

ETICS-CoA-002-2018



European Testing Inspection and Certification System

CERTIFICATE OF ACCEPTANCE

SGS Belgium N.V. - Division SGS CEBEC

Bld. Internationalelaan, 55/D, Brussels Belgium

has been assessed and determined to fully comply with the requirements of EN-ISO/IEC 17065, PD ECS 050 and the Rules of Procedure relevant to the European Schemes for which the responsible CB is member.

SGS Belgium N.V. – Division SGS CEBEC

is therefore entitled to operate as Certification Body within the European Schemes ENEC, ENEC+, CCA, CCA EMC, HAR and KMK for the Scope (Product Category(ies) and Standard(s)) as listed in the relevant part of the ETICS Web Site at www.etics.org.

This certificate remains valid until 15th January 2021, at which time it will be reissued by the ETICS Secretary General upon successful completion of the normally scheduled 3-year Reassessment Programme administered by the ETICS.

Brussels, 15 January 2018

Giancarlo Zappa, Secretary General



Signatory to EA, ILAC and IAF
Multilateral Agreements

Organisme belge d'Accréditation
Belgische Accreditatie-instelling
Belgian Accreditation Body

Annexe au certificat d'accréditation
Bijlage bij accreditatie-certificaat
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

226-TEST

NBN EN ISO/IEC 17025:2005

| | |
|--|------------|
| Version/Versie/Version/Fassung | 7 |
| Date d'émission / Uitgiftedatum / Issue date / Ausgabedatum: | 2016-05-19 |
| Date limite de validité / Geldigheidsdatum / Validity date / Gültigkeitsdatum: | 2021-05-27 |

Nicole Meurée-Vanlaethem

La Présidente du Bureau d'Accréditation
Voorzitster van het Accreditatiebureau
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

**L'accréditation est délivrée à/ De accreditatie werd uitgereikt aan/
The accreditation is granted to/ Die akkreditierung wurde erteilt für:**

**LABORATOIRE DE PHOTOMETRIE DE R-TECH
Rue de Mons, 3
4000 LIEGE**

Secrétariat :
**Service public fédéral Economie,
P.M.E., Classes moyennes et Energie**
Direction générale de la Qualité et de la Sécurité
Division Qualité et Innovation
Bd du Roi Albert II 16
1000 Bruxelles
Website : <http://economie.fgov.be>
Numéro d'entreprise : 0314.595.348

Accréditation B E L A C Accreditation

Tel.: +32 2 277 54 34
Fax: +32 2 277 54 41
Internet: <http://belac.fgov.be>
E-mail: Belac@economie.fgov.be

Secretariaat:
**Federale Overheidsdienst Economie,
K.M.O., Middenstand en Energie**
Algemene Directie Kwaliteit en Veiligheid
Afdeling Kwaliteit en Innovatie
Koning Albert II-kaan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348

