

SCHRÉDER SOCELEC S.A. declares on its own liability that the luminary:

AMPERA

- **VERSIONS:** MAXI / MIDI / MINI /
- **Nº LED:** MAXI: Max. 128 / MIDI :Max. 64 / MINI : Max. 24
- **CLASS:** I y II
- **CHARACTERISTIC:** Max. 700 mA.
- **IP :** 66
- **IK:** 09

Provided that it is installed, maintained and used in accordance with relevant installation standards and manufacturer's instructions. Is in conformity with the following directives or standards:

- EN-60598-1
- EN-60598-2-3
- EN 62031.
- Directive 2004/108/EC.
- Directive 2006/95/EC.
- Directive 2009/125/EC.
- Directive 2002/95/EC.
- Directive 2011/65/EU
- Directive 2002/96/EC.
- Directive 2003/108/EC.
- Directive 2006/25/EC
- EN 61347
- EN 55015.
- EN 61547
- EN 61000-3-X.
- EN 61000-4-X.
- IEC 62471-2:2209.
- R.D. 154-1.995
- R.D. 842/2002, de 2th of August

Marchamalo (Guadalajara), 26th of May of 2.014.



Oscar de Pedro Gómez
Quality Manager
SOCELEC, S.A.



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-009.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaire

Dati elettrici

Electrical data

AMPERA MINI

**8 ÷ 24 LED – 350 ÷ 700 mA – 10 ÷ 55 W
230V – 50 Hz – Cl. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

CEI EN 62493

Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettromagnetici

I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in accordance with the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 08/07/16

Schröder Spa

Schröder S.p.A. -Sede Operativa

Via Val della Torre 131 | 10040 Caselette (To) | T +39 011 98 49 111 | F +39 011 99 49 977

+39 011 98 49 132 Direzione Generale - Vendite

+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-010.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaires

Dati elettrici

Electrical data

AMPERA MIDI

**32 ÷ 64 LED – 350 ÷ 700 mA – 36 ÷ 139 W
230V – 50 Hz – Cl. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

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I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in accordance with the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 08/07/16

Schröder Spa

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Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-011.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaire

Dati elettrici

Electrical data

AMPERA MAXI

**80 ÷ 128 LED – 350 ÷ 700 mA – 86 ÷ 279 W
230V – 50 Hz – Cl. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

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CEI EN 62493

Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettromagnetici

I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in accordance with the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 08/07/16

Schröder Spa

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+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

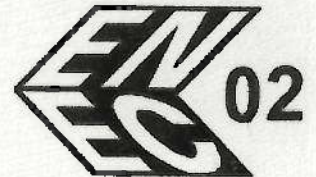
Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017

LICENCE

No. 20892 - Issue No 2

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium

Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square, street, flood lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : AMPERA MAXI, AMPERA MIDI, AMPERA MINI

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 13/06/2019

ir. C. Lana,
Certification Manager

© Only integral publication of this certificate, including the annex, is allowed
This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square, street, flood lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	AMPERA MAXI, AMPERA MIDI, AMPERA MINI
description	:	Street lighting
rated voltage (Un)	:	220-240 V
rated frequency	:	50-60 Hz
degree of protection	:	IP66/66
class	:	class I
additional information	:	IK09

Additional information

Available in Neutral White, Cool White & Warm White.

Product data - type AMPERA MIDI

rated power	:	max. 174 W
lamp(s)	:	32-48-64 LEDs XP-L, XP-L2, OSLO, XP-G2, XP-G3
rated ambient temperature (ta)	:	max. 55°C
rated secondary current (In SEC)	:	0-1000 mA

Product data - type AMPERA MINI

rated power	:	max. 77 W
lamp(s)	:	8-16-24 LEDs XP-L, XP-L2, OSLO, XP-G2, XP-G3
rated ambient temperature (ta)	:	max. 55°C
rated secondary current (In SEC)	:	0-1000 mA

Product data - type AMPERA MAXI

rated power : max. 310 W
 lamp(s) : 80-96-112-128 LEDs XP-L, XP-L2, OSOLON, XP-G2, XP-G3
 rated ambient temperature (ta) : max. 55°C
 rated secondary current (In SEC) : 0-800 mA

TESTS

Test requirements

EN 60598-1:2015 + A1:2018
 EN 60598-2-3:2003 + A1:2011

Test results

The test results are laid down in certification file 604814/25.

Remarks

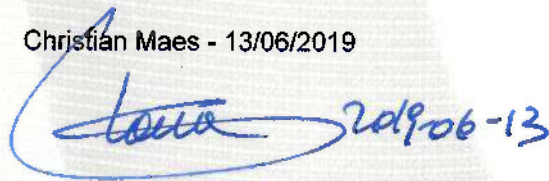
This certificate is based on test report No. P1536-38-1c.

Conclusion

The examination proved that all certification requirements were met.

Reviewed by, project leader : Christian Maes - 13/06/2019

Certification Manager :



FACTORY LOCATION(S)

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPIL
Ukraine

Schreder (China) Lighting Industrial Co., Ltd
No.40 Xinye 2 Street, Tianjin Economic Technological Development Zone West Zone,
300462 Tianjin City, P.R.China
China

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain

Schröder Iluminação S.A.
Rua da Fraternidade Operária, nº 3
2795-491 CARNAXIDE, OEIRAS
Portugal

Comatelec S.A.
Z.I.
18400 SAINT FLORENT S/CHER
France

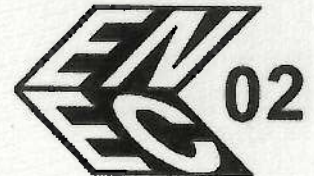
Schröder Hungary Plc.
Tópart 2
2084 PILISSZENTIVAN
Hungary

LICENCE

No. 20893 - Issue No 2

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium

Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square, street, flood lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : AMPERA MAXI, AMPERA MIDI, AMPERA MINI

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

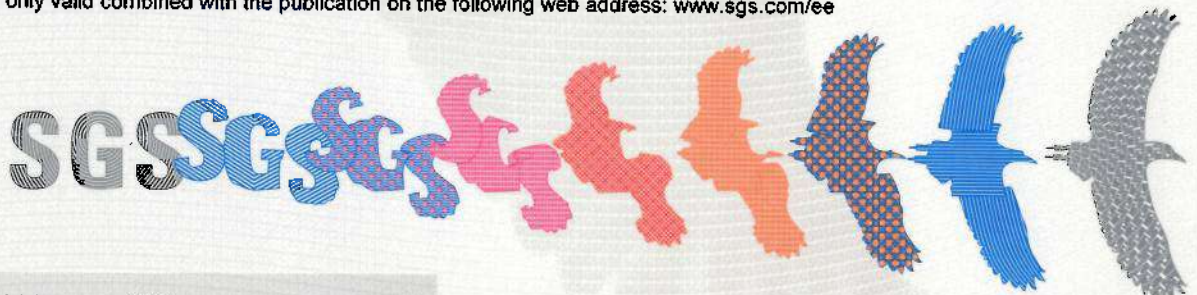
SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 13/06/2019

Ir. C. Lana,
Certification Manager

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This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square, street, flood lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	AMPERA MAXI, AMPERA MIDI, AMPERA MINI
description	:	Street lighting
rated voltage (Un)	:	220-240 V
rated frequency	:	50-60 Hz
degree of protection	:	IP66/66
class	:	class II
additional information	:	IK09

Additional information

Product data - type AMPERA MIDI

rated power	:	max. 201 W
lamp(s)	:	32-48-64 LEDs XP-L, XP-L2, OSLOX, XP-G2, XP-G3
rated ambient temperature (ta)	:	max. 55°C
rated secondary current (In SEC)	:	0-1000 mA

Product data - type AMPERA MINI

rated power	:	max. 77 W
lamp(s)	:	8-16-24 LEDs XP-L, XP-L2, OSLOX, XP-G2, XP-G3
rated ambient temperature (ta)	:	max. 55°C
rated secondary current (In SEC)	:	0-1000 mA

Product data - type AMPERA MAXI

rated power : max. 310 W
lamp(s) : 80-96-112-128 LEDs XP-L, XP-L2, OSLO, XP-G2, XP-G3
rated ambient temperature (ta) : max. 55°C
rated secondary current (In SEC) : 0-800 mA

TESTS

Test requirements

EN 60598-1:2015 + A1:2018
EN 60598-2-3:2003 + A1:2011

Test results

The test results are laid down in certification file ref. 604814/26.

Remarks

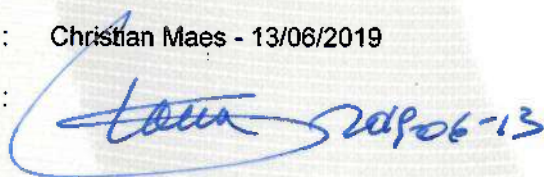
This certificate is based on test report No. P1536-38-IIc.

Conclusion

The examination proved that all certification requirements were met.

Reviewed by, project leader : Christian Maes - 13/06/2019

Certification Manager :



Christian Maes 2019-06-13

FACTORY LOCATION(S)

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPIIL
Ukraine

Schreder (China) Lighting Industrial Co., Ltd
No.40 Xinye 2 Street, Tianjin Economic Technological Development Zone West Zone,
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Comatelec S.A.
Z.I.
18400 SAINT FLORENT S/CHER
France

Schréder Hungary Plc.
Tópart 2
2084 PILISSZENTIVAN
Hungary



ENEC Certification Body registered under ID # 02. Validity of ENEC and ENEC+ licences can be checked at www.enec.com

LICENCE

to use the ENEC+ Mark



ENEC+ License No.: 20896 (Replaces No. 20789)

Under the conditions given in the "Rules concerning the use of the CEBEC mark" complemented by the ENEC+ Agreement under contract 1173/2, the license to use the ENEC+ Mark with suffix 02, as shown above, has been issued to:

Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium

For the product:

Road and street lighting

Trade name(s):

SCHREDER

Type(s)/Model(s):

AMPERA MINI, AMPERA MIDI, AMPERA MAXI

Complying with the following EPRS for performance:

EPRS 003:2014

Based on test reports Nos. P1538-XPG2-022017, P1537-XPG2-022017, P1536-XPG2-022017, P1536-OSLON-122017, P1537-OSLON-122017, P1538-OSLON-122017

This licence is conditional to the validity of the ENEC Licence No.: 20892

Date: 2018-07-12

Signature:



Name: Calogero LANA
Position: Certification Manager

Characteristics :

Description	:	Road and street lighting
Rated voltage (Un)	:	200-240 V
Rated frequency	:	50-60 Hz
Class	:	class I
Rated power AMPERA MINI	:	10-52 W
Rated power AMPERA MIDI	:	34-136 W
Rated power AMPERA MAXI	:	83-273 W
Colour temperature	:	4000K
Luminous flux AMPERA MINI:	:	1140-6663 lm
Luminous flux AMPERA MIDI:	:	4529-17638 lm
Luminous flux AMPERA MAXI:	:	9211-35452 lm
Efficacy (lm/W) AMPERA MINI:	:	110-140 lm/W
Efficacy (lm/W) AMPERA MIDI:	:	120-146 lm/W
Efficacy (lm/W) AMPERA MAXI:	:	97-150 lm/W

SGS



ENEC Certification Body registered under ID # 02. Validity of ENEC and ENEC+ licences can be checked at www.enec.com

LICENCE

to use the ENEC+ Mark



ENEC+ License No.: 20897 (Replaces No. 20833)

Under the conditions given in the "Rules concerning the use of the CEBEC mark" complemented by the ENEC+ Agreement under contract 1173/2, the license to use the ENEC+ Mark with suffix 02, as shown above, has been issued to:

Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium

For the product:

Road and street lighting

Trade name(s):

SCHREDER

Type(s)/Model(s):

AMPERA MINI, AMPERA MIDI, AMPERA MAXI

Complying with the following EPRS for performance:

EPRS 003:2014

Based on test reports Nos. P1538-XPG2-022017, P1537-XPG2-022017, P1536-XPG2-022017, P1536-OSLON-122017, P1537-OSLON-122017, P1538-OSLON-122017

This licence is conditional to the validity of the ENEC Licence No.: 20897

Date: 2018-07-12

Signature:

Name: Calogero LANA
Position: Certification Manager

Characteristics :

Description	:	Road and street lighting
Rated voltage (Un)	:	200-240 V
Rated frequency	:	50-60 Hz
Class	:	class II
Rated power AMPERA MINI	:	10-52 W
Rated power AMPERA MIDI	:	34-136 W
Rated power AMPERA MAXI	:	83-273 W
Colour temperature	:	4000K
Luminous flux AMPERA MINI:	:	1140-6663 lm
Luminous flux AMPERA MIDI:	:	4529-17638 lm
Luminous flux AMPERA MAXI:	:	9211-35452 lm
Efficacy (lm/W) AMPERA MINI:	:	110-140 lm/W
Efficacy (lm/W) AMPERA MIDI:	:	120-146 lm/W
Efficacy (lm/W) AMPERA MAXI:	:	97-150 lm/W



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-laan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348

.be

BELAC

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BELAC

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-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 EN ISO/IEC 17025:2017. 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,

Nicole MEURÉE-VANLAETHEM

Issue date : 2019-01-10

Validity date : 2021-05-27

Original version of this certificate is in French.

Dichiarazione
di Conformità alle Leggi relative al contenimento dell’Inquinamento Luminoso
e Veridicità delle misurazioni e dei dati fotometrici

La ditta **Schröder S.p.A.**, con sede operativa in Via Tunisia 3 a Collegno (TO), azienda certificata ISO 9001:2008 con certificato numero 9130.COS6, dichiara sotto la propria responsabilità che i prodotti modello

AMPERA MINI, MIDI e MAXI a vetro piano

con tutti i tipi di ottiche stradali, asimmetriche, simmetriche e per attraversamenti pedonali, con 8-16-24-32-48-64-80-96-112-128 LED @200, 350, 400, 420, 500, 550, 600, 650, 700, 800, 850, 900 e 1000mA,

sono stati testati nel

Laboratorio fotometrico di	R-tech SA, Centro Ricerca e Sviluppo europeo del Gruppo Schröder
Accreditamento EN ISO 17025	Certificato Beltest n° 226-TEST (allegato)
Responsabile Tecnico	Ing. Laurent Maghe

secondo le indicazioni di seguito riportate:

Sistema di misura	Goniofotometro LMT tipo GO-DS 2000	Posizione apparecchio durante la misura	Orizzontale
Parametri di misura	Previsti dalla normativa	Incertezza di misura	Intensità ±3%
Sistema di riferimento	C-Gamma	Simmetria applicata	Nessuna
Tensione di	230V ±0,1%	Frequenza	50 Hz ±0,1%
Temperatura Ambiente	25°C ±1°C	Centro fotometrico	Al centro del vetro
Distanza fotocellula	10m o 30m ¹	Incertezza del flusso	±3%
Norme di riferimento	EN 13032/UNI 11356		
Intensità luminosa massima per Gamma ≥ 90° (nella posizione di misura richiesta)	< 0,49 cd/klm		
Posizione di installazione per i soddisfacimento dei requisiti di Legge:			
L'apparecchio deve essere installato in posizione orizzontale e unicamente come indicato sul foglio istruzioni. Non è ammesso l'uso di schermi che ne inficino il controllo luminoso.			

¹ In base alle dimensioni dell'apparecchio.

Sono quindi conformi alle seguenti Leggi Regionali relative al contenimento dell'inquinamento luminoso e l.mm.ii.:

- **Abruzzo LR 12/05**
- **Alto Adige LP 4/11**
- **Basilicata LR 41/00**
- **Campania LR 13/02**
- **Emilia Romagna LR 19/03**
- **Friuli Venezia Giulia LR 15/07**
- **Lazio LR 23/00**
- **Liguria LR 22/07**
- **Lombardia LR 17/00 e LR 31/15**
- **Marche LR 10/02**
- **Molise LR 2/10**
- **Piemonte LR 31/00 e LR 3/18**
- **Puglia LR 15/05**
- **Sardegna DGR 48/31**
- **Toscana LR 37/00 e LR 39/05**
- **Trentino LP 16/07**
- **Umbria LR 20/05**
- **Valle d'Aosta LR 17/98**
- **Veneto LR 17/09**

Inoltre Laurent Maghe, nel suo ruolo di Responsabile Tecnico del Laboratorio Fotometrico sopra indicato,

dichiara

che i dati fotometrici dei prodotti sopra elencati sono stati rilevati all'interno del laboratorio medesimo, senza manomissioni o alterazioni e sono gestiti in regime controllato di qualità (certificato ISO 9001:2008 n° BE05/051059) e in accordo con le norme di settore. Sono inoltre distribuiti in formato elettronico Eulumdat e disponibili su richiesta e/o sul sito <http://www.schreder.com>.

SCHREDER S.p.A.
Via Tunisia, 3
10093 COLLEGNO (TO)

R-Tech SA
Rue de Mons 3
84000 Liège Belgium



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-008.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaire

Dati elettrici

Electrical data

AXIA 2.1

**4 ÷ 24 LED – 390 ÷ 890 mA – 10 ÷ 68 W
230V – 50 Hz – Cl. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

CEI EN 62493

Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettromagnetici

I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in accordance with the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 13/09/16

Schröder Spa

Schröder S.p.A. -Sede Operativa

Via Val della Torre 131 | 10040 Caselette (To) | T +39 011 98 49 111 | F +39 011 99 49 977

+39 011 98 49 132 Direzione Generale - Vendite

+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-012.16

Schréder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione
Luminaires

AXIA 2.2

Dati elettrici
Electrical data

32 ÷ 48 LED – 370 ÷ 1000 mA – 47 ÷ 151 W
230V – 50 Hz – Cl. I – II

Ermeticità vano ottico/ausiliari elettrici
Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1	Apparecchi di illuminazione – Prescrizioni generali e prove
CEI EN 60598-2-1	Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi
CEI EN 60598-2-3	Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:
Moreover they are in conformity to the following standards:

CEI EN 61000-3	Limiti per emissioni di corrente armonica
CEI EN 61000-4	Compatibilità elettromagnetica (EMC)
CEI EN 62031	Moduli LED per illuminazione generale - Specifiche di sicurezza
CEI EN 61547	Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC
CEI EN 62471	Sicurezza fotobiologica delle lampade e dei sistemi di lampada
CEI EN 55015	Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi
CEI EN 62493	Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettro magnetici

I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in according to the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 13/09/16

Schréder Spa

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info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017

AENOR

ENEC Certification Body registered under ID # 01. For further information, please consult www.enec.com

LICENCE

to use the European Mark



Licence Nr. ENEC/001108

Under the conditions given in the following pages of this document, the licence to use the ENEC Mark in conjunction with the suffix 01, as shown above, has been issued to:

SCHRÉDER GROUP
RUE DE LUSAMBO, 67
B-1190 BRUXELLES (Belgium)

For the product(s):

Luminaire for road and street lighting

Trade name(s):

SCHRÉDER

Complying with the following European Standards:

EN 60598-1:2015; EN 60598-2-3:2003;
EN 60598-2-3:2003/A1:2011; EN 62262:2002

Date: 2019-01-30

Signature:

A handwritten signature in blue ink, appearing to read 'Rafael García', with a long horizontal stroke extending to the right.

Name: Rafael García

Position: General Manager

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

AENOR INTERNACIONAL, S.A.U.
Cl Génova, 6
28004 MADRID (Spain)

AENOR

CERTIFICADO ENEC DE PRODUCTO



Tipo de producto / Type of Product	LUMINARIA PARA ALUMBRADO PÚBLICO
r1) N° Certificado / Certificate n°	ENEC/001108
r2) Fecha Certificado / Date of the Certificate	2019-01-30
r3) N° de Informe de ensayo / Test report n°	-
r4) Nombre y dirección del licenciatario Name and address of the licensee	SCHRÉDER GROUP RUE DE LUSAMBO, 67 B-1190 BRUXELLES (Bélgica)
r5) Dirección de la factoría Address of the factory	AV ROANNE 66 - PI EL HENARES 19130 MARCHAMALO (Guadalajara - España)
r6) Referencia de la Norma Española Spanish Standard	UNE-EN 60598-1:2015; UNE-EN 60598-2-3:2003; UNE-EN 60598-2-3:2003/A1:2011; UNE-EN 62262:2002
r7) Referencia de la Norma Europea European Standard	EN 60598-1:2015; EN 60598-2-3:2003; EN 60598-2-3:2003/A1:2011; EN 62262:2002
r8) Referencia / Type reference	Ver Anexo I <i>refer to Annex I</i>
r9) Marca comercial / Trade mark	SCHRÉDER
r10) Tensión y frecuencia asignadas Rated voltage and frequency	230 V-; 50/60 Hz
r11) N° de lámparas y potencia asignada N° of lamps and rated wattage	Ver Anexo I <i>refer to Annex I</i>
r12) Tipo de lámparas y portalámparas Type of lamps and lampholder	LED (module); SMD
r13) Grado de protección / Degree of protection (IP)	IP 66; IK 08
r14) Medios de conexión a la red Means for power supply connection	Terminals
r15) Clasif. por material superficie apoyo Class. respect supporting material	Suitable for normally flammable surfaces
r16) Protección contra choques eléctricos (clase) Protection against electric shock (class)	Class I, II
r17) Limitaciones / Limitations	Ver Anexo I <i>refer to Annex I</i>
r18) Información adicional / Additional data	Ver Anexo I <i>refer to Annex I</i>
Fecha de caducidad: 2021-11-17 Date of expiry	

AENOR

CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/001108 ANNEX I TO CERTIFICATE ENEC/001108

REFERENCIA <i>Type reference</i>	Nº DE LAMPARAS Y POTENCIA ASIGNADA <i>Nº of lamps and rated wattage</i>	LIMITACIONES <i>Limitations</i>	INFORMACIÓN ADICIONAL <i>Additional data</i>
AXIA 2.1 16 LED 19 W	16 LED; 19 W; 390 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 16 LED 24 W	16 LED; 24 W; 480 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 16 LED 30 W	16 LED; 30 W; 600 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 16 LED 34 W	16 LED; 34 W; 690 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 16 LED 38 W	16 LED; 38 W; 760 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 24 LED 36 W	24 LED; 36 W; 490 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 24 LED 40 W	24 LED; 40 W; 540 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 24 LED 47 W	24 LED; 47 W; 630 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 24 LED 51 W	24 LED; 51 W; 690 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 24 LED 56 W	24 LED; 56 W; 750 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 24 LED 66 W	24 LED; 66 W; 890 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 4 LED 8 W	4 LED; 8 W; 680 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white

Original Electrónico

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.es

Entidad de certificación de producto acreditada por ENAC con nº 01/C-PR275
Product certification body accredited by ENAC, number 01/C-PR275

AENOR

CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/001108 ANNEX I TO CERTIFICATE ENEC/001108

