

# 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  
Type(s)/model(s) : Xitanium 20W/m 0.15-0.5A 54V I TD 230V,  
Xitanium 20W/m 0.15-0.5A 54V S TD 230V,  
Xitanium 36W/m 0.3-1.05A 54V I TD 230V and  
Xitanium 36W/m 0.3-1.05A 54V S TD 230V

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 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 1 November 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-125975

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



R Zhou  
Certification Manager

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

Product	: Electronic controlgear for LED modules
Trade name(s)	: PHILIPS
Type(s)/model(s)	: Xitanium 20W/m 0.15-0.5A 54V I TD 230V, Xitanium 20W/m 0.15-0.5A 54V S TD 230V, Xitanium 36W/m 0.3-1.05A 54V I TD 230V and Xitanium 36W/m 0.3-1.05A 54V S TD 230V
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 0,11 to 0,2 A for a.c.; from 0,13 to 0,23 A for d.c.
Secondary current	: From 0,5 to 1,05 A
Secondary power	: From 20 to 36 W
Classification	: Independent, built-in
Type of load	: LED modules, power LED

**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 350033600.

**Additional information**

DEKRA test report No. 3500336.730 and 3500336.731 are laid down in DEKRA test file 350033600; they contain test results.  
DEKRA test report No. 3500336.730 contains critical component list.

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

**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 controlgears for LED modules with stabilized output current (depending on the selection of the NFC setting). All models have SELV output. The input voltage is 220-240 V 50/60 Hz.

Type/s	Supply voltage (V)	Supply Current (A)	Power factor	Output power (W)	Output current (A) [1]	U <sub>OUT</sub> (V d.c.)	ta (°C)	tc (°C)	Use [2]
Xitanium 20W/m 0.15-0.5A 54V S TD 230V	220-240	0,11	0,9 C	20	0,15-0,5	60	-20..50	80	DI, 110
Xitanium 20W/m 0.15-0.5A 54V I TD 230V	186-250*	0,13*							II, 110, DNC
Xitanium 36W/m 0.3-1.05A 54V S TD 230V	220-240	0,2	0,9 C	36	0,3-1,05	60	-20..50	80	DI, 110
Xitanium 36W/m 0.3-1.05A 54V I TD 230V	186-250*	0,23*							II, 110

Notes: \*Supply at 0 Hz; [1] – Different values according to software setting of NFC models. [2] – 110=the products have an overheating protection (C.5.a automatic resetting type) and comply with temperature limit of EN 60598-1; II=class II; DI=Built-in with double insulation; DNC=Do not cover.

**Connections**

Input supply	N, L	screwless terminal block 0,5...1,5 mm <sup>2</sup> (0,75...1,5 mm <sup>2</sup> for independent models)
DALI control or Touch and Dim	DA/N, DA/Ls	screwless terminal block 0,5...1,5 mm <sup>2</sup> (0,75...1,5 mm <sup>2</sup> for independent models)
Output load	LED+, LED-	screwless terminal block 0,5...1,5 mm <sup>2</sup>

**Additional information**

Features	All models have the following features: for LED; stabilized output current; multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa; the material of enclosure was tested with favourable result for Glow-wire at temperature 750-850 °C; programmable CLO and AOC. Total circuit power: 23 W, 41 W.
DC operation	The products were tested in the nominal range 186-250 V (operative range 168-275 V) according to IEC/EN 61347-2-13. DC emergency level is settable.

INSULATION (B= basic, S= supplementary, R= double or reinforced)

N, L ↔ DA/N, DA/Ls	B
N, L, DA/N, DA/Ls ↔ LED+, LED-	R
Between active parts ↔ external touchable parts	R

The creepage distances, clearances and connections of control gears shall be according to IEC 60598-1 or national deviations of the country where installed in the final application.

Assessment to EN 60598-2-22:2014/A1:2020 used in conjunction with EN IEC 60598-1:2021 has been performed.

Assessment to EN 62493:2015 has been performed.