

CERTIFICATE

Issued to:
Applicant:
Signify Netherlands B.V.
High Tech Campus 48
5656 AE Eindhoven, The Netherlands

Licensee:
Signify Netherlands B.V.
High Tech Campus 48
5656 AE Eindhoven, The Netherlands

Product : Electronic controlgear for LED modules
Trade name(s) : PHILIPS or Philips Lighting
Type(s)/model(s) : Xitanium 12W 0.08-0.5A 24V 230V, Xitanium 12W 0.08-0.5A 25V SR 230V,
Xitanium 20W R 0.15-0.5A 54V TD/I, Xitanium 23W 0.15-0.7A 38V 230V,
Xitanium 23W 0.15-0.7A 41V SR 230V and
Xitanium 40W R 0.3-1.05A 54V TD/I

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

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

- a type test according to EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 61347-1:2015/A1:2021 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2037471

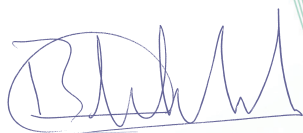
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 2 August 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-119962 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

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Primary Voltage	: 220-240 V; 186-250 V
Nature of supply	: alternate current; direct current
Rated frequency	: 50/60 Hz; 0 Hz
Primary current	: From 0,07 to 0,2 A for a.c.; from 0,08 to 0,22 A for d.c
Type of load	: LED modules, power LED
Secondary current	: From 0,5 to 1,05 A
Secondary power	: From 12 to 40 W
Classification	: Independent, built-in

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 350908000.

Additional information

DEKRA test report No. 3509080.220 and 3509080.221 are laid down in DEKRA test file 350908000; they contain test results.

DEKRA test report No. 3509080.220 contains critical component list.

For specific Model/Type electrical ratings refer to following page.

This certificate replaces certificate No. 81-119962 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

General product information:

The devices are intended to supply high power Light Emitting Diodes or LED modules by the following primary voltage: 220-240 V (operating range 198-264 V) 50/60 Hz; *186-250 V (operating range 167-275 V) 0 Hz. The stabilized output current can be set within an operative area by SimpleSet AOC (Adjustable Output Current) or LEDset, with an output power up to Pout and proportionate values of Iin and λ.

Type/s	ac/*dc PRI Current [A]	Max. system power [W]	Power Factor λ	Max. output Power (W)	Max. output current (A)	U _{OUT} d.c. (V)	ta (°C)	tc (°C)
Xitanium 12W 0.08-0.5A 24V 230V	0,07 *0,08	14,5	0,5- 0,9 C	12	0,5 [1]	60	-20...50	75
Xitanium 12W 0.08-0.5A 25V SR 230V			0,97					
Xitanium 23W 0.15-0.7A 38V 230V	0,12 *0,14	27	0,91 C	23	0,7 [2]	60	-20...50	80
Xitanium 23W 0.15-0.7A 41V SR 230V			0,97					
Xitanium 20W R 0.15-0.5A 54V TD/I	0,11 *0,13	23	0,91 C	20	0,5 [3]	60	-20...50	70
Xitanium 40W R 0.3-1.05A 54V TD/I	0,20 *0,22	45	0,94 C	40	1,05 [4]	60	-20...50	80

Notes: [1] AOC=0,08-0,5 A; [2] AOC=0,15-0,7 A; [3] AOC=0,15-0,5 A; [4] AOC=0,3-1,05 A.

Connections		Xitanium 12W 0.08-0.5A 24V 230V, Xitanium 12W 0.08-0.5A 25V SR 230V, Xitanium 23W 0.15-0.7A 38V 230V, Xitanium 23W 0.15-0.7A 41V SR 230V	Xitanium 12W 0.08-0.5A 25V SR 230V, Xitanium 23W 0.15-0.7A 41V SR 230V	Xitanium 20W R 0.15-0.5A 54V TD/I, Xitanium 40W R 0.3-1.05A 54V TD/I
Supply	L, N	Screw-less terminals 0,5-1,5 mm ² (0,75 -1,5 mm ² for independent models)		Screw-less terminals 0,75-2,5 mm ²
looping through earth E	E	N/A		Screw-less terminals 0,75-2,5 mm ²
DALI control	DA/N, DA/Ls	N/A		Screw-less terminals 0,5-1,5 mm ²
Output current setting	LEDset, GNDset	Wireless setting by internal antenna		Screw-less terminals 0,5-1,5 mm ²
Load	LED+, LED-	Screw-less terminals 0,5-1,5 mm ²	Screw-less terminals 0,4-1,5 mm ²	Screw-less terminals 0,5-1,5 mm ²
SR port	DA+, DA-	N/A	Screw-less terminals 0,4-1,5 mm ²	N/A