

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 : LED driver
Trade name(s) : PHILIPS
Type(s)/model(s) : Xitanium 10W/m 0.35A 30V SC 230V, Xitanium 16W/m 0.35A 46V SC 230V,
Xitanium 21W/m 0.7A 30V SC 230V, Xitanium 23W/m 0.5A 46V SC 230V,
Xitanium 28W/m 0.6A 46V SC 230V, Xitanium 30W/m 0.65A 46V SC 230V,
Xitanium 31W/m 0.75A 42V SC 230V, Xitanium 32W/m 0.7A 46V SC 230V,
Xitanium 34W/m 0.8A 42V SC 230V, Xitanium 36W/m 0.85A 42V SC 230V and
Xitanium 38W/m 0.9A 42V SC 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 EN 61347-1:2015, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 62384:2006, EN 62384:2006/A1:2009, EN 60598-1:2015 and EN 60598-1:2015/A1:2018
- 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 21 June 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-109035

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



A.C. Slingerland
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED driver
Trade name(s)	: PHILIPS
Type(s)/model(s)	: Xitanium 10W/m 0.35A 30V SC 230V, Xitanium 16W/m 0.35A 46V SC 230V, Xitanium 21W/m 0.7A 30V SC 230V, Xitanium 23W/m 0.5A 46V SC 230V, Xitanium 28W/m 0.6A 46V SC 230V, Xitanium 30W/m 0.65A 46V SC 230V, Xitanium 31W/m 0.75A 42V SC 230V, Xitanium 32W/m 0.7A 46V SC 230V, Xitanium 34W/m 0.8A 42V SC 230V, Xitanium 36W/m 0.85A 42V SC 230V and Xitanium 38W/m 0.9A 42V SC 230V
Rated input voltage	: 220-240V
Nature of supply	: ac
Rated frequency	: 50/60 Hz
Power factor	: 0,9C
Max. output voltage (U _{out})	: 60Vdc
Max. case temperature (t _c)	: 75°C
Description	: SELV; Built-in or independent (with SR cover)

Product data – type Xitanium 10W/m 0.35A 30V SC 230V

Rated input current	: 0,06A
Rated input power	: 12,5W
Output current	: 0,35A
Output power	: 10,5W
Ambient temperature (t _a)	: -20...+50°C

Product data – type Xitanium 16W/m 0.35A 46V SC 230V

Rated input current	: 0,09A
Rated input power	: 19,5W
Output current	: 0,35A
Output power	: 16W
Ambient temperature (t _a)	: -20...+50°C

Product data – type Xitanium 21W/m 0.7A 30V SC 230V

Rated input current	: 0,11A
Rated input power	: 25W
Output current	: 0,7A
Output power	: 21W
Ambient temperature (t _a)	: -20...+50°C

Product data – type Xitanium 23W/m 0.5A 46V SC 230V

Rated input current	: 0,12A
Rated input power	: 27W
Output current	: 0,5A
Output power	: 23W
Ambient temperature (t _a)	: -20...+50°C

Product data – type Xitanium 28W/m 0.6A 46V SC 230V

Rated input current	: 0,15A
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Rated input power : 33W
Output current : 0,6A
Output power : 28W
Ambient temperature (ta) : -20...+50°C

Product data – type Xitanium 30W/m 0.65A 46V SC 230V

Rated input current : 0,15A
Rated input power : 35W
Output current : 0,65A
Output power : 30W
Ambient temperature (ta) : -20...+50°C

Product data – type Xitanium 31W/m 0.75A 42V SC 230V

Rated input current : 0,16A
Rated input power : 36W
Output current : 0,75A
Output power : 31W
Ambient temperature (ta) : -20...+50°C

Product data – type Xitanium 32W/m 0.7A 46V SC 230V

Rated input current : 0,16A
Rated input power : 37W
Output current : 0,7A
Output power : 32W
Ambient temperature (ta) : -20...+50°C

Product data – type Xitanium 34W/m 0.8A 42V SC 230V

Rated input current : 0,18A
Rated input power : 39W
Output current : 0,8A
Output power : 34W
Ambient temperature (ta) : -20...+45°C

Product data – type Xitanium 36W/m 0.85A 42V SC 230V

Rated input current : 0,18A
Rated input power : 41W
Output current : 0,85A
Output power : 36W
Ambient temperature (ta) : -20...+45°C

Product data – type Xitanium 38W/m 0.9A 42V SC 230V

Rated input current : 0,2A
Rated input power : 43W
Output current : 0,9A
Output power : 38W
Ambient temperature (ta) : -20...+45°C

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-2-13:2014

EN 61347-2-13:2014/A1:2017
EN 62384:2006
EN 62384:2006/A1:2009
EN 60598-1:2015
EN 60598-1:2015/A1:2018

Test result

The test results are laid down in DEKRA test file 605234400.

Additional information

Constant current type and with terminal blocks

Short-circuit proof

The insulation between primary and secondary is considered as reinforced insulation.

For component list refers to annex 1 of test reports 6052344.50.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 15204.