Specialist of lighting measurements

Competence needs a solid basis - so call on us!

Our specialist knowledge is based not only on the latest research findings, but also on a 60-year-old tradition. Since 1937, our laboratory has been authorised for the type approval of lighting devices.

Equipped with forward-looking technology, we are now an independent DIN EN ISO/IEC 17025 testing laboratory designated by the German Kraftfahrt-Bundesamt (KBA) and accredited by the Taiwanese authority Vehicle Safety Certification Center (VSCC). Type approval tests are possible according to:

- ECE-Regulations
- EG – Directives
- VSTD-Regulations (Taiwan)
- StVZO (German road law) - TA requirements

Everything we can do for you.

Although vehicle lighting technology is the main part of our work. We are able to offer a wide range of services in testing of lighting devices. Therefore our laboratory is DIN EN ISO/IEC 17025 accredited by the German accreditation body (DAkkS) as an independent laboratory for measurements of lighting devices.

Consequently our photometric laboratory is authorised to carry out measurements of, light sources and lighting devices according to following standards:

- CEN EN European Committee for Standardization
- CIE International Commission on Illumination
- IEC International Electrotechnical Commission
- ICAO International Civil Aviation Organization
- SANS South African National Standards
- etc.

Additionally you can also expect competent consulting, rapid processing and both national and international acceptance of our results.

Certified for the national and international market.

A shining example, you could safely say.

A technical test report from our laboratory assures you a state of the art in lighting technology.

With our flexible and extensive measurement equipment, we are able to measure characteristic data of light emitting and light reflecting devices. Take a look for yourself in which other areas you can benefit from our technology and know-how.

Our field of activities

- Automotive lighting
- Airport lighting
- Bicycle lighting
- Lighting devices of rail vehicles
- Securing of escape routes
- Retro-reflecting foils
- Portable and securing working lamps
- Personal protective equipment
- Flash light measurement
- Light measurements on signal signs
- Calibration of factory laboratories to technical lighting specifications
- Measurements of all lighting parameters

The designation of the Kraftfahrt-Bundesamt (KBA) as well as the accreditation of Deutsche Akkreditierungsstelle (DAkkS) and VSCC is only valid for methods mentioned in the certificates.
Precisely right.

Our measurement equipment is up to date and it is regularly checked and calibrated with national references.

Our measurement equipment

- Goniophotometer with sensors at 4.4 m; 10 m and 25 m
- Colorimeter
- Retro-reflectometer
- Diverse spektroradiometers
- Ulbricht integrating sphere
- Diverse illuminance meters
- Luminance meter
- Flash light measurement system
- Diffuse light measuring system
- Refractive measuring system
- Mist retardant measuring system
- Various equipment for simulation of environmental conditions
- Access to further (measurement) equipment of our partner laboratories for special tests

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