

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-PL-15047-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from: 18.08.2020**

Date of issue: 18.08.2020

Holder of certificate:

**GIGAHERTZ Optik Vertriebsgesellschaft für technische Optik mbH  
An der Kälberweide 12, 82299 Türkenfeld**

Tests in the fields:

**Optics**

**The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkks, to use standards or equivalent testing methods listed here with different issue dates.**

**The testing laboratory maintains a current list of all testing standards / equivalent testing procedures within the flexible scope of accreditation.**

Technical field	Standard or test procedure / revision level	Title of standard or test method	Test method restrictions
Optics	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
	ASTM G130-12	Standard Test Method for Calibration of Narrow- and Broad-Band Ultraviolet Radiometers Using a Spectroradiometer	
	CIE 202:2011	Spectral responsivity measurement of detectors, radiometers and photometers	

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.  
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

Technical field	Standard or test procedure / revision level	Title of standard or test method	Test method restrictions
	DIN 5031-11:2009-02	Optical radiation physics and illuminating engineering - Part 11: Radiometer for measuring actinic radiant quantities - Terms, characteristics and their classification	
Optics	ASTM G0138-12	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
Optics	CIE 063:1984	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
Optics	CIE 210:2014	Photometry Using V( $\lambda$ )-Corrected Detectors as Reference and Transfer Standards	Illuminance / Light measurement Photometer
Optics	CIE 084:1989	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

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Technical field	Standard or test procedure / revision level	Title of standard or test method	Test method restrictions
	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	
Optik	CIE 127:2007	Measurement of LEDs	Luminous flux of LED / measurement with an Ulbricht sphere using correction techniques
Optik	CIE 063:1984	The Spectroradiometric Measurement of Light Sources	Spectral radiation flux (Radiant power) in the wavelength range from 350 nm to 1050 nm
Optik	CIE 063:1984 DIN EN 13032-1:2012-06	The Spectroradiometric Measurement of Light Sources 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	Luminance and spectral radiance in the wavelength range from 250 nm to 2500 nm

**Abbreviations used:**

DIN German institute of standardisation  
CIE Commission Internationale de L'Eclairage

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