



**Luminoscope®**

HEADLAMP AIMING SYSTEM  
**LUMINOSCOPE® PLA 35**



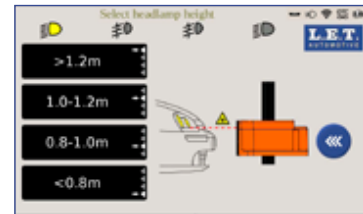
ELECTRONIC TESTING AND  
AIMING OF ALL TYPES OF  
HEADLAMPS





## LUMINOSCOPE® PLA 35

- Compact, digital headlamp aiming system
- Both for aiming and testing of headlamps
- Latest technology on image processing
- Programmable criteria to modify the system to customer's needs
- 7" colour touch display
- Alignment mirror



## HEAVY DUTY RAILS

- Single or double rail guiding system with a hexagonal and a square rail.
- The rail can be adjusted to maintain and guarantee a perfectly horizontal movement of the Luminoscope® PLA 35 across the bay.
- The rail system is of great importance for the accuracy of the testing results and for the compensation of possible discrepancies of the concrete floor.

## TECHNICAL DATA

### ■ TESTING RANGE

BELOW:	0-80 cm / 10m
ABOVE:	0-80 cm / 10m
LEFT:	0-100 cm / 10m
RIGHT:	0-100 cm / 10m
LUMINOUS INTENSITY:	0-125 kcd

### ■ DIMENSIONS (LxBxH) 665x670x1805 mm

### ■ WEIGHT ± 50 KG

### ■ MEASURING TOLERANCE ± 1 cm/10m (0,1%)

### ■ MEASURING RESOLUTION 1 mm/10m (0,01%)

### ■ VERTICAL POSITIONING RANGE

230 (centre lens - floor) - 1500 mm



## SPECIFICATIONS

- Headlight adjusting device with manual positioning on floor mount rails. A no-rail version on rubber wheels is also available.
- A counter-weight in the positioner stand allows an easy up-down movement of the optical block.
- The stability of the headlight tester is guaranteed by a special design of the column.
- Rotating positioner stand for manual alignment of the system with the longitudinal axis of the car.
- Large Fresnel lens.

- Menu structure for setting a wide variety of parameters, such as inclination, tolerances, etc...
- Intelligent camera for recording and digitalizing the headlight image.
- Operation panel with "7 colour touch LCD screen with easy to understand icons. Indication of the cut-off line position. Programmable aiming/audit parameters.
- Unique Position Check system for the correct centering of the Luminoscope® PLA 35 in front of the headlight.
- Algorithms for aiming/testing of ECE, SAE and Japanese headlamps (low beams, high beams and fog beams) of all types: xenon, halogen, bi-elliptical, LED, Matrix, ... For LHD and RHD traffic.
- Operational on continuous power supply and rechargeable battery (autonomy : ± 9 hr. continuous use).
- WIFI, USB, Bluetooth, RS232 interface for transfer of the results to a PC.





## OPTIONS

- LAN, CAN, GPRS communication
- HDMI output for visualizing the camera image and measurement data, with simulation of the cut-off line.
- Bluetooth ticket printer for printing the measurement data.
- Alignment laser : a laser line is projected on the car, which makes the alignment more accurate. The alignment laser is built into the alignment mirror on top of the positioner stand.
- Handle for easy manipulation of this alignment mirror.
- Point laser - parallel with the optical axis - as an aid for height measurement of the headlamp or for other applications.
- Electronic spirit level for automatic levelling.
- USB keyboard for configuration.

## CONTACT

- For more information about the Luminoscope® PLA 35 or other headlamp aiming and testing systems, please contact **L.E.T. Automotive nv** or one of our distributors worldwide.



### GEMCO SALES & SERVICE

153 - 165 BRIDGE ST

NORTHAMPTON

NN1 1QG

[www.gemco.co.uk](http://www.gemco.co.uk)



### DISTRIBUTOR

