

HEADLAMP AIMING SYSTEM

LUMINOSCOPE® LVC 1050





Electronic Testing & Aiming of all different types of headlamps

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L.E.T. AUTOMOTIVE Luminoscope°

LUMINOSCOPE® LVC 1050



The LUMINOSCOPE® LVC 1050 is a compact, digital headlight aiming system that can be used both for aiming and auditing the alignment of automotive headlamps.

It is based on the latest technology of image processing techniques by using an intelligent CMOS camera. The great advantage for the end user is that a PC is no longer required to operate the system.

Next to a more attractive price, this enhances the reliability of the system and the costs of after-service in comparison to PC operated systems.

The criteria that define whether the headlamp is aimed correctly, are fully pre-settable so that the LUMINOSCOPE® LVC 1050 aiming system can be modified to the customer's needs.

HEAVY DUTY RAILS

- Double rail guiding system with a hexagonal and a square rail.
- The rails can be adjusted to maintain and guarantee a perfect horizontal movement of the LUMINOSCOPE® LVC 1050 across the bay.
- The rail system is of great importance for the accuracy of the testing results and compensation of possible discrepancies of the concrete floor.

TECHNICAL DATA

Testing range:

below : 0-100 cm/10m above : 0-100 cm/10m left : 0-100 cm/10m right : 0-100 cm/10m

luminous intensity : 0-125 kCd

Dimensions (WxHxD): 600x1805x720 mm

Weight: appr. 75 kg

Measuring tolerance: ± 1cm/10m Measuring resolution: 1mm/10m Vertical positioning range:

<u>standard</u>: 300 - 1200mm

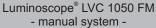
with a mechanical interface plate : other min/max

can be obtained

SPECIFICATIONS

Manual or automatic positioning on floor mount rails (FM) or suspended on a gantry (TM).







Luminoscope® LVC 1050 TM - manual system -



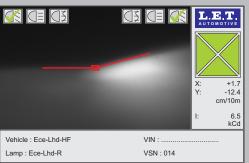
Luminoscope® LVC 1050 FM - automatic system -



Luminoscope® LVC 1050 TM - automatic system -

- Intelligent CMOS camera for recording and digitalizing the headlight image
- Operator panel with alphanumerical keypad and LCD screen with easy to understand icons. Indication of the cut-off line position - pre-programmable aiming/audit parameters.
- Unique Position Check System for the correct centering of the system in front of the headlight.
- Algorithms for aiming/testing of ECE, SAE and Japanese headlamps
 (low beams, high beams and fog beams) of all different types of headlamps:
 Xenon, Halogen, bi-elliptical, ...
- Menu structure for setting of a wide variety of parameters, such as inclination, tolerances, etc ...





- RS232 interface to transfer the test results to a computer
- ① Operational on rechargeable battery or through a power supply box
- Adjustment of the headlamps with semi-automatic screwdrivers (optional)
- Bluetooth communication (optional)
- VGA output for visualizing the camera image, cut-off line and measurement data





OPTIONS

APS - Automatic Positioning System

- The Luminoscope® module for automatic movement and positioning
- Sequential positioning of the Luminoscope® in front of the lamps that are programmed in the cycle
- Programming of the cycle can be done easily by trained plant personnel
- Software is available for advanced settings such as speed at different levels, impact of tracking error, frequency of zeroing and many more features



<u>C-DIS - Compact Double Intelligent self learning Screwdriver</u>

- The Luminoscope® module for computer controlled adjustment of headlamps
- C-DIS software offers smart screwdriver-control and parameters for optimal operation and speed
- Screwdrivers with LED lights can be provided for illumination of the aiming screw area (optional)
- Wireless semi-automatic screwdrivers (optional)

Calibration

Tools for the calibration of the LUMINOSCOPE® LVC 1050 are available at L.E.T. Automotive NV.

CONTACT

For more information about the LUMINOSCOPE® LVC 1050 or other headlamp aiming and testing systems, please contact L.E.T. Automotive NV or one of the distributors :



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