

# Our expert knowledge for your type-approval



## Type-approval of lighting devices

DLG – your partner for  
testing and certification

[www.DLG.org](http://www.DLG.org)





## Tested quality for increased safety

As designated technical service for the type-approval of vehicles and vehicle components, we also test lighting and light-signalling devices according to the requirements of:

- UN ECE regulations
- EU regulations
- Technical requirements for vehicle parts during type testing in accordance with Section 22a of the German Vehicle Licensing Regulations (StVZO)

In doing so, we support you throughout the entire type-approval process.



### **In addition to the tests in the type-approval process, we offer you:**

- Support in the manufacturer's initial assessment required for the type-approval process
- Testing of your series production parts as verification of conformity of production (CoP)
- Testing of headlights for the individual approval of imported vehicles "Etw-Wirkung" – approximate effect in accordance with Section 21 StVZO or Section 13 EG-FGV
- Testing of prototypes approval of individual parts in accordance with Section 13 FzTV
- Training courses and seminars, also in the form of in-house training on request

# Individual testing and general services

## The advantages that we offer you:

- Direct contact with the testers
  - Your contact person is on hand to support you from your enquiry to the measurements and the processing of approval with the respective authority. This ensures that you are always provided with qualified and direct information.
- Uncomplicated and quick processing
  - We attach importance to the uncomplicated completion of your projects on schedule.
  - Our lean organisational structure enables us to work quickly and efficiently on your project.
- Testing can also be accompanied on site on request
  - Visiting our laboratories is possible at any time subject to prior arrangement.
  - This enables even complex projects to be brought to a conclusion quickly and without complications.
- At present, we are offering approval processing with Kraftfahrt-Bundesamt – the German Federal Motor Transport Authority (KBA) in order to obtain a type-approval and also with the Vehicle Safety Certification Center Taiwan (VSCC). Simply contact us if you are interested in approval processing with other authorities.

## Our homologation services in the area of lighting and light-signalling devices encompass the following vehicle components:

- Main-beam and dipped-beam headlamps
- Adaptive front-lighting systems
- Front fog lamps
- Cornering lamps
- Daytime running lamps
- Direction indicator lamps
- Stop lamps
- Rear position lamps
- Rear fog lamps
- End-outline marker lamps
- Front position lamps
- Side-marker lamps
- Reversing lamps
- Parking lamps
- Rear registration plate lamp
- Rear retro-reflector
- Beacons and warning lamps
- Camera monitor systems
- Testing of protective grilles for lamps

## We also offer you the following testing options in the type-approval process:

- ✓ Testing of the electromagnetic compatibility (EMC) of electronic sub-assemblies
- ✓ Testing of vehicles with regard to the installation of lighting and light-signalling devices
- ✓ Testing of the “Etwa-Wirkung” – approximate effect for imported vehicles
- ✓ Inspection of individual vehicles in accordance with Section 21 StVZO and Section 13 EG-FGV
- ✓ Photometric tests according to quality requirements, also for interior lamps
- ✓ Environmental simulation tests for lamps

## Expertise in testing and certification

DLG has been testing and certifying machinery, farm inputs and consumables for over 130 years.

In addition to tests according to DLG standards, the Test Center also offers extensive test services according to standards and regulations, for quality assurance and on the basis of customer-specific test requirements for research and development purposes.

As a technical service designated by Kraftfahrt-Bundesamt (KBA) – the German Federal Motor Transport Authority, DLG tests whole vehicles, systems, components and separate technical units for agricultural or forestry tractors, trailers and towed implements, but also for motorcycles and light three- and four-wheeled vehicles, passenger cars, buses, trucks and their trailers, therefore making it an internationally leading test service provider.

The test services are performed by DLG TestService at its Groß-Umstadt location, and also by additional service providers on behalf of the DLG Test Center Technology and Farm Inputs as required.



The type-approval testing of lighting and light-signalling devices is carried out by Photometrik GmbH. Photometrik GmbH is a partner within the DLG TestService GmbH expert homologation network. It is included as a site in DLG's designation as a technical service for the type-approval testing of lighting and light-signalling devices by Kraftfahrt-Bundesamt (KBA-P 00020-19).

## Additional services in the area of homologation:

### Tests

- Whole vehicles
- Mechanical coupling devices
- Passive safety
- Electromagnetic compatibility

**Information:** [www.DLG.org/homologation](http://www.DLG.org/homologation)

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### Laboratory

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