REFERENCIA <i>Type reference</i>	Nº DE LAMPARAS Y POTENCIA ASIGNADA <i>Nº of lamps and rated wattage</i>	LIMITACIONES <i>Limitations</i>	INFORMACIÓN ADICIONAL <i>Additional data</i>
AXIA 2.1 8 LED 12 W	8 LED; 12 W; 480 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 8 LED 17 W	8 LED; 17 W; 690 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.1 8 LED 20 W	8 LED; 20 W; 820 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 50 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.1 Series. Neutral white
AXIA 2.2 32 LED 68 W	32 LED; 68 W; 690 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 32 LED 85 W	32 LED; 85 W; 860 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 32 LED 95 W	32 LED; 95 W; 960 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 40 LED 114 W	40 LED; 114 W; 920 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 40 LED 124 W	40 LED; 124 W; 1000 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 40 LED 46 W	40 LED; 46 W; 370 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 40 LED 51 W	40 LED; 51 W; 410 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 40 LED 56 W	40 LED; 56 W; 450 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 40 LED 60 W	40 LED; 60 W; 480 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white

Original Electrónico

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.es

Entidad de certificación de producto acreditada por ENAC con nº 01/C-PR275
Product certification body accredited by ENAC, number 01/C-PR275

AENOR

CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/001108 ANNEX I TO CERTIFICATE ENEC/001108

REFERENCIA <i>Type reference</i>	Nº DE LAMPARAS Y POTENCIA ASIGNADA <i>Nº of lamps and rated wattage</i>	LIMITACIONES <i>Limitations</i>	INFORMACIÓN ADICIONAL <i>Additional data</i>
AXIA 2.2 40 LED 94 W	40 LED; 94 W; 760 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 109 W	48 LED; 109 W; 730 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 119 W	48 LED; 119 W; 800 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 132 W	48 LED; 132 W; 890 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 143 W	48 LED; 143 W; 960 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 149 W	48 LED; 149 W; 1020 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 68 W	48 LED; 68 W; 460 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 79 W	48 LED; 79 W; 530 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 88 W	48 LED; 88 W; 590 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white
AXIA 2.2 48 LED 98 W	48 LED; 98 W; 660 mA	Horizontal mounting. Fixed to post or arm. Ta max. = 30 °C. Min. clearance to illum. objects: 0,2 m	AXIA 2.2 Series. Neutral and warm white



ENEC Certification Body registered under ID # 02. Validity of ENEC and ENEC+ licences can be checked at www.enec.com

LICENCE

to use the ENEC+ Mark



ENEC+ Licence No.: 21233

Under the conditions given in the "Rules concerning the use of the CEBEC mark" complemented by the ENEC+ Agreement under contract 1173/2, the licence to use the ENEC+ Mark with suffix 02, as shown above, has been issued to:

Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium

For the product:

Street and road lighting

Trade name(s):

SCHREDER

Type(s)/Model(s):

AXIA GEN 2 Size 1 (AXIA 2.1), AXIA GEN 2 Size 2 (AXIA 2.2)

Complying with the following EPRS for performance:

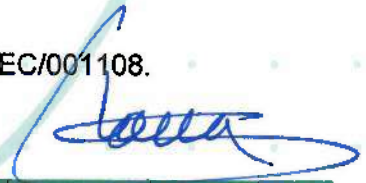
EPRS 003:2014

Based on test report No. P1546-47_219C_022019

This licence is conditional to the validity of the ENEC Licence No.: ENEC/001108.

Date: 2019-05-08

Signature:



Name: Calogero LANA
Position: Certification Manager

Characteristics :

Description : Street and road lighting

Rated voltage (Un) : 230 V

Rated frequency : 50 Hz

Class : class I and class II

Rated power : 10-151 W

Colour temperature : 3000 K, 4000 K

Luminous flux : 364-18730 lm

Efficacy (lm/W) : 36-144 lm/W





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-laan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348

.be

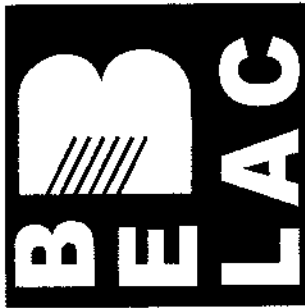
BELAC

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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-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

Dichiarazione
di Conformità alle Leggi relative al contenimento dell’Inquinamento Luminoso
e Veridicità delle misurazioni e dei dati fotometrici

La ditta **Schröder S.p.A.**, con sede operativa in Via Tunisia 3 a Collegno (TO), azienda certificata ISO 9001:2008 con certificato numero 9130.COS6, dichiara sotto la propria responsabilità che i prodotti modello

AXIA 2.1 – AXIA 2.2 con lenti integrate in PC trasparente

con ottiche asimmetriche stradali, con tutti i numeri di LED disponibili e a tutte le correnti di alimentazione, sono stati testati nel

Laboratorio fotometrico di	R-tech SA, Centro Ricerca e Sviluppo europeo del Gruppo Schröder
Accreditamento EN ISO 17025	Certificato Beltest n° 226-TEST (allegato)
Responsabile Tecnico	Ing. Laurent Maghe

secondo le indicazioni di seguito riportate:

Sistema di misura	Goniofotometro LMT tipo GO-DS 2000	Posizione apparecchio durante la misura	Orizzontale
Parametri di misura	Previsti dalla normativa	Incertezza di misura	Intensità $\pm 3\%$
Sistema di riferimento	C-Gamma	Simmetria applicata	Nessuna
Tensione di	230V $\pm 0,1\%$	Frequenza	50 Hz $\pm 0,1\%$
Temperatura Ambiente	25°C $\pm 1^\circ\text{C}$	Centro fotometrico	Al centro del vetro
Distanza fotocellula	10m o 30m ¹	Incertezza del flusso	$\pm 3\%$
Norme di riferimento	EN 13032/UNI 11356		
Intensità luminosa massima per Gamma $\geq 90^\circ$ (nella posizione di misura richiesta)		< 0,49 cd/klm	
Posizione di installazione per i soddisfacimento dei requisiti di Legge:			
L'apparecchio deve essere installato in posizione orizzontale e unicamente come indicato sul foglio istruzioni. Non è ammesso l'uso di schermi che ne inficino il controllo luminoso.			

¹ In base alle dimensioni dell'apparecchio.

Sono quindi conformi alle seguenti Leggi Regionali relative al contenimento dell'inquinamento luminoso e l.mm.ii.:

- **Abruzzo LR 12/05**
- **Alto Adige LP 4/11**
- **Basilicata LR 41/00**
- **Campania LR 13/02**
- **Emilia Romagna LR 19/03**
- **Friuli Venezia Giulia LR 15/07**
- **Lazio LR 23/00**
- **Liguria LR 22/07**
- **Lombardia LR 17/00 e LR 31/15**
- **Marche LR 10/02**
- **Molise LR 2/10**
- **Piemonte LR 31/00 e LR 3/18**
- **Puglia LR 15/05**
- **Sardegna DGR 48/31**
- **Toscana LR 37/00 e LR 39/05**
- **Trentino LP 16/07**
- **Umbria LR 20/05**
- **Valle d'Aosta LR 17/98**
- **Veneto LR 17/09**

Inoltre Laurent Maghe, nel suo ruolo di Responsabile Tecnico del Laboratorio Fotometrico sopra indicato,

dichiara

che i dati fotometrici dei prodotti sopra elencati sono stati rilevati all'interno del laboratorio medesimo, senza manomissioni o alterazioni e sono gestiti in regime controllato di qualità (certificato ISO 9001:2008 n° BE05/051059) e in accordo con le norme di settore. Sono inoltre distribuiti in formato elettronico Eulumdat e disponibili su richiesta e/o sul sito <http://www.schreder.com>.

SCHREDER S.p.A.
Via Tunisia, 3
10093 COLLEGNO (TO)

R-Tech SA
Rue de Mons 3
84000 Liège Belgium



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-003.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaire

Dati elettrici

Electrical data

KAZU

**12 ÷ 24 LED – 350 ÷ 1000 mA – 15 ÷ 82 W
230V – 50 Hz – Cl. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

CEI EN 62493

Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettromagnetici

I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in accordance with the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 24/06/16

Schröder Spa

Schröder S.p.A. -Sede Operativa

Via Val della Torre 131 | 10040 Caselette (To) | T +39 011 98 49 111 | F +39 011 99 49 977

+39 011 98 49 132 Direzione Generale - Vedite

+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017

LICENCE

No. 21176 - Issue No 3

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium

Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square and street lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : KAZU

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

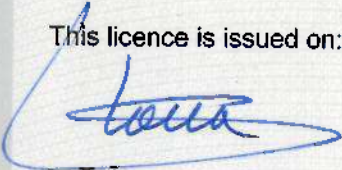
SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 27/06/2019


Ir. C. Lana,
Certification Manager

© Only integral publication of this certificate, including the annex, is allowed
This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square and street lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	KAZU
description	:	Street lighting luminaire
rated voltage (Un)	:	220-240 V
nature of supply	:	ac
rated frequency	:	50-60 Hz
rated power	:	max. 82 W
rated ambient temperature (ta)	:	max. 55°C (outdoor) max 45°C (indoor)
class	:	class I
degree of protection	:	IP66 or IP56 (connecting box without supply cord provided)
additional information	:	IK10
lamp(s)	:	12-16-24 Leds cree XP-G3 XP-G2 or XP-G3
rated output current (In out)	:	max. 1000 mA

TESTS

Test requirements

EN 60598-1:2015
EN 60598-2-3:2003 + A1:2011

Test results

The test results are laid down in certification file ref. 630189/03.

Remarks

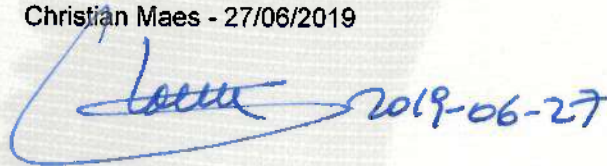
This certificate is based on test reports Nos. TGM-VA EE 36122 SFT-1, TGM-VA EE 36122a SFT, TGM-VA EE 37087 SFT, P2564-I.

Conclusion

The examination proved that all certification requirements were met.

Reviewed by, project leader : Christian Maes - 27/06/2019

Certification Manager :



Christian Maes 2019-06-27

FACTORY LOCATION(S)

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPIIL
Ukraine

Schreder (China) Lighting Industrial Co., Ltd
No.40 Xinye 2 Street, Tianjin Economic Technological Development Zone West Zone,
300462 Tianjin City, P.R.China
China

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain

Schröder Iluminação S.A.
Rua da Fraternidade Operária, n° 3
2795-491 CARNAXIDE, OEIRAS
Portugal

Comatelec S.A.
Z.I.
18400 SAINT FLORENT S/CHER
France

Schröder Hungary Plc.
Tópart 2
2084 PILISSZENTIVAN
Hungary

LICENCE

No. 21177 - Issue No 3

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium

Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square and street lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : KAZU

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 27/06/2019

ir. E. Lana,
Certification Manager

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rated ambient temperature (ta)	:	max. 55°C (outdoor) max 45°C (indoor)
class	:	class II
degree of protection	:	IP66 or IP56 (connecting box without supply cord provided)
additional information	:	IK10
lamp(s)	:	12-16-24 Leds cree XP-G3 XP-G2 or XP-G3
rated output current (In out)	:	max. 1000 mA

TESTS

Test requirements

EN 60598-1:2015
EN 60598-2-3:2003 + A1:2011

Test results

The test results are laid down in certification file ref. 630189/04.

