

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 20W/m 0.15-0.5A 44V DS I 230V,
Xitanium 20W/m 0.15-0.5A 44V DS S 230V,
Xitanium 30W/m 0.35-0.7A 44V DS I 230V,
Xitanium 30W/m 0.35-0.7A 44V DS S 230V,
Xitanium 40W/m 0.7-1.05A 44V DS I 230V and
Xitanium 40W/m 0.7-1.05A 44V DS S 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 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 62384:2006, EN 62384:2006/A1:2009, EN IEC 62384:2020, EN 60598-1:2015 and EN 60598-1:2015/A1:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 947556

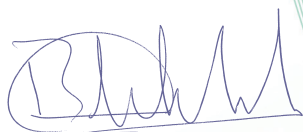
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 13 September 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-120606

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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

Product	: LED driver
Trade name(s)	: PHILIPS
Type(s)/model(s)	: Xitanium 20W/m 0.15-0.5A 44V DS I 230V, Xitanium 20W/m 0.15-0.5A 44V DS S 230V, Xitanium 30W/m 0.35-0.7A 44V DS I 230V, Xitanium 30W/m 0.35-0.7A 44V DS S 230V, Xitanium 40W/m 0.7-1.05A 44V DS I 230V and Xitanium 40W/m 0.7-1.05A 44V DS S 230V
Rated input voltage	: 220-240 Vac or 186-250 Vdc
Rated frequency	: 50/60 Hz at ac
Power factor (pf)	: 0,9C
Max. case temperature (tc)	: 80 °C
Temperature declared thermally protection	: 110 °C
Output voltage	: 60 Vdc max.
Description	: SELV; Independent or built-in

Product data – type Xitanium 20W/m 0.15-0.5A 44V DS I 230V

Rated input current	: 0,1 Aac or 0,12-0,07 Adc
Rated input power	: 22 W
Output power	: 20 W
Output voltage	: 60 Vdc max.
Output current	: 0,15-0,5 Adc
Ambient temperature range(ta)	: -20...+45 °C
Additional information	: SELV; Independent; class II

Product data – type Xitanium 20W/m 0.15-0.5A 44V DS S 230V

Rated input current	: 0,1 Aac or 0,12-0,07 Adc
Rated input power	: 22 W
Output power	: 20 W
Output voltage	: 60 Vdc max.
Output current	: 0,15-0,5 Adc
Ambient temperature range(ta)	: -20...+50 °C
Additional information	: SELV; built-in

Product data – type Xitanium 30W/m 0.35-0.7A 44V DS I 230V

Rated input current	: 0,16 Aac or 0,2-0,12 Adc
Rated input power	: 35 W
Output power	: 30 W
Output voltage	: 60 Vdc max.
Output current	: 0,35-0,7 Adc
Ambient temperature range(ta)	: -20...+45 °C
Additional information	: SELV; Independent; class II

Product data – type Xitanium 30W/m 0.35-0.7A 44V DS S 230V

Rated input current	: 0,16 Aac or 0,2-0,12 Adc
Rated input power	: 35 W
Output power	: 30 W
Output voltage	: 60 Vdc max.
Output current	: 0,35-0,7 Adc
Ambient temperature range(ta)	: -20...+50 °C

Additional information : SELV; built-in

Product data – type Xitanium 40W/m 0.7-1.05A 44V DS I 230V

Rated input current : 0,2 Aac or 0,26-0,16 Adc
Rated input power : 45 W
Output power : 40 W
Output voltage : 60 Vdc max.
Output current : 0,7-1,05 Adc
Ambient temperature range(ta) : -20...+45 °C
Additional information : SELV; Independent; class II

Product data – type Xitanium 40W/m 0.7-1.05A 44V DS S 230V

Rated input current : 0,2 Aac or 0,26-0,16 Adc
Rated input power : 45 W
Output power : 40 W
Output voltage : 60 Vdc max.
Output current : 0,7-1,05 Adc
Ambient temperature range(ta) : -20...+50 °C
Additional information : SELV; built-in

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 62384:2006
EN 62384:2006/A1:2009
EN IEC 62384:2020
EN 60598-1:2015
EN 60598-1:2015/A1:2018

Test result

The test results are laid down in DEKRA test file 611232400.

Additional information

constant current type with screwless terminal block

The insulation between primary and secondary is considered as reinforced insulation, and insulation between LV circuit and enclosure is also considered as reinforced insulation.

The list of components is laid down in test report 6112324.50.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 15204.