

LICHT CATCHERS

WHEN ENGINEERS TEST
THE QUALITY OF LIGHT



YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

With our light laboratory at our facility in Wolfsburg, we can offer you a comprehensive range of services and modern measuring technology related to lighting technology. We offer all-round support in the fields of luminance images, spectrometer measurement, reflection measurement, transmission measurement, through to measuring luminous intensity. On request, some of these measurements can also be carried out on a mobile basis.

Our experts have set themselves the task of capturing light from lighting systems and evaluating both its quality and whether it meets given requirements. We check our own development results and those of our customers in the EDAG light laboratory.

With our luminance camera, we record lights and illuminated scenes in an image. Brightness distribution and colour gradients can be shown in one exposure, and evaluated using different statistics.

For an exact determination of the chromaticity coordinates, our spectrometer offers greater accuracy in the red and blue borderline areas, particularly compared to the luminance camera. The spectrometer is not, however, an imaging device.

The measurement results make it possible to compare the simulations carried out during development with reality.

Our services at a glance

- Visualisation and evaluation of light distribution (homogeneity, brightness, chromaticity coordinate, ...)
- Luminance images [cd/m^2]
- Light intensity recordings [lx]
- Spectrometer measurement to determine chromaticity coordinates
- Reflection measurement
- Transmission measurement
- Mobile measurements
- Light simulation: LucidShape
- Design: CATIA V5

We have the right testing equipment for just about anything

Our more than 60 m² reflection-free light laboratory provides comprehensive and application-oriented equipment.

In our approx. 300 m² technology centre, we offer the comprehensive development of headlights and taillights, but also ambient and functional lighting.

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