

# Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

**Opsytec Dr. Gröbel GmbH**  
**Am Hardtwald 6 - 8, 76275 Ettlingen**

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

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 general principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 18.10.2023 with accreditation number D-PL-20284-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

Registration number of the accreditation certificate: **D-PL-20284-01-00**

Berlin, 18.10.2023

David Grünewald, M. Sc.  
Head of Technical Unit

Translation issued:  
18.10.2023



David Grünewald, M. Sc.  
Head of Technical Unit

*The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH ([www.dakks.de](http://www.dakks.de)).*

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

See notes overleaf

# Deutsche Akkreditierungsstelle GmbH

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10117 Berlin

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Europa-Allee 52  
60327 Frankfurt am Main

Office Braunschweig  
Bundesallee 100  
38116 Braunschweig

The Deutsche Akkreditierungsstelle GmbH (DAkkS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkkS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkkS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-PL-20284-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 18.10.2023

**Date of issue:** 18.10.2023

Holder of accreditation certificate:

**Opsytec Dr. Gröbel GmbH  
Am Hardtwald 6 - 8, 76275 Ettlingen**

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 general principles of DIN EN ISO 9001.

Testing in the field:

**Spectroradiometers and spectrometers**  
– **Lighting technology**

**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 methods within the flexible scope of accreditation.**

*This certificate annex 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 given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.*

Abbreviations used: see last page

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**Annex to the Accreditation Certificate D-PL-20284-01-00**

Standard / Publication date	Title of Standard	Testing Conditions / Limitations
CIE 250:2022	Spectroradiometric Measurement of Optical Radiation Sources	lamps, light sources, radiation sources, semiconductor sources, radiation and semiconductor systems/ irradiance in the wavelength range from 200 nm to 1000 nm
IEC 62471-6:2022	Photobiological safety of lamps and lamp systems - Part 6: Ultraviolet lamp products	lamps, light sources, radiation sources, semiconductor sources, radiation and semiconductor systems
ASTM G138-12 2020	Standard Test Method for Calibration of a Spectroradiometer Using a Standard Source of Irradiance	spectroradiometer / device properties at defined device settings at in the wavelength range from 200 nm to 2500 nm

**Abbreviations used:**

ASTM	American Society for Testing and Materials
CIE	Commission Internationale de l'Éclairage
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

Valid from: 18.10.2023

Date of issue: 18.10.2023

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