

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) : CertaDrive 20W 350mA 57V 230V, CertaDrive 21W 0.35A 60V 230V,
CertaDrive 30W 0.35A 85V 230V, CertaDrive 30W 350mA 85V 230V,
CertaDrive 40W 350mA 115V 230V, CertaDrive 44W 0.35A 126V 230V,
CertaDrive 60W 0.35A 170V 230V and CertaDrive 60W 350mA 170V 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 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 June 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-108777

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED driver
Trade name(s)	: PHILIPS
Type(s)/model(s)	: CertaDrive 20W 350mA 57V 230V, CertaDrive 21W 0.35A 60V 230V, CertaDrive 30W 0.35A 85V 230V, CertaDrive 30W 350mA 85V 230V, CertaDrive 40W 350mA 115V 230V, CertaDrive 44W 0.35A 126V 230V, CertaDrive 60W 0.35A 170V 230V and CertaDrive 60W 350mA 170V 230V
Rated input voltage	: 220-240Vac
Rated frequency	: 50/60 Hz
Power factor	: 0,9C
Output current	: 0,35A
Max. output voltage (U _{out})	: 300Vdc
Ambient temperature range (t _a)	: -20°C...+50°C
Description	: Built-in

Product data – type CertaDrive 20W 350mA 57V 230V

Rated input current	: 0,11A
Rated input power	: 23 W
Output voltage	: 30-57V
Output power	: 20W
Max.case temperature (t _c)	: 75°C

Product data – type CertaDrive 21W 0.35A 60V 230V

Rated input current	: 0,11A
Rated input power	: 24 W
Output voltage	: 30-60V
Output power	: 21W
Max.case temperature (t _c)	: 75°C
Description	: EL

Product data – type CertaDrive 30W 0.35A 85V 230V

Rated input current	: 0,15A
Rated input power	: 34 W
Output voltage	: 50-85V
Output power	: 30W
Max.case temperature (t _c)	: 75°C
Description	: EL

Product data – type CertaDrive 30W 350mA 85V 230V

Rated input current	: 0,15A
Rated input power	: 34 W
Output voltage	: 50-85V
Output power	: 30W
Max.case temperature (t _c)	: 75°C

Product data – type CertaDrive 40W 350mA 115V 230V

Rated input current	: 0,21A
Rated input power	: 45 W

Output voltage : 75-115V
Output power : 40W
Max.case temperature (tc) : 75°C

Product data – type CertaDrive 44W 0.35A 126V 230V

Rated input current : 0,22A
Rated input power : 48 W
Output voltage : 75-126V
Output power : 44W
Max.case temperature (tc) : 80°C
Description : EL

Product data – type CertaDrive 60W 0.35A 170V 230V

Rated input current : 0,31A
Rated input power : 67 W
Output voltage : 105-170V
Output power : 60W
Max.case temperature (tc) : 85°C
Description : EL

Product data – type CertaDrive 60W 350mA 170V 230V

Rated input current : 0,31A
Rated input power : 67 W
Output voltage : 105-170V
Output power : 60W
Max.case temperature (tc) : 80°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

Test result

The test results are laid down in DEKRA test file 605275000.

Additional information

Constant current type and with connectors

The list of components is laid down at test report 6052750.50.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 41289.