

DECLARAȚIE DE CONFORMITATE



SCHRÉDER ROMANIA S.R.L., cu sediul în Cluj - Napoca, str. Corneliu Coposu, nr. 167A, Jud. Cluj, România, înregistrată la Registrul Comerțului cu nr. J12/1759/1998, membră a SCHRÉDER GROUP, în calitate de furnizori de aparate de iluminat marca SCHRÉDER

Declarăm pe propria răspundere că aparatul de iluminat: **VOLTANA 0**

Versiune: max. 8 LED-uri
Clasă electrică: I sau II
Balast: electronic
Tensiune nominală: 230V / 50Hz
Caracteristici: Max. 1000mA
Etanșeitate compartiment optic: IP 66
Etanșeitate compartiment aparataj: IP 66

Cu condiția ca acesta să fie instalat, întreținut și utilizat în conformitate cu standardele de instalare și instrucțiunile producătorului. Este în conformitate cu următoarele directive sau standarde:

- EN 60598-1 (2015)
- EN 60598-2-1 (1979)
- EN 60598-2-3 (2003 + A1 2011)
- EN 61547 (2009)
- EN 61347 (2015)
- EN 55015 (2013)
- EN 61000-3-2 (2014) & 3-3 (2013)
- EN 62471 (2008)
- EN 62493 (2010)
- Directiva 2014/30/EU
- Directiva 2014/35/EU
- Directiva 2009/125/EC
- Directiva 2012/19/EU
- Directiva 2003/108/EC
- Directiva RoHS 2011/65/EU (RoHS 2)
- R.D. 1890/2008, 14 Noiembrie
- R.D. 154/1.995, 3 Februarie
- R.D. 842/2002, 2 August

SCHRÉDER ROMANIA S.R.L.
Director General,

Alexandru SIRCA

Eliberat,
Martie 2019, Cluj-Napoca

DECLARAȚIE DE CONFORMITATE



SCHRÉDER ROMANIA S.R.L., cu sediul în Cluj - Napoca, str. Corneliu Coposu, nr. 167A, Jud. Cluj, România, înregistrată la Registrul Comerțului cu nr. J12/1759/1998, membră a SCHRÉDER GROUP, în calitate de furnizori de aparate de iluminat marca SCHRÉDER

Declarăm pe propria răspundere că aparatul de iluminat: **VOLTANA 2**

Versiune: 16 LED-uri
Clasă electrică: I sau II
Balast: electronic
Tensiune nominală: 230V / 50Hz
Caracteristici: Max. 1000mA
Etanșeitate compartiment optic: IP 66
Etanșeitate compartiment aparataj: IP 66

Cu condiția ca acesta să fie instalat, întreținut și utilizat în conformitate cu standardele de instalare și instrucțiunile producătorului. Este în conformitate cu următoarele directive sau standarde:

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- EN 62471 (2008)
- EN 62493 (2010)
- Directiva 2014/30/EU
- Directiva 2014/35/EU
- Directiva 2009/125/EC
- Directiva 2012/19/EU
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SCHRÉDER ROMANIA S.R.L.
Director General,

Alexandru SIRCA

Eliberat,
Martie 2019, Cluj-Napoca

Laboratory Service PHYSICAL TEST REPORT



R-Tech
Rue de Mons 3 – B-4000 Liège – Belgium
Tel.: +32 4 224 71 40 – Fax: +32 4 224 25 90
Member of Schröder Group

Subject: VOLTANA-0 8 led's / Xitanium 40W FP driver

Sample n°: P-E16372, P-E16377

Test purpose: Electrical measurements @1.05A

Remarks:

Test request n°: P-D16547

Folder n°: P-F16041

TEST CONDITIONS:

Operator: CLOSSET Frédéric

Load: 8 Led's
Typical Vf: 3.17 V

Driver: Xi FP 40W 0.3 1.0A SNLDAE 230V S175 sXt set on 1.05A

Power supply: Elgar ET3500 230V 50Hz

Measurement device: Fluke Norma 4000 HF power meter

CONCLUSIONS:



PF: 0.98

Efficiency: 85.5 %

THD: 7.8 %

Harmonics according to IEC 61000-3-2, Class C, > 25W

Duplicate to: Mr M. Thijs
LAB 28/09/2016
L. Maghe

//P-16CR547

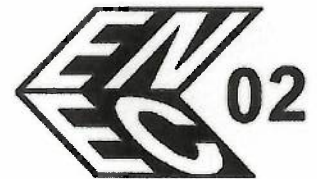
A handwritten signature in blue ink, appearing to read "Maghe".

LICENCE

No. 20254 replaces No.20142

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) : VOLTANA0 6 LED xx, VOLTANA0 8 LED xx

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

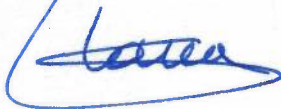
SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- 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: 15/03/2017



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) | : | VOLTANA0 6 LED xx, VOLTANA0 8 LED xx |
| description | : | Street lighting |
| rated voltage (Un) | : | 200-240 V |
| rated frequency | : | 50-60 Hz |
| class | : | class I |
| degree of protection | : | IP66 |
| additional information | : | IK08 |
| rated output current (In out) | : | max. 1050 mA |

Additional information

xx = Color Temperature can be :
 NW neutral white
 CW cool white
 WW warm white

Product data - type VOLTANA0 6 LED xx

| | | |
|-------------------|---|--------------|
| rated power | : | 8-10-15-23 W |
| lamp(s) | : | 6 LED |
| temperature class | : | Ta max.50°C |

