

## Deutsche Akkreditierungsstelle GmbH

**Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV**

Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition

# Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

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

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the following fields:

**Spectroradiometers and spectrometers**

**Lighting Technology**

The accreditation certificate shall only apply in connection with the notice of accreditation of 21.09.2017 with the accreditation number D-PL-20284-01 and is valid until 20.09.2022. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

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

Braunschweig,  
21.09.2017

Dr. Michael Wolf  
Head of Division

Translation issued:  
09.01.2019

  
Head of Division

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

See notes overleaf.

# Deutsche Akkreditierungsstelle GmbH

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The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkkS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkkS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). 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 Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

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 GmbH

Annex to the Accreditation Certificate D-PL-20284-01-00  
according to DIN EN ISO/IEC 17025:2005

Period of validity: 21.09.2017 to 20.09.2022 Date of issue: 21.09.2017

Holder of certificate:

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

Tests in the fields:

**Lighting Technology**

Standard / Publication date	title of standard	testing conditions / limitations
CIE 63:1984	The Spectroradiometric Measurement of Light Sources	lamps, light sources, radiation sources, semiconductor sources, radiation and semiconductor systems/ irradiance in the wavelength range from 200 nm to 1000 nm
ASTM G138-12	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 1700 nm

**Abbreviations used:**

ASTM      American Society for Testing and Materials (engl.)  
CIE         Commission Internationale de l'Éclairage (fr.)