Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-17776-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **03.11.2025**

Date of issue: 03.11.2025

This annex is part of the Accreditation Certificate D-PL-17776-01-00.

Holder of the Accreditation Certificate:

Excelitas Noblelight GmbH
Heraeusstr. 12-14, 63450 Hanau

with the location

Excelitas Noblelight GmbH
Messlabor
Heraeusstr. 12-14, 63450 Hanau

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:

Optical measurements (irradiance, radiance, radiant flux)

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).

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

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.

Testing field	Standard / In-House Procedure	Title of Standard or In-House Procedure	Test Range / Restrictions
Standardized method [Flex A]			
Optics	CIE 63 1984	The spectroradiometric measurement of light sources	Spectral Irradiance 200-2500 nm
Optics	CIE 84 1989	The measurement of luminous flux	Luminous Flux Radiant Flux 250-1100 nm
Optics	DIN EN 62471 2009-03 EN 62471 2008-09 IEC 62471 2006-07	Photobiological safety of lamps and lamp systems	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm
Optics	DIN EN 62471 Amendment 1 2010-06	Photobiological safety of lamps and lamp systems - Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety (IEC/TR 62471-2:2009)	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm

Testing field	Standard / In-House Procedure	Title of Standard or In-House Procedure	Test Range / Restrictions
Optics	DIN EN 14255-1 2005-06 EN 14255-1 2005-03	Measurement and assessment of personal exposures to incoherent optical radiation – Part 1: Ultraviolet radiation emitted by artificial sources in the workplace	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm
Optics	DIN EN 14255-2 2006-03 EN 14255-2 2005-12	Measurement and assessment of personal exposures to incoherent optical radiation – Part 2: Visible and infrared radiation emitted by artificial sources in the workplace	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm
Optics	DIN EN 14255-3 2017-02 EN 14255-3 2008-03	Measurement and assessment of personal exposures to incoherent optical radiation – Part 3: UV-Radiation emitted by the sun	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm
Optics	DIN EN 12198-1 2008-11 EN 12198-1 +A1 2008-09	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 1: General principles	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm
Optics	DIN EN 12198-2 2008-11 EN 12198-2 +A1 2008-09	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 2: Radiation emission measurement procedure	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm
Optics	DIN EN 12198-3 2008-11 EN 12198-3 +A1 2008-08	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 3: Reduction of radiation by attenuation or screening	Spectral Irradiance 200-2500 nm Radiance 250-1400 nm

Testing field	Standard / In-House Procedure	Title of Standard or In-House Procedure	Test Range / Restrictions
In house method			
Optics	VAML12 2019-08	Messung Strahldichte	Radiance 250-1400 nm

Abbreviations used:

CIE Commission Interationale 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