Remarks

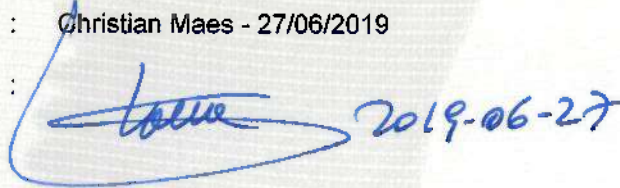
This certificate is based on test reports Nos. TGM-VA EE 36257 SFT, TGM-VA EE 36257a SFT, TGM-VA EE 37086 SFT, P2564-II.

Conclusion

The examination proved that all certification requirements were met.

Reviewed by, project leader : Christian Maes - 27/06/2019

Certification Manager :

 2019-06-27

FACTORY LOCATION(S)

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPIIL
Ukraine

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No.40 Xinye 2 Street, Tianjin Economic Technological Development Zone West Zone,
300462 Tianjin City, P.R.China
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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-laan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348

.be

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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-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 EN ISO/IEC 17025:2017. 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,

Nicole MEURÉE-VANLAETHEM

Issue date : 2019-01-10

Validity date : 2021-05-27

Original version of this certificate is in French.

Dichiarazione
di Conformità alle Leggi relative al contenimento dell’Inquinamento Luminoso
e Veridicità delle misurazioni e dei dati fotometrici

La ditta **Schröder S.p.A.**, con sede operativa in Via Tunisia 3 Collegno (TO), azienda certificata ISO 9001:2008 con certificato numero 9130.COS6, dichiara sotto la propria responsabilità che il prodotto modello

KAZU con protettore piano

con tutti i tipi di ottiche stradali, simmetriche, circolari e per attraversamenti pedonali, con 12-16-24 LED disponibili
@ 350, 500, 700 1000mA,

è stato testato nel

Laboratorio fotometrico di	R-tech SA, Centro Ricerca e Sviluppo europeo del Gruppo Schröder
Accreditamento EN ISO 17025	Certificato Beltest n° 226-TEST (allegato)
Responsabile Tecnico	Ing. Laurent Maghe

secondo le indicazioni di seguito riportate:

Sistema di misura	Goniofotometro LMT tipo GO-DS 2000	Posizione apparecchio durante la misura	Orizzontale
Parametri di misura	Previsti dalla normativa	Incertezza di misura	Intensità ±3%
Sistema di riferimento	C-Gamma	Simmetria applicata	Nessuna
Tensione di	230V ±0,1%	Frequenza	50 Hz ±0,1%
Temperatura Ambiente	25°C ±1°C	Centro fotometrico	Al centro del vetro
Distanza fotocellula	10m o 30m ¹	Incertezza del flusso	±3%
Norme di riferimento	EN 13032/UNI 11356		
Intensità luminosa massima per Gamma ≥ 90° (nella posizione di misura richiesta)		< 0,49 cd/klm	
Posizione di installazione per i soddisfacimento dei requisiti di Legge:			
L'apparecchio deve essere installato in posizione orizzontale e unicamente come indicato sul foglio istruzioni. Non è ammesso l'uso di schermi che ne inficino il controllo luminoso.			

¹ In base alle dimensioni dell'apparecchio.

È quindi conforme alle seguenti Leggi Regionali relative al contenimento dell'inquinamento luminoso e l.mm.ii.:

- **Abruzzo LR 12/05**
- **Alto Adige LP 4/11**
- **Basilicata LR 41/00**
- **Campania LR 13/02**
- **Emilia Romagna LR 19/03**
- **Friuli Venezia Giulia LR 15/07**
- **Lazio LR 23/00**
- **Liguria LR 22/07**
- **Lombardia LR 17/00 e LR 31/15**
- **Marche LR 10/02**
- **Molise LR 2/10**
- **Piemonte LR 31/00 e LR 3/18**
- **Puglia LR 15/05**
- **Sardegna DGR 48/31**
- **Toscana LR 37/00 e LR 39/05**
- **Trentino LP 16/07**
- **Umbria LR 20/05**
- **Valle d'Aosta LR 17/98**
- **Veneto LR 17/09**

Inoltre Laurent Maghe, nel suo ruolo di Responsabile Tecnico del Laboratorio Fotometrico sopra indicato,

dichiara

che i dati fotometrici dei prodotti sopra elencati sono stati rilevati all'interno del laboratorio medesimo, senza manomissioni o alterazioni e sono gestiti in regime controllato di qualità (certificato ISO 9001:2008 n° BE05/051059) e in accordo con le norme di settore. Sono inoltre distribuiti in formato elettronico Eulumdat e disponibili su richiesta e/o sul sito <http://www.schreder.com>.

SCHREDER S.p.A.
Via Tunisia, 3
10093 COLLEGNO (TO)

R-Tech SA
Rue de Mons 3
84000 Liège Belgium



DICHIARAZIONE DI CONFORMITA' CE CONFORMITY DECLARATION

STL-32-2014

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaires

Dati elettrici

Electrical data

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

NEOS 3 LED

64 LED – 99W - 230 V - 50 Hz - CL. II

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme:
which this declaration is referred are manufactured in conformity with the following standards:

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-5

Apparecchi di illuminazione – Prescrizioni particolari. Proiettori

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61347-2

Unità di alimentazione di lampada - prescrizioni particolari per unità di alimentazione elettroniche alimentate in corrente continua o in corrente alternata per moduli LED

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

I prodotti rispondono ai requisiti delle direttive CEE 06/95; CEE 04/108; CEE 03/108; CEE 02/96; CEE 02/95; CEE 09/125;

Products are in according to the requirements of the directives EEC 06/95; EEC 04/108; EEC 03/108; EEC 02/95; EEC 09/125; EEC 02/96.

Caselette, 14/11/14

Schröder Spa

Schröder S.p.A. -Sede Operativa

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+39 011 98 49 132 Direzione Generale - Vedite

+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017



DICHIARAZIONE DI CONFORMITA'
CE CONFORMITY DECLARATION
STL62-2015

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminares

Dati elettrici

Electrical data

NEOS 1 LED

**16 / 24 LED – 350 ÷ 500mA – 18 ÷ 38 W -
230 V - 50 Hz - CL. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP67

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove
Idoneità al montaggio diretto su superfici normalmente
infiammabili

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-5

Apparecchi di illuminazione – Prescrizioni particolari. Proiettori

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di
illuminazione elettrici e degli apparecchi analoghi

I prodotti rispondono ai requisiti delle direttive CEE 06/95; CEE 04/108; CEE 03/108; CEE 02/96; CEE
02/95; CEE 09/125;

*Products are in according to the requirements of the directives EEC 06/95; EEC 04/108; EEC 03/108;
EEC 02/95; EEC 09/125; EEC 02/96.*

Caselette, 22/12/15

Schröder Spa

Schröder S.p.A. -Sede Operativa

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info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017



DICHIARAZIONE DI CONFORMITA'
CE CONFORMITY DECLARATION
STL63-2015

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaire

Dati elettrici

Electrical data

NEOS 2 LED

**32 / 48 LED – 350 ÷ 500mA – 36 ÷ 75 W -
230 V - 50 Hz - CL. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP67

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-5

Apparecchi di illuminazione – Prescrizioni particolari. Proiettori

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

I prodotti rispondono ai requisiti delle direttive CEE 06/95; CEE 04/108; CEE 03/108; CEE 02/96; CEE 02/95; CEE 09/125;

Products are in according to the requirements of the directives EEC 06/95; EEC 04/108; EEC 03/108; EEC 02/95; EEC 09/125; EEC 02/96.

Caselette, 28/07/15

Schröder Spa

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+39 011 98 49 158 Amministrazione

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info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017

LICENCE

No. 18494

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium

Licensee:
Schreder Group
Rue de Lusambo, 67
B-1190 BRUXELLES
Belgium



Product : road, square and street lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : NEOS 1 LED-Lensoflex, NEOS 2 LED-Lensoflex, NEOS 3 LED-Lensoflex

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 23/08/2013

ir. C. Lana,
Certification Manager

© Only integral publication of this certificate, including the annex, is allowed
This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square and street lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	NEOS 1 LED-Lensoflex, NEOS 2 LED-Lensoflex, NEOS 3 LED-Lensoflex
rated current (In)	:	500 mA
rated voltage (Un)	:	230 V
rated frequency	:	50 Hz
temperature limit (t max)	:	35°C
class	:	class I
degree of protection	:	IP66
lamp(s)	:	LED

Product data - type NEOS 1 LED-Lensoflex

rated power	:	41 W
additional information	:	max. 24 LED's

Product data - type NEOS 2 LED-Lensoflex

rated power	:	78 W
additional information	:	max. 48 LED's

Product data - type NEOS 3 LED-Lensoflex

rated power	:	103 W
additional information	:	max. 64 LED's

TESTS

Test requirements

EN 60598-1:2008 + A11:2009
EN 60598-2-3:2003

Test results

The test results are laid down in certification file 597956/01.

Remarks

This certificate is based on test reports Nos. S1303 (SMT) and S1303b (SMT).

Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 23/08/2013

Department Manager,
Product Certification :

Certification Manager :

 2013-08-23

FACTORY LOCATION(S)

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain

LICENCE

No. 18495

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium

Licensee:
Schreder Group
Rue de Lusambo, 67
B-1190 BRUXELLES
Belgium



Product : road, square and street lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : NEOS 1 LED-Lensoflex, NEOS 2 LED-Lensoflex, NEOS 3 LED-Lensoflex

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 23/08/2013

Ir. C. Lana,
Certification Manager

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This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square and street lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	NEOS 1 LED-Lensoflex, NEOS 2 LED-Lensoflex, NEOS 3 LED-Lensoflex
rated current (In)	:	500 mA
rated voltage (Un)	:	230 V
rated frequency	:	50 Hz
temperature limit (t max)	:	35°C
class	:	class II
degree of protection	:	IP66
lamp(s)	:	LED

Product data - type NEOS 1 LED-Lensoflex

rated power	:	41 W
additional information	:	max. 24 LED's

Product data - type NEOS 2 LED-Lensoflex

rated power	:	78 W
additional information	:	max. 48 LED's

Product data - type NEOS 3 LED-Lensoflex

rated power	:	103 W
additional information	:	max. 64 LED's

TESTS

Test requirements

EN 60598-1:2008 + A11:2009
EN 60598-2-3:2003

Test results

The test results are laid down in certification file 597956/02.

Remarks

This certificate is based on test reports Nos. S1304 (SMT) and S1304b (SMT).

Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 23/08/2013

Department Manager,
Product Certification :

Certification Manager :



Maes 2013-08-23

FACTORY LOCATION(S)

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain



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
Bellage 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-laan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348

.be

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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-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 EN ISO/IEC 17025:2017. 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,

Nicole MEURÉE-VANLAETHEM

Issue date : 2019-01-10

Validity date : 2021-05-27

Original version of this certificate is in French.