.be

| Code essai <i>Test Code</i> | Echantillons <i>Samples</i> | Caractéristique mesurée Gamme de mesure <i>Measurement range</i> | Description méthode d'essai Equipement <i>Testing Methodology Description Equipment</i> |
|---------------------------------------|---|---|---|
| PTP-01 | Lampes à incandescence ou à décharge pour luminaires. <i>Incandescent or high intensity discharge lamp for luminaires.</i> | Flux lumineux exprimé en lumen (lm) <i>Luminous flux in lumen (lm)</i> | Mesure du flux lumineux en sphère d'Ulbricht selon la norme de référence EN 13032-1 § 6.1.2. Pour toutes lampes sauf les LED (Solid State Lighting) <i>Luminous flux measurement with Ulbricht's sphere according to EN 13032 § 6.1.2 Standard for all light sources except LED (Solid State Lighting)</i> |
| PTP-01 | Sources lumineuses de type LED pour luminaires. <i>Led light source for luminaires.</i> | Flux lumineux exprimé en lumen (lm) <i>Luminous flux in lumen (lm)</i> | Mesure du flux lumineux en sphère d'Ulbricht selon la norme de référence EN 13032-1 § 6.1.2 et IES LM79-08. Pour LEDs (Solid State Lighting) <i>Luminous flux measurement with Ulbricht's sphere according to EN 13032 § 6.1.2 and IES LM79-08 Standard. For LED (Solid State Lighting)</i> |
| PTP-02 | Luminaires pour lampes à incandescence ou à décharge <i>Luminaires for incandescent, HID lamp</i> | Distribution des intensités lumineuses exprimées en candela (cd) <i>Light distribution in candela (cd)</i> | Relevé photométrique au goniophotomètre selon la norme de référence EN 13032-1 et CIE 121-1996 Pour toutes lampes sauf les LED (Solid State Lighting) <i>Light distribution measurement with gonio according to EN 13032-1 and CIE 121-1996 Standard for all light sources except LED (Solid State Lighting)</i> |
| PTP-02 | Luminaires à sources lumineuses de type LED pour luminaires. <i>Luminaires for LED light sources.</i> | Distribution des intensités lumineuses exprimées en candela (cd) <i>Light distribution in candela (cd)</i> | Relevé photométrique au goniophotomètre selon la norme de référence EN 13032-1, CIE 121-1996 et IES LM79-08 Pour les LED (Solid State Lighting) <i>Light distribution measurement with gonio according to EN 13032-1, CIE 121-1996 and IES LM79-08 Standard. For LED (Solid State Lighting)</i> |

| Code essai <i>Test Code</i> | Echantillons <i>Samples</i> | Caractéristique mesurée Gamme de mesure <i>Measurement Measurement range</i> | Description méthode d'essai Equipement <i>Testing Methodology Description Equipment</i> |
|---------------------------------------|---|--|--|
| PTP-09 | Lampes à incandescence ou à décharge pour luminaires ou luminaires associés. <i>Incandescent or high intensity discharge lamp for luminaires or associated luminaires.</i> | Données colorimétriques : IRC, T° de couleur, coordonnées trichromatiques, données spectrales (domaine du visible) <i>Colorimetric values, CRI, CCT, tristimulus values, spectrum (visible range)</i> | Relevé colorimétrique en sphère via spectromètre selon la norme de référence EN 13032-1 et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) Pour équipements lumineux sauf ceux incluant des LED (Solid State Lighting) <i>Colorimetric measurement with spectrometric sphere to EN 13032-1 and CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) Standard for all light equipment except LED (Solid State Lighting)</i> |
| PTP-09 | Sources lumineuses de type LED pour luminaires ou luminaires associés. <i>Led light source for luminaires or associated luminaires.</i> | Données colorimétriques : IRC, T° de couleur, coordonnées trichromatiques, données spectrales (domaine du visible) <i>Colorimetric values, CRI, CCT, tristimulus values, spectrum (visible range)</i> | Relevé colorimétrique en sphère et spectromètre selon la norme de référence EN 13032-1 et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) et IES LM79-08 pour équipements lumineux à LED (Solid State Lighting) <i>Colorimetric measurement with spectrometric sphere according to EN 13032-1 et CIE 13.3, 15, 63, 121-1996 S014 (1,2 et 3) and IES LM79-08 Standard. For LED light equipment (Solid State Lighting)</i> |



Organisme belge d'Accréditation
Belgische Accreditatieinstelling
Belgische Akkreditierungsstelle
Belgian Accreditation Body

Signatory to EA, ILAC and IAF
Multilateral Agreements

Accreditation Certificate No. 226-TEST

In compliance with the provisions of the Royal Decree of 31 January 2006 setting up BELAC, the Accreditation Board hereby declares, that the test laboratory

LABORATOIRE DE PHOTOMETRIE DE R-TECH
Rue de Mons, 3
4000 LIEGE - Belgium

has the competence to perform the tests as described in the annex which is an integral part of the present certificate, in accordance with the requirements of the standard NBN EN ISO/IEC 17025:2005. The present accreditation is the subject of regular surveillance in order to confirm the compliance with the accreditation conditions.

