

LICENCE

No. 17910

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.

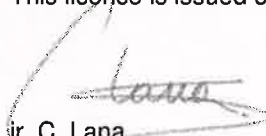
SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- 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


Mr. 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)	:	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 II
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 593168/02.

Remarks

This certificate is based on test reports Nos. S1206 (SMT) and S1206b (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 ² , 105°C	UL 486C	UL
Connector	Wieland	ST18/3 - 18/4 - 18/5	4 mm ² - 750 V	EN 60998-1	IMQ, VDE
Connector	Wieland	ST17/2	4 mm ² - 750 V	EN 60998-1	IMQ, VDE
Connector	Adels	LK 980 series	1.5 mm ² - 400 V	EN 60998-1	ENEC
Fuse block	Camden Boss	CFT BN	6.3 A, 250 V		VDE (400 11466), 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