Dichiarazione
di Conformità alle Leggi relative al contenimento dell’Inquinamento Luminoso
e Veridicità delle misurazioni e dei dati fotometrici

La ditta **Schröder S.p.A.**, con sede operativa in Via Tunisia 3 Collegno (TO), azienda certificata ISO 9001:2008 con certificato numero 9130.COS6, dichiara sotto la propria responsabilità che i prodotti modello

NEOS LED 1-2-3 con protettore in vetro piano,

con tutti i tipi di ottiche stradali, asimmetriche e per attraversamenti pedonali, con 16-24-32-48-64 LED @ 350 e 500mA,

sono stati testati nel

Laboratorio fotometrico di	R-tech SA, Centro Ricerca e Sviluppo europeo del Gruppo Schröder
Accreditamento EN ISO 17025	Certificato Beltest n° 226-TEST (allegato)
Responsabile Tecnico	Ing. Laurent Maghe

secondo le indicazioni di seguito riportate:

Sistema di misura	Goniofotometro LMT tipo GO-DS 2000	Posizione apparecchio durante la misura	Orizzontale
Parametri di misura	Previsti dalla normativa	Incertezza di misura	Intensità ±3%
Sistema di riferimento	C-Gamma	Simmetria applicata	Nessuna
Tensione di	230V ±0,1%	Frequenza	50 Hz ±0,1%
Temperatura Ambiente	25°C ±1°C	Centro fotometrico	Al centro del vetro
Distanza fotocellula	10m o 30m ¹	Incertezza del flusso	±3%
Norme di riferimento	EN 13032/UNI 11356		
Intensità luminosa massima per Gamma ≥ 90° (nella posizione di misura richiesta)		< 0,49 cd/klm	
Posizione di installazione per i soddisfacimento dei requisiti di Legge:			
L'apparecchio deve essere installato in posizione orizzontale e unicamente come indicato sul foglio istruzioni. Non è ammesso l'uso di schermi che ne inficino il controllo luminoso.			

¹ In base alle dimensioni dell'apparecchio.

Sono quindi conformi alle seguenti Leggi Regionali relative al contenimento dell'inquinamento luminoso e l.mm.ii.:

- **Abruzzo LR 12/05**
- **Alto Adige LP 4/11**
- **Basilicata LR 41/00**
- **Campania LR 13/02**
- **Emilia Romagna LR 19/03**
- **Friuli Venezia Giulia LR 15/07**
- **Lazio LR 23/00**
- **Liguria LR 22/07**
- **Lombardia LR 17/00 e LR 31/15**
- **Marche LR 10/02**
- **Molise LR 2/10**
- **Piemonte LR 31/00 e LR 3/18**
- **Puglia LR 15/05**
- **Sardegna DGR 48/31**
- **Toscana LR 37/00 e LR 39/05**
- **Trentino LP 16/07**
- **Umbria LR 20/05**
- **Valle d'Aosta LR 17/98**
- **Veneto LR 17/09**

Inoltre Laurent Maghe, nel suo ruolo di Responsabile Tecnico del Laboratorio Fotometrico sopra indicato,

dichiara

che i dati fotometrici dei prodotti sopra elencati sono stati rilevati all'interno del laboratorio medesimo, senza manomissioni o alterazioni e sono gestiti in regime controllato di qualità (certificato ISO 9001:2008 n° BE05/051059) e in accordo con le norme di settore. Sono inoltre distribuiti in formato elettronico Eulumdat e disponibili su richiesta e/o sul sito <http://www.schreder.com>.

SCHREDER S.p.A.
Via Tunisia, 3
10093 COLLEGNO (TO)

R-Tech SA
Rue de Mons 3
84000 Liège Belgium

Alulírott a TUNGSRAM-Schröder Világítási Berendezések Zrt. H-2084 Pilisszentiván, Tópart 2., mint gyártó, kizárólagos felelőségében kijelentem, hogy az alábbi termékek a CE-jelölés követelményeivel összhangban, megfelelnek a lent részletezett direktíváknak és szabványoknak. / Under sole responsibility of TUNGSRAM-Schröder Lighting Equipment Co. Ltd. H-2084 Pilisszentiván, Tópart 2. as manufacturer I declare that following products are in conformity with the below detailed EU directives and standards in line with CE marking.

OMNISTAR világítási berendezés/ lighting equipment Id:

CE jelölés éve/ Year of CE marking was affixed: 2014

1. Egyedi termékazonosító (PL: Projektszám/ Megrendelésszám/ Szériaszám, Gyártási dátum) / Individual product identification (E.g. Project number, Order number, Serial number, Manufacturing date):

2. Műszaki specifikáció/ Technical specification

Termék leírása/ Product Description	Közvilágítási-, Tranzit-, Sport lámpatest / Road, Transit, Sport lighting luminaire
Bemeneti teljesítmény @ Ta = 25°C* / Input Power @ Ta = 25°C	70 W - 547 W
Ledek száma/ Number of LEDs	64 - 144 LED
Dimenzió (Hossz x Szélesség x Magasság) / Dimensions (LxWxH)	582 x 806 x 355 mm (KIT); 530 x 532 x 80 mm (Optical Block); 472 x 310 x 77 mm (IP 20 Indoor Gear box for 1 optical unit); 640 x 452 x 77 mm (IP 20 Indoor Gear box for 2-3 optical units); 700 x 500 x 200 mm (IP65 Remote outdoor cabinet); 526 x 331,5 x 141,5 mm (IP66 Remote Gearbox)
Hálózati feszültség / Line Voltage	120 - 277 V (KIT); 120 - 277 V / 100 - 240 V (Optical Block, Gear boxes)
Hálózati frekvencia / Line frequency	50 - 60 Hz
Érintésvédelmi osztály (IEC) / Electrical Safety Class (IEC)	Class I.; Class II.
Védettségi érték / Enclosure Tightness	IP66
Törési szilárdság / Enclosure Mechanical Withstand Impact	IK08

3. ENEC jelölés/ ENEC marking

ENEC tanúsítvány hivatkozási száma Reference number of ENEC Certification	ENEC/CEBEC Licence No.: 20125 / 20126
ENEC tanúsítvány kiállítási éve/ Issue date of ENEC Certification	24/10/2016
ENEC test jegyzőkönyv hivatkozási száma/ Reference number of ENEC Test report	P4501-I / P4501-II

4. EU Direktívák, rendeletek / EU directives, regulations

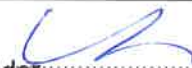
Hivatkozási szám / Reference n°	Title/ Cím
2014/35/EU	Low Voltage Directive
2014/30/EU	E.M.C. Directive
2011/65/EU	RoHS Directive
2009/125/EC	Eco-design Directive

E nyilatkozat fent leírt tárgya összhangban van az egyes veszélyes anyagok elektromos és elektronikus berendezésekben való alkalmazásának korlátozásáról szóló, 2011. június 8-i 2011/65/EU európai parlamenti és tanácsi irányelvvel. / The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

5. Szabványok/ Standards

Hivatkozási szám / Reference n°	Title/ Cím
EN 60598-2-5:2016 + A1:2011	Floodlights
EN 60598-1:2015+ A11:2009	Luminaires - General requirements and tests
EN 62471:2008	Photobiological safety of lamps and lamp systems
EN 55015:2013	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15)
EN 61000-3-2:2014	Limits for harmonic current emissions
EN 61000-3-3:2013	Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection (IEC 61000-3-3:2013)
EN 61547:2009	Equipment for general lighting purpose, immunity requirements
EN 62493:2010	Assessment of Lighting Equipment related to Human Exposure to Electromagnetic Fields
EN 62722-1:2016	Luminaire performance. Part 1: General requirements
EN 62722-2-1: 2016	Luminaire performance. Part 2-1: Particular requirements for LED luminaires

Pilisszentiván, 2017.06.16.


Tungstam-Schröder
Világítási Berendezések Zrt. Kis László
Minőségirányítási Igazgató / Quality Director
2084 Pilisszentiván, Tópart u.



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-013.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaires

Dati elettrici

Electrical data

OMNISTAR

128 / 144 LED – 700 / 1000 mA – 230 V –

50 Hz - CL. I / II

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP67

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-5

Apparecchi di illuminazione – Prescrizioni particolari. Proiettori

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

CEI EN 62493

Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettromagnetici

I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in accordance with the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 07/10/16

Schröder Spa

Schröder S.p.A. -Sede Operativa

Via Val della Torre 131 | 10040 Caselette (To) | T +39 011 98 49 111 | F +39 011 99 49 977

+39 011 98 49 132 Direzione Generale - Vendite

+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017



ENEC Certification Body registered under ID # 02. Validity of ENEC and ENEC+ licences can be checked at www.enec.com

LICENCE

to use the ENEC+ Mark



ENEC+ License No.: 21605

Under the conditions given in the "Rules concerning the use of the CEBEC mark" complemented by the ENEC+ Agreement under contract 1173/2, the license to use the ENEC+ Mark with suffix 02, as shown above, has been issued to:

Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium

For the product:

Street and flood lighting luminaire

Trade name(s):

SCHREDER

Type(s)/Model(s):

OMNISTAR, TAG1, TAG2

Complying with the following EPRS for performance:

EPRS 003:2018, IEC 62722-1:2014, IEC 62722-2-1:2014

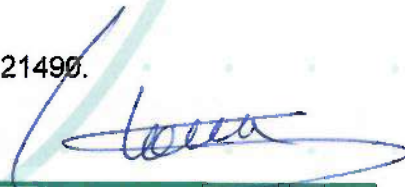
EN 62722-1:2016, EN 62722-2-1:2016

Based on test report No. P4501-5522_XP-G3_XP-L2_OSLON

This license is conditional to the validity of the ENEC License No.: 21490.

Date: 2019-12-12

Signature:



Name: Calogero LANA
Position: Certification Manager

Characteristics :

Rated voltage (Un) : 220-240 V
Nature of supply : ac
Rated frequency : 50-60 Hz
Class : class I

Product data – type OMNISTAR:

Description : Optical lighting fixture
Rated power : max. 530 W
Lamps : 64-72-96-128-144 leds (XP-G3, XP-L2)
Colour rendering index CRI : 70, 80, 90
Colour temperature (CCT) : 3000 K, 4000 K, 5700 K
Luminous flux : max. 67973 lm
Efficacy (lm/W) : max. 158 lm/W

Product data – type TAG1:

Description : Optical lighting fixture
Rated power : max 200 W
Lamps : 48-64 leds (OSLON)
Colour rendering index CRI : 70
Colour temperature (CCT) : 4000 K
Luminous flux : max. 23023 lm
Efficacy (lm/W) : max. 137 lm/W

Product data – type TAG2:

Description : Optical lighting fixture
Rated power : max 466 W
Lamps : 128 leds (OSLON, XP-G3, XP-L2)
Colour rendering index CRI : 70
Colour temperature (CCT) : 4000 K
Luminous flux : max. 56504 lm
Efficacy (lm/W) : max. 140 lm/W

SGS



ENEC Certification Body registered under ID # 02. Validity of ENEC and ENEC+ licences can be checked at www.enec.com

LICENCE

to use the ENEC+ Mark



ENEC+ License No.: 21606

Under the conditions given in the "Rules concerning the use of the CEBEC mark" complemented by the ENEC+ Agreement under contract 1173/2, the license to use the ENEC+ Mark with suffix 02, as shown above, has been issued to:

Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium

For the product:

Street and flood lighting luminaire

Trade name(s):

SCHREDER

Type(s)/Model(s):

OMNISTAR, TAG1, TAG2

Complying with the following EPRS for performance:

EPRS 003:2018, IEC 62722-1:2014, IEC 62722-2-1:2014

EN 62722-1:2016, EN 62722-2-1:2016

Based on test report No. P4501-5522_XP-G3_XP-L2_OSLON

This license is conditional to the validity of the ENEC License No.: 21491.

