

Electronic Headlamp Aim



A Guide to Using the Luminoscope® PLA 20



This machine has been introduced in VOSA sites and this is an update on how to use it 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 unloaded, 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 to gain the most benefit.

For advice on headlamp aim check on www.transportoffice.gov.uk
or contact your vehicle manufacturer