

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-15047-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 13.07.2026

Date of issue: 13.07.2026

This annex is part of the Accreditation Certificate D-PL-15047-01-00.

Holder of the Accreditation Certificate:

Gigahertz Optik GmbH
An der Kälberweide 12, 82299 Türkenfeld

with the location

Gigahertz Optik GmbH
An der Kälberweide 12, 82299 Türkenfeld

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

High frequency and radiation quantities

Optical quantities

- Photometry

- Radiometry

*This annex to the certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS) and is digitally sealed.
This annex to the certificate is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).*

Abbreviations used: see last page

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Flexible Scope of Accreditation:

Within the indicated test areas marked with [Flex A] the testing laboratory is permitted to use standardised or equivalent test methods listed here with different issue dates without being required to prior inform and obtain approval from DAkkS.

The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

Standard or test procedure / revision level	Title of standard or test method	Test method restrictions
CIE 63 1984	The Spectroradiometric Measurement of Light Sources	Examination of the irradiance of lamps, luminaires and semiconductor light sources in the wavelength range from 200 nm to 2500 nm Spectral radiation flux (Radiant power) in the wavelength range from 350 nm to 1050 nm Luminance and spectral radiance in the wavelength range from 250 nm to 2500 nm
CIE 84 1989	The measurement of luminous flux	Luminous flux from electrically operated spotlights / Measurement with an Ulbricht sphere using correction techniques / Measurement by integration of the illuminance distribution
CIE 127 2007	Measurement of LEDs	Luminous flux of LED / measurement with an Ulbricht sphere using correction techniques
CIE 202 2011	Spectral responsivity measurement of detectors, radiometers and photometers	Testing of narrow and Broad-Band radiometers in the wavelength range from 200 nm to 2500 nm
CIE 210 2014	Photometry Using V(λ)-Corrected Detectors as Reference and Transfer Standards	Illuminance / Light measurement Photometer

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Standard or test procedure / revision level	Title of standard or test method	Test method restrictions
CIE 220 2016	Characterization and Calibration Methods of UV Radiometers	Testing of narrow and Broad-Band radiometers in the wavelength range from 200 nm to 2500 nm
DIN 5031-11 2011-04	Optical radiation physics and illuminating engineering - Part 11: Radiometer for measuring actinic radiant quantities - Terms, characteristics and their classification	Testing of narrow and Broad-Band radiometers in the wavelength range from 200 nm to 2500 nm
DIN EN 13032-1 2012-06	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1: Measurement and file format; German version EN 13032-1:2004+A1:2012	Luminous flux from electrically operated spotlights / Measurement with an Ulbricht sphere using correction techniques / Measurement by integration of the illuminance distribution Luminance and spectral radiance in the wavelength range from 250 nm to 2500 nm
ASTM G130-12	Standard Test Method for Calibration of Narrow- and Broad-Band Ultraviolet Radiometers Using a Spectroradiometer	Testing of narrow and Broad-Band radiometers in the wavelength range from 200 nm to 2500 nm
ASTM G138-12	Standard Test Method for Calibration of a Spectroradiometer Using a Standard Source of Irradiance	Spectroradiometer / Device properties with defined settings / testing of the spectral irradiance in the wavelength range from 200 nm to 2500 nm

Abbreviations used:

CIE	Commission Internationale de L'Eclairage - International Commission on Illumination
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation

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