Date: 2019-12-12

Signature:

Name: Calogero LANA
Position: Certification Manager

Characteristics :

Rated voltage (Un)	:	220-240 V
Nature of supply	:	ac
Rated frequency	:	50-60 Hz
Class	:	class II

Product data – type OMNISTAR:

Description	:	Optical lighting fixture
Rated power	:	max. 530 W
Lamps	:	64-72-96-128-144 leds (XP-G3, XP-L2)
Colour rendering index CRI	:	70, 80, 90
Colour temperature (CCT)	:	3000 K, 4000 K, 5700 K
Luminous flux	:	max. 67973 lm
Efficacy (lm/W)	:	max. 158 lm/W

Product data – type TAG1:

Description	:	Optical lighting fixture
Rated power	:	max 200 W
Lamps	:	48-64 leds (OSLON)
Colour rendering index CRI	:	70
Colour temperature (CCT)	:	4000 K
Luminous flux	:	max. 23023 lm
Efficacy (lm/W)	:	max. 137 lm/W

Product data – type TAG2:

Description	:	Optical lighting fixture
Rated power	:	max 466 W
Lamps	:	128 leds (OSLON, XP-G3, XP-L2)
Colour rendering index CRI	:	70
Colour temperature (CCT)	:	4000 K
Luminous flux	:	max. 56504 lm
Efficacy (lm/W)	:	max. 140 lm/W

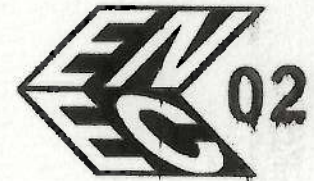
LICENCE

No. 20940 replaces No.20125

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium



Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square, street, flood lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : OMNISTAR

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 23/08/2018

ir. C. Lana,
Certification Manager

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This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square, street, flood lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	OMNISTAR
description	:	Flood lighting
rated voltage (Un)	:	120-240 V
nature of supply	:	AC
rated frequency	:	50-60 Hz
rated secondary current (In SEC)	:	350, 500, 700, 1000, 1200 mA
class	:	class I
degree of protection	:	IP66/IP66
additional information	:	IK08
lamp(s)	:	64-72-96-128-144 leds XPG2 / XPG3 XPL / XPL2
rated ambient temperature (ta)	:	Ta up to 55°C

Additional information

OMNISTAR Configurations :

- OMNISTAR GEAR BOX = separate enclosure with supply connection (LED control gear supply connection)
- OMNISTAR OPTICAL BLOCK = separate LED module configuration enclosure
- OMNISTAR KIT = gear box with optical block assembled enclosure

TESTS

Test requirements

EN 60598-1:2015
EN 60598-2-5:2015

Test results

The test results are laid down in certification file ref. 618720/10.

Remarks

This certificate is based on test report No. P4501-1a.

Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 23/08/2018

Department Manager,
Product Certification :

 2018-08-23

Certification Manager :

FACTORY LOCATION(S)

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPIIL
Ukraine

Schreder (China) Lighting Industrial Co., Ltd
No.40 Xinye 2 Street, Tianjin Economic Technological Development Zone West Zone,
300462 Tianjin City, P.R.China
China

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain

Schröder Iluminação S.A.
Rua da Fraternidade Operária, n° 3
2795-491 CARNAXIDE, OEIRAS
Portugal

Comatelec S.A.
Z.I.
18400 SAINT FLORENT S/CHER
France

Tungram-Schröder Világítási Berendezések Zrt
Tópart 2
2084 PILISSZENTIVAN
Hungary

LICENCE

No. 20941 replaces No.20126

Issued to:
Applicant:
R-Tech
Rue de Mons, 3.
4000 LIEGE
Belgium



Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square, street, flood lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : OMNISTAR

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 23/08/2018

ir. C. Lana,
Certification Manager

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This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square, street, flood lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	OMNISTAR
description	:	Flood lighting
rated voltage (Un)	:	120-240 V
nature of supply	:	AC
rated frequency	:	50-60 Hz
rated secondary current (In SEC)	:	350, 500, 700, 1000, 1200 mA
class	:	class II
degree of protection	:	IP66/IP66
additional information	:	IK08
lamp(s)	:	64-72-96-128-144 leds XPG2 / XPG3, XPL / XPL2
rated ambient temperature (ta)	:	Ta up to 55°C

Additional information

OMNISTAR Configurations :

- OMNISTAR GEAR BOX = separate enclosure with supply connection (LED control gear supply connection)
- OMNISTAR OPTICAL BLOCK = separate LED module configuration enclosure
- OMNISTAR KIT = gear box with optical block assembled enclosure

TESTS

Test requirements

EN 60598-1:2015
EN 60598-2-5:2015

Test results

The test results are laid down in certification file ref. 618720/11.

Remarks

This certificate is based on test report No. P4501-IIa.

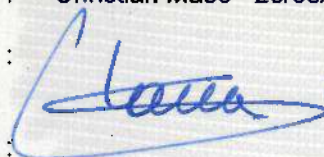
Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 23/08/2018

Department Manager,
Product Certification

Certification Manager



2018-08-23

FACTORY LOCATION(S)

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPIL
Ukraine

Schreder (China) Lighting Industrial Co., Ltd
No.40 Xinye 2 Street, Tianjin Economic Technological Development Zone West Zone,
300462 Tianjin City, P.R.China
China

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain

Schröder Iluminação S.A.
Rua da Fraternidade Operária, n° 3
2795-491 CARNAXIDE, OEIRAS
Portugal

Comatelec S.A.
Z.I.
18400 SAINT FLORENT S/CHER
France

Tungram-Schröder Világítási Berendezések Zrt
Tópart 2
2084 PILISSZENTIVAN
Hungary



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-laan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348

.be

BELAC

BELAC

BELAC

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-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 EN ISO/IEC 17025:2017. 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,

Nicole MEURÉE-VANLAETHEM

Issue date : 2019-01-10

Validity date : 2021-05-27

Original version of this certificate is in French.

Dichiarazione
di Conformità alle Leggi relative al contenimento dell’Inquinamento Luminoso
e Veridicità delle misurazioni e dei dati fotometrici

La ditta **Schröder S.p.A.**, con sede operativa in Via Tunisia 3 a Collegno (TO), azienda certificata ISO 9001:2008 con certificato numero 9130.COS6, dichiara sotto la propria responsabilità che i prodotti modello

OMNISTAR a vetro piano

con tutti i tipi di ottiche (stradali, asimmetriche, proiettori), taglie LED 72-144 LED @350, 500, 700, 1000, 1200 mA, sono stati testati nel

Laboratorio fotometrico di	R-tech SA, Centro Ricerca e Sviluppo europeo del Gruppo Schröder
Accreditamento EN ISO 17025	Certificato Beltest n° 226-TEST (allegato)
Responsabile Tecnico	Ing. Laurent Maghe

secondo le indicazioni di seguito riportate:

Sistema di misura	Goniofotometro LMT tipo GO-DS 2000	Posizione apparecchio durante la misura	Orizzontale
Parametri di misura	Previsti dalla normativa	Incertezza di misura	Intensità ±3%
Sistema di riferimento	C-Gamma	Simmetria applicata	Nessuna
Tensione di	230V ±0,1%	Frequenza	50 Hz ±0,1%
Temperatura Ambiente	25°C ±1°C	Centro fotometrico	Al centro del vetro
Distanza fotocellula	10m o 30m ¹	Incertezza del flusso	±3%
Norme di riferimento	EN 13032/UNI 11356		
Intensità luminosa massima per Gamma ≥ 90° (nella posizione di misura richiesta)		< 0,49 cd/klm	
Posizione di installazione per i soddisfacimento dei requisiti di Legge:			
L'apparecchio deve essere installato in posizione orizzontale e unicamente come indicato sul foglio istruzioni. Non è ammesso l'uso di schermi che ne inficino il controllo luminoso.			

¹ In base alle dimensioni dell'apparecchio.

Sono quindi conformi alle seguenti Leggi Regionali relative al contenimento dell'inquinamento luminoso e l.mm.ii.:

- **Abruzzo LR 12/05**
- **Alto Adige LP 4/11**
- **Basilicata LR 41/00**
- **Campania LR 13/02**
- **Emilia Romagna LR 19/03**
- **Friuli Venezia Giulia LR 15/07**
- **Lazio LR 23/00**
- **Liguria LR 22/07**
- **Lombardia LR 17/00 e LR 31/15**
- **Marche LR 10/02**
- **Molise LR 2/10**
- **Piemonte LR 31/00 e LR 3/18**
- **Puglia LR 15/05**
- **Sardegna DGR 48/31**
- **Toscana LR 37/00 e LR 39/05**
- **Trentino LP 16/07**
- **Umbria LR 20/05**
- **Valle d'Aosta LR 17/98**
- **Veneto LR 17/09**

Inoltre Laurent Maghe, nel suo ruolo di Responsabile Tecnico del Laboratorio Fotometrico sopra indicato,

dichiara

che i dati fotometrici dei prodotti sopra elencati sono stati rilevati all'interno del laboratorio medesimo, senza manomissioni o alterazioni e sono gestiti in regime controllato di qualità (certificato ISO 9001:2008 n° BE05/051059) e in accordo con le norme di settore. Sono inoltre distribuiti in formato elettronico Eulumdat e disponibili su richiesta e/o sul sito <http://www.schreder.com>.

SCHREDER S.p.A.
Via Tunisia, 3
10093 COLLEGNO (TO)

R-Tech SA
Rue de Mons 3
84000 Liège Belgium



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-007.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminares

Dati elettrici

Electrical data

STYLAGE

**16 ÷ 48 LED – 350 ÷ 700 mA – 19 ÷ 75 W
230V – 50 Hz – Cl. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

CEI EN 62493

Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettro magnetici

I prodotti rispondono ai requisiti delle direttive CEE 2006/95; CEE 2004/108; CEE 2003/108; CEE 2002/96; CEE 2002/95; CEE 2009/125; UE 2014/35

Products are in according to the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 17/05/16

Schröder Spa

Schröder S.p.A. -Sede Operativa

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+39 011 98 49 132 Direzione Generale - Vedite

+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017

SCHRÉDER SOCELEC S.A. declares on its own liability that the luminary:

STYLAGE

- **Nº LED:** Max. 48
- **CLASS:** I y II
- **CHARACTERISTIC:** Max. 700 mA. (32 LEDS) / Max. 500 mA. (48 LEDS)
- **Ta :** 35°C
- **IP :** 66
- **Others:** Without intentionally emitting signal.

Provided that it is installed, maintained and used in accordance with relevant installation standards and manufacturer's instructions. Is in conformity with the following directives or standards:

EN-60598-1

- EN-60598-1
- EN-60598-2-3
- RoHS Directive 2011/65/EU (RoHS 2)
- EN 62031.
- Directive 2014/30/EU.
- Directive 2014/35/EU.
- Directive 2009/125/EC.
- Directive 2012/19/EU
- Directive 2003/108/EC.
- EN 61547
- EN 61347
- EN 55015.
- EN 61000-3-2 & 3-3
- EN 62471
- EN 62493
- R. D. 1890/2008, 14th of November.
- R.D. 154/1.995, 3rd of February.
- R.D. 842/2002, 2th of August.

Marchamalo (Guadalajara), 12th of January of 2017.



Oscar de Pedro Gómez
Quality Manager



DICHIARAZIONE UE DI CONFORMITA' CONFORMITY UE DECLARATION

N. UEL-007.16

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminares

Dati elettrici

Electrical data

STYLAGE

**16 ÷ 48 LED – 350 ÷ 700 mA – 19 ÷ 75 W
230V – 50 Hz – Cl. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

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Products are in according to the requirements of the directives EEC 2006/95; EEC 2004/108; EEC 2003/108; EEC 2002/95; EEC 2009/125; EEC 02/96; EU 2014/35

Caselette, 17/05/16

Schröder Spa

Schröder S.p.A. -Sede Operativa

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+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017

AENOR

ENEC Certification Body registered under ID # 01. For further information, please consult www.enec.com

LICENCE

to use the European Mark



Licence Nr. ENEC/000987

Under the conditions given in the following pages of this document, the licence to use the ENEC Mark in conjunction with the suffix 01, as shown above, has been issued to:

SCHRÉDER GROUP
RUE DE LUSAMBO, 67
B-1190 BRUXELLES (Bélgica *Belgium*)

For the product(s):

Luminaire for road and street lighting

Trade name(s):

SCHRÉDER

Complying with the following European Standards:

EN 60598-1:2015; EN 60598-2-3:2003;
EN 60598-2-3:2003/A1:2011; EN 62262:2002

Date: 2018-02-08

Signature:

A handwritten signature in blue ink, appearing to read 'Rafael García', with a long horizontal stroke extending to the right.

