

# LICENCE

No. 17909

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

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



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

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

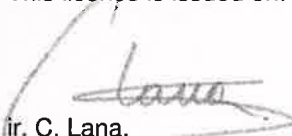
SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- 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: 28/06/2012

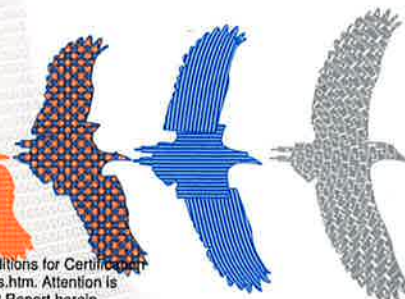
  
ir. C. Lana,  
Certification Manager

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**SGS Belgium NV-Division SGS CEBEC**  
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This certificate is issued by the company under its General Conditions for Certification Services accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitations of liability defined therein and in the Test Report herein mentioned which findings are reflected in this Certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



## SPECIFICATION OF THE CERTIFIED PRODUCT

### Product data

Product	:	road, square and street lighting
Trade name(s)	:	SCHREDER
Type(s)/Model(s)	:	HAPILED
rated voltage (Un)	:	230 V
rated frequency	:	50 Hz
lamp(s)	:	max. 32 led's
rated current (In)	:	700 mA
rated power	:	75 W
degree of protection	:	IP 66
class	:	class I
rated ambient temperature (ta)	:	35 °C

## TESTS

### Test requirements

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

### Test results

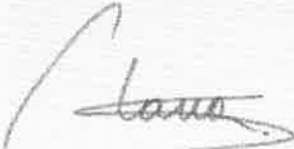
The test results are laid down in certification file 593618/01.

### Remarks

This certificate is based on test reports Nos. S1205 (SMT) and S1205b (SMT).

**Conclusion**

The examination proved that all test requirements were met.

Checked by, project leader : Christian Maes - 28/06/2012  
Department Manager, :  
Product Certification :  
Certification Manager :  2012-06-28

**List of components**

Component	Trade name	Type/model	Rating	Standard	Approval mark 1
Driver	Osram	OT 50/ 220240/ 700 LTE	350-700 mA, 54 W - Tc 85°C	EN 61347-2-13	ENEC - VDE
Driver	Osram	OT 50/ 220240/ 700 3DIM LTE	350-700 mA, 54 W - Tc 85°C	EN 61347-2-13	ENEC - VDE
Driver	TCI	DC Jolly HV	25 W, 220-240 V, Tc 75°C	EN 61347-2-13	ENEC
Driver	TCI	DC maxi Jolly HV	50 W, 220-240 V, Tc 75°C	EN 61347-2-13	KEMA
Driver	TCI	DC maxi Jolly	50 W, 220-240 V, Tc 80°C	EN 61347-2-13	KEMA
Driver	Philips	Xitanium 929000 702302	75 W, 120-277 V, Tc 80°C	EN 61347-2-13	ENEC
Filter	TCI	EMI Filter P/N 119899	3-240 V, Tc 75	EN 61000	IMQ - KEMA
Controller	Philips	Dynadimer LLC 7220/00	Tc 75°C, 220-240 V, 50-60 Hz	EN 60669-2-1	ENEC
Controller	Owlet	Luminaire controller	0-10 V output Ta max. 70°C	EN 60950-1	ENEC
Led's module	Cofidur	LLM 24 Rebel ES	NW - WW Tp : 80°C	IEC 62031	ENEC
Led's module	Cofidur	LLM 16 Rebel ES	NW - WW Tp : 80°C	IEC 62031	ENEC

Component	Trade name	Type/model	Rating	Standard	Approval mark 1
Varistor	Würth Elektronik	275 V, diameter 20 mm	High surge 4 kV, 125°C	IEC/EN 61000	VDE
Connector	3M	560 series	0.75 - 1.5 mm <sup>2</sup> , 105°C	UL 486C	UL
Connector	Wieland	ST18/3 - 18/4 - 18/5	4 mm <sup>2</sup> - 750 V	EN 60998-1	IMQ, VDE
Connector	Wieland	ST17/2	4 mm <sup>2</sup> - 750 V	EN 60998-1	IMQ, VDE
Connector	Adels	LK 980 series	1.5 mm <sup>2</sup> - 400 V	EN 60998-1	ENEC
Fuse block	Camden Boss	CFT BN	6.3 A, 250 V		VDE (40011 466), S, FI
1) indicates a component tested as part of the appliance					

#### FACTORY LOCATION(S)

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