

# LICENCE

**No. 21428/1 replaces No.21428**

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



Licensee:  
**Schröder SA**  
**Rue de Lusambo, 67**  
**1190 BRUXELLES**  
**Belgium**



Product : road, square, street, flood lighting  
 Trade name(s) : SCHREDER  
 Type(s)/model(s) : SHUFFLE 180, SHUFFLE 360

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

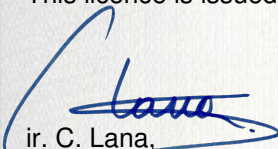
SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

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

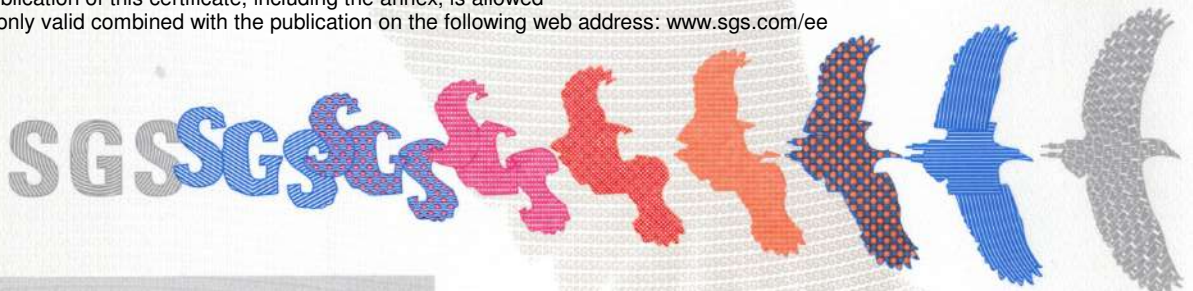
SGS CEBEC hereby grants the right to use the CEBEC certification mark

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: 17/12/2021

  
 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](http://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)	:	SHUFFLE 180, SHUFFLE 360
description	:	Street lighting luminaire
rated voltage (Un)	:	220-240 V
nature of supply	:	ac
rated frequency	:	50-60 Hz
class	:	class I
degree of protection	:	IP66

### Additional information

#### Product data - type SHUFFLE 180

rated power	:	max. 57 W
rated ambient temperature (ta)	:	45 °C
resistance to impact (IK)	:	IK08 (PC)
lamp(s)	:	16-20-24 Leds (XP-G2, XP-G3, XP-L, XP-L2, LH 351C)
rated current (In)	:	max 700 mA

#### Product data - type SHUFFLE 360

rated power	:	max. 72 W
rated ambient temperature (ta)	:	50 °C
resistance to impact (IK)	:	IK10 (PC), IK05 (PMMA)
lamp(s)	:	16-20-24 Leds (XP-G2, XP-G3, XP-L, XP-L2, LH351C)
rated current (In)	:	max. 900 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 630586/04.

**Remarks**

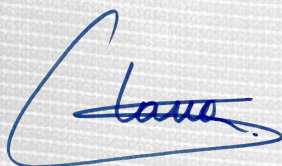
This certificate is based on test report No. P2561-la.

**Conclusion**

The examination proved that all certification requirements were met.

Reviewed by, project leader : Christian Maes - 17/12/2021

Certification Manager :



2021-12-17

## 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

Schröder Hungary Plc.  
Tópart 2  
2084 PILISSZENTIVAN  
Hungary