Name: Rafael García

Position: General Manager

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

AENOR INTERNACIONAL, S.A.U.
Cl Génova, 6
28004 MADRID (Spain)

AENOR

CERTIFICADO ENEC DE PRODUCTO



Tipo de producto / Type of Product	LUMINARIA PARA ALUMBRADO PÚBLICO
r1) N° Certificado / Certificate n°	ENEC/000987
r2) Fecha Certificado / Date of the Certificate	2018-02-08
r3) N° de Informe de ensayo / Test report n°	201410110245-I-M1, 201410110245-II-M1
r4) Nombre y dirección del licenciario Name and address of the licensee	SCHRÉDER GROUP RUE DE LUSAMBO, 67 B-1190 BRUXELLES (Bélgica)
r5) Dirección de la factoría Address of the factory	AV ROANNE 66 - PI EL HENARES 19130 MARCHAMALO (Guadalajara - España)
r6) Referencia de la Norma Española Spanish Standard	UNE-EN 60598-1:2015; UNE-EN 60598-2-3:2003; UNE-EN 60598-2-3:2003/A1:2011; UNE-EN:62262:2002
r7) Referencia de la Norma Europea European Standard	EN 60598-1:2015; EN 60598-2-3:2003; EN 60598-2-3:2003/A1:2011; EN:62262:2002
r8) Referencia / Type reference	Ver Anexo I <i>refer to Annex I</i>
r9) Marca comercial / Trade mark	SCHRÉDER
r10) Tensión y frecuencia asignadas Rated voltage and frequency	120-277 V-; 50/60 Hz
r11) N° de lámparas x potencia asignada N° of lamps x rated wattage	Ver Anexo I <i>refer to Annex I</i>
r12) Tipo de lámparas y portalámparas Type of lamps and lampholder	Ver Anexo I <i>refer to Annex I</i>
r13) Grado de protección /Degree of protection (IP)	IP 66 (optics and luminaire); IK 08
r14) Medios de conexión a la red Means for power supply connection	Ver Anexo I <i>refer to Annex I</i>
r15) Clasif. por material superficie apoyo Class. respect supporting material	Ver Anexo I <i>refer to Annex I</i>
r16) Protección contra choques eléctricos (clase) Protection against electric shock (class)	Ver Anexo I <i>refer to Annex I</i>
r17) Limitaciones / Limitations	Ver Anexo I <i>refer to Annex I</i>
r18) Características generales Technical data	STYLAGE Series. Neutral and warm white
Fecha de caducidad: 2021-12-01 Date of expiry	Este certificado anula y sustituye al 007/000987, de fecha 2014-11-07. This certificate supersedes certificate 007/000987, dated 2014-11-07.

Original Electrónico

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.es

AENOR

CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/000987 ANNEX I TO CERTIFICATE ENEC/000987

REFERENCIA <i>Type reference</i>	Nº DE LÁMPARAS X POTENCIA ASIGNADA <i>Nº of lamps x rated wattage</i>	TIPO DE LÁMPARAS Y PORTALÁMPARAS <i>Type of lamps and lampholder</i>	MEDIOS DE CONEXIÓN A LA RED <i>Means for power supply connection</i>	CLASIF. POR MATERIAL SUPERFICIE APOYO <i>Class. respect supporting material</i>	PROTECCIÓN CONTRA CHOQUES ELÉCTRICOS (CLASE) <i>Protection against electric shock (class)</i>	LIMITACIONES <i>Limitations</i>
STYLAGE 16 LED 350 mA Cl. I, II	16 LED; 19 W; 350 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 16 LED 500 mA Cl. I, II	16 LED; 26 W; 500 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 16 LED 700 mA Cl. I, II	16 LED; 38 W; 700 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 24 LED 350 mA Cl. I, II	24 LED; 28 W; 350 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 24 LED 500 mA Cl. I, II	24 LED; 39 W; 500 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 24 LED 700 mA Cl. I, II	24 LED; 55 W; 700 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 32 LED 350 mA Cl. I, II	32 LED; 36 W; 350 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 32 LED 500 mA Cl. I, II	32 LED; 51 W; 500 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 32 LED 700 mA Cl. I, II	32 LED; 71 W; 700 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C

Original Electrónico

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.es

Entidad de certificación de producto acreditada por ENAC con nº 01/C-PR275
Product certification body accredited by ENAC, number 01/C-PR275

AENOR

CERTIFICADO ENEC DE PRODUCTO



ANEXO I AL CERTIFICADO ENEC/000987 ANNEX I TO CERTIFICATE ENEC/000987

REFERENCIA <i>Type reference</i>	Nº DE LÁMPARAS X POTENCIA ASIGNADA <i>Nº of lamps x rated wattage</i>	TIPO DE LÁMPARAS Y PORTALÁMPARAS <i>Type of lamps and lampholder</i>	MEDIOS DE CONEXIÓN A LA RED <i>Means for power supply connection</i>	CLASIF. POR MATERIAL SUPERFICIE APOYO <i>Class. respect supporting material</i>	PROTECCIÓN CONTRA CHOQUES ELÉCTRICOS (CLASE) <i>Protection against electric shock (class)</i>	LIMITACIONES <i>Limitations</i>
STYLAGE 48 LED 350 mA Cl. I, II	48 LED; 53 W; 350 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C
STYLAGE 48 LED 500 mA Cl. I, II	48 LED; 75 W; 500 mA	LED (module); SMD	Terminals	Suitable for normally flammable surfaces	Class I, II	Vertical top-post or suspended mounting; min. clearance: 0,2 m; Ta max = 35 °C



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
Bellage 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

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E-mail: Belac@economie.fgov.be

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

.be

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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-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 EN ISO/IEC 17025:2017. 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,

Nicole MEURÉE-VANLAETHEM

Issue date : 2019-01-10

Validity date : 2021-05-27

Original version of this certificate is in French.

Dichiarazione
di Conformità alle Leggi relative al contenimento dell’Inquinamento Luminoso
e Veridicità delle misurazioni e dei dati fotometrici

La ditta **Schröder S.p.A.**, con sede operativa in Via Tunisia 3 a Collegno (TO), azienda certificata ISO 9001:2008 con certificato numero 9130.COS6, dichiara sotto la propria responsabilità che il prodotto modello

STYLAGE a vetro piano

con ottica stradale o simmetrica, con tutti i numeri di LED disponibili e a tutte le correnti di alimentazione, è stato testato nel

Laboratorio fotometrico di	R-tech SA, Centro Ricerca e Sviluppo europeo del Gruppo Schröder
Accreditamento EN ISO 17025	Certificato Beltest n° 226-TEST (allegato)
Responsabile Tecnico	Ing. Laurent Maghe

secondo le indicazioni di seguito riportate:

Sistema di misura	Goniofotometro LMT tipo GO-DS 2000	Posizione apparecchio durante la misura	Orizzontale
Parametri di misura	Previsti dalla normativa	Incertezza di misura	Intensità $\pm 3\%$
Sistema di riferimento	C-Gamma	Simmetria applicata	Nessuna
Tensione di	230V $\pm 0,1\%$	Frequenza	50 Hz $\pm 0,1\%$
Temperatura Ambiente	25°C $\pm 1^\circ\text{C}$	Centro fotometrico	Al centro del vetro
Distanza fotocellula	10m o 30m ¹	Incertezza del flusso	$\pm 3\%$
Norme di riferimento	EN 13032/UNI 11356		
Intensità luminosa massima per Gamma $\geq 90^\circ$ (nella posizione di misura richiesta)		< 0,49 cd/klm	
Posizione di installazione per i soddisfacimento dei requisiti di Legge:			
L'apparecchio deve essere installato in posizione orizzontale e unicamente come indicato sul foglio istruzioni. Non è ammesso l'uso di schermi che ne inficino il controllo luminoso.			

¹ In base alle dimensioni dell'apparecchio.

È quindi conforme alle seguenti Leggi Regionali relative al contenimento dell'inquinamento luminoso e l.mm.ii.:

- **Abruzzo LR 12/05**
- **Alto Adige LP 4/11**
- **Basilicata LR 41/00**
- **Campania LR 13/02**
- **Emilia Romagna LR 19/03**
- **Friuli Venezia Giulia LR 15/07**
- **Lazio LR 23/00**
- **Liguria LR 22/07**
- **Lombardia LR 17/00 e LR 31/15**
- **Marche LR 10/02**
- **Molise LR 2/10**
- **Piemonte LR 31/00 e LR 3/18**
- **Puglia LR 15/05**
- **Sardegna DGR 48/31**
- **Toscana LR 37/00 e LR 39/05**
- **Trentino LP 16/07**
- **Umbria LR 20/05**
- **Valle d'Aosta LR 17/98**
- **Veneto LR 17/09**

Inoltre Laurent Maghe, nel suo ruolo di Responsabile Tecnico del Laboratorio Fotometrico sopra indicato,

dichiara

che i dati fotometrici dei prodotti sopra elencati sono stati rilevati all'interno del laboratorio medesimo, senza manomissioni o alterazioni e sono gestiti in regime controllato di qualità (certificato ISO 9001:2008 n° BE05/051059) e in accordo con le norme di settore. Sono inoltre distribuiti in formato elettronico Eulumdat e disponibili su richiesta e/o sul sito <http://www.schreder.com>.

SCHREDER S.p.A.
Via Tunisia, 3
10093 COLLEGNO (TO)

R-Tech SA
Rue de Mons 3
84000 Liège Belgium



DICHIARAZIONE DI CONFORMITA' CONFORMITY DECLARATION

N. STL-56.15

Schröder S.p.A. - Via Solari 9, 20144 Milano

dichiara sotto la propria responsabilità che i prodotti:
declares on its own liability that the products:

Apparecchi di illuminazione

Luminaires

Dati elettrici

Electrical data

VALENTINO LED

**16 ÷ 48 LED – 350 ÷ 700mA - 19 ÷ 75 W -
230 V - 50 Hz - CL. I - II**

Ermeticità vano ottico/ausiliari elettrici

Tightness optical compartment/electrical compartment

IP66

ai quali questa dichiarazione si riferisce, sono prodotti in conformità alle seguenti norme.
which this declaration is referred are manufactured in conformity with the following standards

CEI EN 60598-1

Apparecchi di illuminazione – Prescrizioni generali e prove

CEI EN 60598-2-1

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi fissi

CEI EN 60598-2-3

Apparecchi di illuminazione – Prescrizioni particolari. Apparecchi stradali

Essi sono inoltre conformi alle norme:

Moreover they are in conformity to the following standards:

CEI EN 61000-3

Limiti per emissioni di corrente armonica

CEI EN 61000-4

Compatibilità elettromagnetica (EMC)

CEI EN 62031

Moduli LED per illuminazione generale - Specifiche di sicurezza

CEI EN 61547

Apparecchiature per illuminazione generale - Prescrizioni di immunità EMC

CEI EN 62471

Sicurezza fotobiologica delle lampade e dei sistemi di lampada

CEI EN 55015

Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi

I prodotti rispondono ai requisiti delle direttive CEE 06/95; CEE 04/108; CEE 03/108; CEE 02/96; CEE 02/95; CEE 09/125;

Products are in according to the requirements of the directives EEC 06/95; EEC 04/108; EEC 03/108; EEC 02/95; EEC 09/125; EEC 02/96.

