

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-19052-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 22.08.2019

Date of issue: 22.08.2019

Holder of certificate:

**Instrument Systems Optische Messtechnik GmbH
Kastenbauerstraße 2, 81677 München**

At the sites:

**Kastenbauerstraße 2, 81677 München
Kaiserin-Augusta-Allee 16-24, 10533 Berlin**

Tests in the fields:

Lighting Technology

The laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standard test methods listed here with different issue dates or revision status updates.

The testing laboratory maintains a current list of all testing within the flexible scope of accreditation.

This document is a translation issued 22.08.2019. 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>*

Site Munich

Department	Standard/Inhouse Procedure Issue Date/Version	Title of Standard or Inhouse Procedure	Test Range / Restrictions to the test procedure
Lighting Technology	CIE 63:1984	The spectroradiometric measurement of light sources	<ul style="list-style-type: none"> - spectral irradiance in the wavelength range of 200 nm to 2500 nm - luminance and spectral radiance in the wavelength range from 350 nm to 1100 nm - luminous flux, partial luminous flux and spectral radiant flux in the wavelength range from 350 nm to 1100 nm
Lighting Technology	ISO 23539:2005	Photometry - The CIE System of Physical Photometry	- luminance and spectral radiance in the wavelength range from 350 nm to 1100 nm
	CIE S 010:2004		- luminous flux and spectral radiant flux in the wavelength range from 350 nm to 1100 nm
Lighting Technology	DIN 5032-1:1999	Photometry - Part 1: Methods of measurement	luminance and spectral radiance in the wavelength range from 350 nm to 1100 nm

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Department	Standard/Inhouse Procedure Issue Date/Version	Title of Standard or Inhouse Procedure	Test Range / Restrictions to the test procedure
Lighting Technology	DIN EN 13032-1:2012	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires	- spectral irradiance in the wavelength range of 200 nm to 2500 nm - luminance and spectral radiance in the wavelength range from 350 nm to 1100 nm - luminous flux and spectral radiant flux in the wavelength range from 350 nm to 1100 nm
Lighting Technology	CIE 84:1989	The measurement of luminous flux	- luminous flux
Lighting Technology	CIE:127:2007	Measurement of LEDs	Averaged LED intensity (ILED A and ILED B) Luminous flux and radiant flux of LEDs
Lighting Technology	ISO 11664-1:2007 DIN EN ISO 11664-1:2011	Farbmetrik - Teil 1: CIE farbmetrische Normalbeobachter	Tristimulus values X,Y,Z and derived colorimetric quantities
	CIE S 014-1:2006	Colorimetry — Part 1: CIE Standard Colorimetric Observers	
Lighting Technology	ISO 11664-2:2007 DIN EN ISO 11664-2:2011	Farbmetrik - Teil 2: CIE Normlichtarten	Tristimulus values X,Y,Z and derived colorimetric quantities
	CIE S 014-2:2006	CIE Standard Illuminants for Colorimetry	
Lighting Technology	ISO 11664-3:2012 DIN EN ISO 11664-3:2013	Farbmetrik - Teil 3: CIE-Farbwerte	Tristimulus values X,Y,Z and derived colorimetric quantities
	CIE S 014-3:2011	Colorimetry - Part 3: CIE tristimulus values	

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Lighting Technology	ISO/CIE 11664-5:2016 DIN EN ISO 11664-5:2017	Farbmetrik - Teil 5: CIE 1976 L*u*v*-Farbenraum und gleichabständige u', v'-Farbtafel Colorimetry — Part 5: CIE 1976 L*u*v* Colour Space and u', v' Uniform Chromaticity Scale Diagram	Tristimulus values X,Y,Z and derived colorimetric quantities

Site Berlin

Department	Standard/Inhouse Procedure Issue Date/Version	Title of Standard or Inhouse Procedure	Test Range / Restrictions to the test procedure
Lighting Technology	CIE 63:1984	The spectroradiometric measurement of light sources	- irradiance
Lighting Technology	DIN 5032-1:1999	Photometry - Part 1: Methods of measurement	- illuminance - luminous intensity
Lighting Technology	DIN EN 13032- 1:2012	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires	- illuminance
Lighting Technology	DIN 5032-2:1992	Photometry; operation of electric lamps and measurement of the respective quantities	- illuminance - luminous intensity
Lighting Technology	ISO 23539:2005	Photometry - The CIE System of Physical Photometry	- illuminance
	CIE S 010:2004		- luminous intensity

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