

CONFORM
ISO 10604

Luminoscope®

PLA 5

A USER-FRIENDLY HEADLIGHTTESTER
FOR RAPID AND ACCURATE TESTING AND AIMING

L.E.T.

L.E.T. NV
Vaartlaan 20
B-9800 DEINZE - Belgium
Tel +32 9 381 8787
Fax +32 9 386 9200

Luminoscope®

PLA 5

ELECTRONIC TESTING AND AIMING OF LOW BEAM, HIGH BEAM AND FOG LIGHT

The LUMINOSCOPE PLA 5 tests and aims any kind of headlight, always with the greatest accuracy.

Top quality materials guarantee the stability and solidity of the apparatus. The extra large lens catches the light-beam completely. This way testing and aiming of headlights can be done easily, quickly and precisely.

The LUMINOSCOPE PLA 5 exists in a mobile and a fixed rail model.

The apparatus does not need power supply.

USER-FRIENDLY

1. Align the aimer by means of the mirror (or laser).
2. Position the aimer in front of the headlight.
3. The height of the headlight and the inclination is indicated on the positioner stand. This value is set by turning the switch.
4. Check the kink-point with the reference lines on the screen.
5. Check high beam and fog light with the reference lines on the screen.

LARGE LENS

In the case of new light types, the kink-point is formed by the outer lightbeams, which can not be caught by a small lens. Many new headlights also have complex and large forms. That's why the optical head is equipped with an extra large lens that catches the lightbeam completely.



Luminoscope®

PLA 5

LOW BEAM, HIGH BEAM AND FOG LIGHT

The LUMINOSCOPE PLA 5 can be used to test and aim all types of headlights, i.e. low beam, high beam and fog lights. As European (ECE) and American (SAE) low beams are tested differently, the screen has reference lines for both ECE and SAE low beam.

FEATURES

- ★ Simple alignment by means of the **rotatable positioner stand** and the **large alignment mirror**. Alignment can also be done by means of a laser (see options).
- ★ Easy up-down movement of the optical head thanks to a **counter-weight** in the positioner stand.
- ★ The **stability** of the aimer is guaranteed by a **specially designed column section**.
- ★ A **water level** is visibly attached on the optical head, which can be levelled by turning the **handle** (mobile use).
- ★ The **test value** can be preset by turning the **switch**.
- ★ An extra **large lens** concentrates the lightbeam without optical distortion. Even the **newest light-types** can fully be caught.
- ★ A **clear image** is projected on an easy visible screen. Reference lines indicate whether the headlight is aimed correctly. All types of **headlights** can be tested and aimed in the same way.
- ★ A meter indicates the **light intensity**.
- ★ For cars, lorries, tractors, etc.
- ★ No power supply required.



VERSIONS

The LUMINOSCOPE PLA 5 is offered in three versions:

- LUMINOSCOPE PLA 5-NR: mobile version on rubber wheels for use without rails.
- LUMINOSCOPE PLA 5-SR: for mobile use with one loose, portable rail.
- LUMINOSCOPE PLA 5-DR: for use on a double-rail guiding system.

Ask for the technical brochure for more information on the different versions.

OPTION

- **Laser alignment**
A laser line is projected on the car, which makes alignment more accurate.
Laser alignment replaces the alignment mirror at the top of the positioner stand.

UPGRADABLE

- **Electronic aimer**
The LUMINOSCOPE PLA 5 can be converted towards an electronic aimer, model 20 or a digital aimer, model 1000.
- **Rails**
The mobile aimer can be mounted on one single rail or on a double rail guiding system.



**WITH
CALIBRATION
CERTIFICATE**

Technical specifications

Weight : 45 kg		Represented by:
Width : 670 x 600 mm		
Lens : 18 x 28 cm	Distance headlight - lens : 20-50 cm	
Hight : 1710 mm		
Test range : Lowest stand : 230 mm Highest stand : 1350 mm	Precision : 0.15 % position lightbeam	
Measurement of light intensity : 0-125 kcd		
Technical changes reserved		

L.E.T.

L.E.T. NV

Vaartlaan 20 • B-9800 DEINZE - Belgium • Tel +32 9 381 8787 • Fax +32 9 386 9200