Caselette, 28/07/15

Schröder Spa

Schröder S.p.A. -Sede Operativa

Via Val della Torre 131 | 10040 Caselette (To) | T +39 011 98 49 111 | F +39 011 99 49 977

+39 011 98 49 132 Direzione Generale - Vendite

+39 011 98 49 158 Amministrazione

+39 011 98 49 126 Acquisti - Tecnico

info@schreder.it | www.schreder.com

Sede Legale: Via Solari 9 | 20144 Milano | I.V. 1.000.000,00 € | P.I. 00495940017

LICENCE

No. 18932

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium



Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square and street lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : VALENTINO

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.


SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

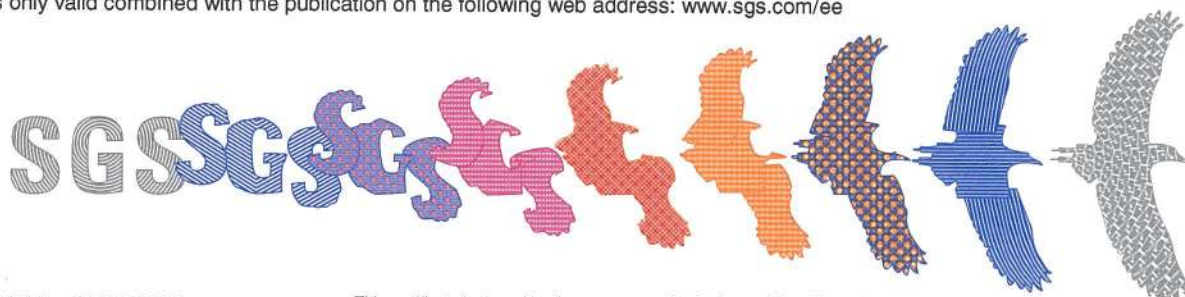
SGS CEBEC hereby grants the right to use the CEBEC certification mark

The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 24/06/2014


ir. C. Lana,
Certification Manager

© Only integral publication of this certificate, including the annex, is allowed
This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square and street lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	16 led's 700 mA, 24 led's 700 mA, 32 led's 700 mA, 48 led's 500 mA
type/model	:	VALENTINO
rated voltage (Un)	:	230-240 V
nature of supply	:	ac
rated frequency	:	50/60 Hz
class	:	class I
degree of protection	:	IP55/66

Product data - type 48 led's 500 mA

rated ambient temperature (ta)	:	50°C
rated power	:	max. 75 W

Product data - type 32 led's 700 mA

rated ambient temperature (ta)	:	55°C
rated power	:	max. 71 W

Product data - type 24 led's 700 mA

rated ambient temperature (ta)	:	55°C
rated power	:	max. 55 W

Product data - type 16 led's 700 mA

rated ambient temperature (ta)	:	55°C
rated power	:	max. 36 W

TESTS

Test requirements

EN 60598-1:2008 + A11:2009
 EN 60598-2-3:2003 + A1:2011

Test results

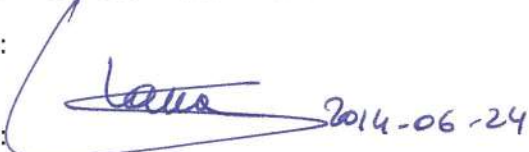
The test results are laid down in certification file 599917/01.

Remarks

This certificate is based on test reports Nos. S1403 (SMT) and S1403b (SMT).

Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 24/06/2014
Department Manager, :
Product Certification :
Certification Manager :  2014-06-24

FACTORY LOCATION(S)

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain

LICENCE

No. 18933

Issued to:
Applicant:
R-Tech
Rue de Mons, 3
4000 LIEGE
Belgium

Licensee:
Schreder S.A.
Rue de Lusambo, 67
1190 BRUXELLES
Belgium



Product : road, square and street lighting
Trade name(s) : SCHREDER
Type(s)/model(s) : VALENTINO

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

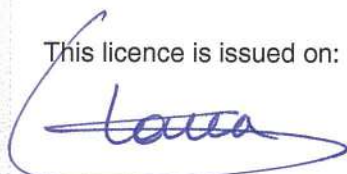
SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1173

SGS CEBEC hereby grants the right to use the CEBEC certification mark

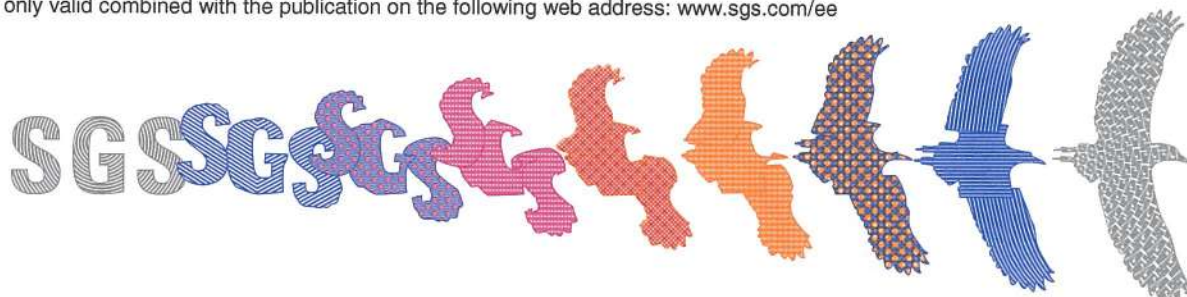
The ENEC/CEBEC certification mark may be applied to the product as specified in this licence for the duration of the ENEC/CEBEC certification agreement and under the conditions of the ENEC/CEBEC certification agreement.

This licence is issued on: 24/06/2014



ir. C. Lana,
Certification Manager

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This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	road, square and street lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	16 led's 700 mA, 24 led's 700 mA, 32 led's 700 mA, 48 led's 500 mA
type/model	:	VALENTINO
rated voltage (Un)	:	230-240 V
nature of supply	:	ac
rated frequency	:	50/60 Hz
class	:	class II
degree of protection	:	IP55/66

Product data - type 48 led's 500 mA

rated ambient temperature (ta)	:	50°C
rated power	:	max. 75 W

Product data - type 32 led's 700 mA

rated ambient temperature (ta)	:	55°C
rated power	:	max. 71 W

Product data - type 24 led's 700 mA

rated ambient temperature (ta)	:	55°C
rated power	:	max. 55 W

Product data - type 16 led's 700 mA

rated ambient temperature (ta)	:	55°C
rated power	:	max. 36 W

TESTS

Test requirements

EN 60598-1:2008 + A11:2009
 EN 60598-2-3:2003 + A1:2011

Test results

The test results are laid down in certification file 599917/03.

Remarks

This certificate is based on test reports Nos. S1404 (SMT) and S1404b (SMT).

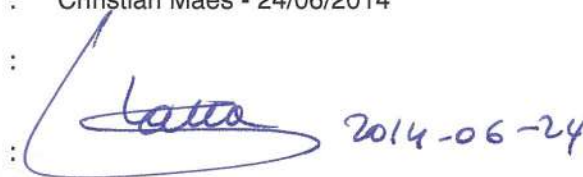
Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 24/06/2014

Department Manager,
Product Certification :

Certification Manager :



Latte 2014-06-24

FACTORY LOCATION(S)

Socelec S.A.
Av. de Roanne, 66
Poligono Industrial "EL HENARES"
19180 MARCHAMALO (GUADALAJARA)
Spain



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
Bellage 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-laan 16
1000 Brussel
Website: <http://economie.fgov.be>
Ondernemingsnummer: 0314.595.348

.be

BELAC

BELAC

BELAC

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-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 EN ISO/IEC 17025:2017. 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,

Nicole MEURÉE-VANLAETHEM

Issue date : 2019-01-10

Validity date : 2021-05-27

Original version of this certificate is in French.

Dichiarazione
di Conformità alle Leggi relative al contenimento dell’Inquinamento Luminoso
e Veridicità delle misurazioni e dei dati fotometrici

La ditta **Schröder S.p.A.**, con sede operativa in Via Tunisia 3 a Collegno (TO), azienda certificata ISO 9001:2008 con certificato numero 9130.COS6, dichiara sotto la propria responsabilità che i prodotti modello

VALENTINO LED a vetro piano

con tutti i tipi di ottiche, simmetriche e asimmetriche, con 16-24-32-48 LED @350, 500 e 700mA,

sono stati testati nel

Laboratorio fotometrico di	R-tech SA, Centro Ricerca e Sviluppo europeo del Gruppo Schröder
Accreditamento EN ISO 17025	Certificato Beltest n° 226-TEST (allegato)
Responsabile Tecnico	Ing. Laurent Maghe

secondo le indicazioni di seguito riportate:

Sistema di misura	Goniofotometro LMT tipo GO-DS 2000	Posizione apparecchio durante la misura	Orizzontale
Parametri di misura	Previsti dalla normativa	Incertezza di misura	Intensità ±3%
Sistema di riferimento	C-Gamma	Simmetria applicata	Nessuna
Tensione di	230V ±0,1%	Frequenza	50 Hz ±0,1%
Temperatura Ambiente	25°C ±1°C	Centro fotometrico	Al centro del vetro
Distanza fotocellula	10m o 30m ¹	Incertezza del flusso	±3%
Norme di riferimento	EN 13032/UNI 11356		
Intensità luminosa massima per Gamma ≥ 90° (nella posizione di misura richiesta)	< 0,49 cd/klm		
Posizione di installazione per i soddisfacimento dei requisiti di Legge:			
L'apparecchio deve essere installato in posizione orizzontale e unicamente come indicato sul foglio istruzioni. Non è ammesso l'uso di schermi che ne inficino il controllo luminoso.			

Sono quindi conformi alle seguenti Leggi Regionali relative al contenimento dell'inquinamento luminoso e l.mm.ii.:

→ **Abruzzo LR 12/05**

¹ In base alle dimensioni dell'apparecchio.

→ **Alto Adige LP 4/11**

- **Basilicata LR 41/00**
- **Campania LR 13/02**
- **Emilia Romagna LR 19/03**
- **Friuli Venezia Giulia LR 15/07**
- **Lazio LR 23/00**
- **Liguria LR 22/07**
- **Lombardia LR 17/00 e LR 31/15**
- **Marche LR 10/02**
- **Molise LR 2/10**
- **Piemonte LR 31/00 e LR 3/18**
- **Puglia LR 15/05**
- **Sardegna DGR 48/31**
- **Toscana LR 37/00 e LR 39/05**
- **Trentino LP 16/07**
- **Umbria LR 20/05**
- **Valle d'Aosta LR 17/98**
- **Veneto LR 17/09**

Inoltre Laurent Maghe, nel suo ruolo di Responsabile Tecnico del Laboratorio Fotometrico sopra indicato,

dichiara

che i dati fotometrici dei prodotti sopra elencati sono stati rilevati all'interno del laboratorio medesimo, senza manomissioni o alterazioni e sono gestiti in regime controllato di qualità (certificato ISO 9001:2008 n° BE05/051059) e in accordo con le norme di settore. Sono inoltre distribuiti in formato elettronico Eulumdat e disponibili su richiesta e/o sul sito <http://www.schreder.com>.

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