The Chair of the Accreditation Board BELAC,

Issue date : 2016-05-19

Validity date : 2021-05-27

Original version of this certificate is in French.

Nicole MEURÉE-VANLAETHEM

SGS

TESTARE SUPERVIZATĂ DE PRODUCĂTOR

Raport nr. CEBEC-002B

SGS Belgia NV

Divizia SGS CEBEC

Business Riverside Park
Bld Internationaalelaan, 55 Build. D
B-1070 Brussels - Belgium

Activând ca și Organism National de Certificare participare la Sistemul de Organisme de Certificare (CB Scheme) si Sistemul de certificare European (ECS), se recunoaște următorul laborator ca

SMT laboratory nr.CEBEC-002

operând în conformitate cu prescripțiile de certificare IEC/EN CB și sistemul de certificare ECS (CCA și ENEC).

Laborator aprobat, nume si adresă:

**Service laboratoire
R-TECH S.A.
Rue de Mons, 3
B-4000 LIEGE**

Fabricile producătorului:

**Fabrici Europene
aparținând
Schreder Group G.I.E.**

Produse menționate în contract:

| Categorie | Standarde | Produse |
|-----------|------------------|---------------------------------------|
| LITE | IEC/EN 60598-1 | Aparate de iluminat |
| | IEC/EN 60598-2-1 | Aparate de iluminat de uz general |
| | IEC/EN 60598-2-3 | Aparate de iluminat stradal |
| | IEC/EN 60598-2-5 | Proiectoare |
| | IEC/EN 60598-2-5 | Aparate de iluminat încastrate în sol |

Brussels, 2013-02-01

ir. C. Lana,
Director de Certificare

SGS Belgium NV
CEBEC

SUPERVISED MANUFACTURER'S TESTING

Report nr. CEBEC-002B

SGS Belgium NV

Division SGS CEBEC

Business Riverside Park
Bld Internationalelaan, 55 Build. D
B-1070 Brussels - Belgium

Acting as national Certification Body participation in the Certification Bodies Scheme (CB Scheme) and the European Certification System (ECS) has recognized the following laboratory as

SMT laboratory nr. CEBEC-002

Operating in the framework of the IECEE CB-scheme and ECS certification system (CCA and ENEC).

Approved laboratory, name and address:

**Service Laboratoire
R-TECH S.A.
Rue de Mons, 3
BE-4000 LIEGE**

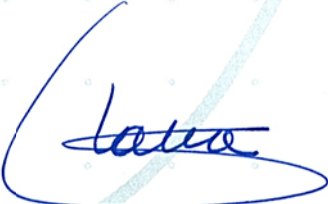
Manufacturing factories:

**European Factories
Belonging to the
Schröder Group G.I.E.**

Products covered by the contract:

| <u>Category</u> | <u>Standards</u> | <u>Products</u> |
|-----------------|---|--|
| LITE | IEC/EN 60598-1 IEC/EN 60598-2-1 IEC/EN 60598-2-3 IEC/EN 60598-2-5 IEC/EN 60598-2-13 | Luminaires Fixed general purpose luminaires Luminaires for road and street lighting Floodlights Ground recessed luminaires |

Brussels, 2013-02-01


ir. C. Lana,
Certification Manager



SGS Belgium NV

Division SGS CEBEC Bld Internationalelaan, 55 Build. D B-1070 Bruxelles/Brussel tel. +32 (0) 556 00 20 fax: +32 (0) 556 00 36 www.cebec.sgs.com
Siège Social/Maatschappelijke Zetel: SGS House Noorderlaan 87 B-2030 Antwerpen

Member of the SGS Group (Société Générale de Surveillance)

RPM/RPR Anvers/Antwerpen TVA/BTW BE 404.882.750 Dexia 550-3560000-93