

HEADLAMP TEST Platform



Averna's Headlamp Test Platform is a performance- and cost-optimal test solution customizable for development and production. Test a variety of parameters for **complete headlamps, modules and module absolute photometry**. The design of the platform makes it the ideal solution to test:

- ✓ Lamps
- ✓ Corner and Fog Lights
- ✓ Headlights

- ✓ Stepper Motors
- ✓ Assembly Errors
- ✓ Communication

Averna's Headlamp Test Platform

This flexible solution covers the entire product design, from the light source to the final assembled multifunction lamps.

- ✓ Customizable and flexible photometric vision solution with a common core for measuring key properties of different lighting components.
- ✓ Measure key photometric properties of low-beams, high-beams, structured light sources, corner/fog lights, and designer lighting elements/lightguides.
- ✓ Variations include: module photometric EOLT stations, headlamp photometric EOLT stations and aiming/pre-aiming stations.
- ✓ Every system comes with measurement calibration tools for relative and absolute intensity measurements, user configuration and test execution, configurable test sequencing and unique operator and engineering interfaces.
- ✓ Accelerate time to market by leveraging specialized expertise, including photometric, electro-mechanical and software solutions.

By combining the most diverse hardware and software modules, Averna's Headlamp Test Platform provides a solid standard framework that can be precisely scaled to different scenarios.

Headlamp Test Platform

LAMPS	Current Measurements Positioning and Measuring the Positions of LED Sources
CORNER AND FOG LIGHTS	Measuring the Light Intensity Measuring and Adjusting the Volume in a Vertical Position
HEADLIGHTS	High Beam Low Beam Daily Parking, Designer Light Fixtures Protective Layer
STEPPER MOTORS	Lights VAC System (Vertical Aim Control) Lights of AFS (Adaptive Front-Light System)
OTHER PARTS	Assembly Errors Communication

