

# 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 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(s) 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 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 19 July 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-119962

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



K Xu  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

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
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
Classification	: Independent, built in
Power factor	: From 0,9 C to 0,97

**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. 3500336.380 and 3500336.381 are laid down in DEKRA test file 350033600; they contain test results. DEKRA test report No. 3500336.380 contains 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 <sub>OUT</sub> d.c. (V)	ta (°C)	tc (°C)
Xitanium 12W 0.08-0.5A 24V 230V, Xitanium 12W 0.08-0.5A 25V SR 230V	0,07 *0,08	14,5	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, Xitanium 23W 0.15-0.7A 41V SR 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 terminal block 0,5-1,5 mm <sup>2</sup> (0,75 -1,5 mm <sup>2</sup> for independent models)		Screw-less terminal block 0,75-2,5 mm <sup>2</sup>
looping through earth E	E	N/A		Screw-less terminal block 0,75-2,5 mm <sup>2</sup>
DALI control	DA/N, DA/Ls	N/A		Screw-less terminal block 0,5-1,5 mm <sup>2</sup>
Output current setting	LEDset, GNDset	Wireless setting by internal antenna		Screw-less terminal block 0,5-1,5 mm <sup>2</sup>
Load	LED+, LED-	Screw-less terminal block 0,5-1,5 mm <sup>2</sup>		Screw-less terminal block 0,5-1,5 mm <sup>2</sup>
SR port	DA+, DA-	N/A	Screw-less terminal block 0,5-1,5 mm <sup>2</sup>	N/A