Product data - type VOLTANA0 8 LED xx

| | | |
|-------------------|---|---------------|
| rated power | : | 11-14-20-31 W |
| lamp(s) | : | 8 LED |
| temperature class | : | Ta max. 40°C |

TESTS

Test requirements

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

Test results

The test results are laid down in test report(s) ref. P-1560-la

Remarks

This certificate is based on test reports Nos. P1560-la

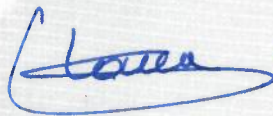
Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 15/03/2017

Department Manager,
Product Certification :

Certification Manager :

 2017-03-15

FACTORY LOCATION(S)

Schröder do Brasil Iluminação Ltda.
Rua Iracema Lucas, 415
Distrito Industrial Vinhedo
13280-000 SAO PAULO
Brazil

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPII
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. 20504 replaces No.20459

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) : VOLTANA 1, VOLTANA 2, VOLTANA 3, VOLTANA 4,
VOLTANA 5

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: 13/10/2017

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) : VOLTANA 1, VOLTANA 2, VOLTANA 3, VOLTANA 4, VOLTANA 5
 description : Street lighting
 rated voltage (Un) : 120-240 V
 rated frequency : 50-60 Hz
 rated secondary current (In SEC) : 350, 500, 700, 1000 mA (LED)
 class : class II
 degree of protection : IP66
 additional information : IK08

Product data - type VOLTANA 1

lamp(s) : 8 LED's
 rated ambient temperature (ta) : max. 55°C

Product data - type VOLTANA 2

lamp(s) : 16 LED's
 rated ambient temperature (ta) : max. 55°C

Product data - type VOLTANA 3

lamp(s) : 24 LED's
 rated ambient temperature (ta) : max. 55°C

Product data - type VOLTANA 4

lamp(s) : 32 LED's
 rated ambient temperature (ta) : max. 55°C

Product data - type VOLTANA 5

lamp(s) : 64 LED's
 rated ambient temperature (ta) : max. 55°C

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 618719/13.

Remarks

This certificate is based on test report No. P1540-44-IIb.

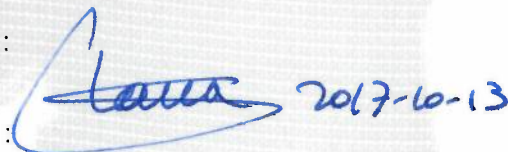
Conclusion

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 13/10/2017

Department Manager,
Product Certification :

Certification Manager :

A handwritten signature in blue ink is written over the 'Department Manager' and 'Certification Manager' lines. The signature is cursive and appears to be 'C. Maes'. To the right of the signature, the date '2017-10-13' is written in blue ink.

FACTORY LOCATION(S)

Schröder do Brasil Iluminação Ltda.
Rua Iracema Lucas, 415
Distrito Industrial Vinhedo
13280-000 SAO PAULO
Brazil

Schreder TOV
Vul. Mykulynetska 46B
46000 TERNOPII
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
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Rua da Fraternidade Operária, n° 3
2795-491 CARNAXIDE, OEIRAS
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18400 SAINT FLORENT S/CHER
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Tungfram-Schröder Világítási Berendezések Zrt
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+ Licence No.: 20281

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:

Road and street lighting

Trade name(s):

SCHREDER

Type(s)/Model(s):

VOLTANA 1, VOLTANA 2, VOLTANA 3, VOLTANA 4, VOLTANA 5 ranges

Complying with the following European Standards for safety and the EPRS for performance:

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

PD EPRS 003:2014-12 (application of IEC 62722-2-1:2014)

Based on test reports n° : P1540-3535-012017, P1541-3535-012017, P1542-3535-012017, P1543-3535-012017, P1544-3535-012017.

This licence is conditional to the validity of the ENEC Licence No.: ENEC 02 N° 20113 and 20114

Date: 2017-04-13

Signature:

Name: Calogero LANA

Position: Certification Manager



Laboratory Service PHYSICAL TEST REPORT



R-Tech
Rue de Mons 3 – B-4000 Liège – Belgium
Tel.: +32 4 224 71 40 – Fax: +32 4 224 25 90
Member of Schröder Group

Subject: VOLTANA-2 16 led's @ 1A class I

Sample n°:

Test purpose: EMC tests according to EN 55015 & EN 61547 Standards

Remarks:

Test request n°: P-D14700

Folder n°: P-F14058

TEST CONDITIONS:

Operator: ULg - EMC

Test Summary

EN 55015 & EN 61547 Standards

Emission

| Standard | Limit / Level | Result | |
|---|---------------|--------|------|
| | | PASS | FAIL |
| EN 55015 Conducted Emission 9kHz- 30 MHz | | X | |
| EN 55015 Annex B 30 MHz – 300 MHz | | X | |

Immunity

| Standard | Limit / Level | Result | |
|--------------|--|--------|------|
| | | PASS | FAIL |
| EN 61000-4-5 | 0.5 , 1 , 2 & 4 kV M.D. Impulse + @ 90° Impulse - @ 270° 20' between impulse Criteria B required | X | |

Driver: LG Innotek PISE-A 055A – 55W 1A (Rev-04)

EMC Auxiliaries: Ferrite W-E 742 700 55

CONCLUSIONS:

VOLTANA-2 16 led's driven @ 1A by LG Innotek 55 W driver complies with the CISPR/EN 55015 and EN 61547 Standards.

Remark: Surge protection tested OK up to 4 KV for both Differential & Common modes (Max ULg facilities).

Duplicate to: Mr M. Thijs
LAB 23/09/2014
J.P. Harchies

//P-14E700