

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 20W R 0.15-0.5A 54V TD/I,
Xitanium 23W 0.15-0.7A 38V 230V and Xitanium 40W R 0.3-1.05A 54V TD/I

The product and any acceptable variation thereto is 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 the standard EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 62384:2006 and EN 62384:2006/A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 947556

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 of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 5 May 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-113691

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



JMg Marggraf
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

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Type(s)/model(s)	: Xitanium 12W 0.08-0.5A 24V 230V, Xitanium 20W R 0.15-0.5A 54V TD/I, Xitanium 23W 0.15-0.7A 38V 230V and Xitanium 40W R 0.3-1.05A 54V TD/I
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
Working voltage U-OUT	: 60 V
Rated maximum temperature (tc)	: From 70 to 80 °C
Type of thermal protection	: 110
Classification	: Independent, built in
Power Factor	: From 0,9 to 0,94 C

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN 62384:2006
EN 62384:2006/A1:2009

Test result

The test results are laid down in DEKRA test file 350033600.

Additional information

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

DEKRA test report No. 2102919.50 and 2102919.60 are laid down in DEKRA test file 350033600; they contain test results and critical component list.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 854975.

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, 0 Hz (operating range 167-275 V). The stabilized output current can be set within an operative area by SimpleSet AOC (Adjustable Output Current) or LEDset. The output power can be up to Pout max with proportionate values of lin.

Type/s	ac/*dc PRI Current [A]	Max. system power [W]	Power Factor	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	0,9 C	12	0,5 [1]	60	-20...50	75
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 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.

Connection		Xitanium 12W 0.08-0.5A 24V 230V Xitanium 23W 0.15-0.7A 38V 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 terminal block 0,5-1,5 mm ² (0,75 -1,5 mm ² for independent models)	Screw-less terminal block 0,75-2,5 mm ²
looping through earth E	E	N/A	Screw-less terminal block 0,75-2,5 mm ²
DALI control	DA/N, DA/Ls	N/A	Screw-less terminal block 0,5-1,5 mm ²
Output current setting	LEDset, GNDset	N/A	Screw-less terminal block 0,5-1,5 mm ²
Load	LED+, LED-	Screw-less terminal block 0,5-1,5 mm ²	Screw-less terminal block 0,5-1,5 mm ²