

CERTIFICATE

Issued to:
Applicant:
HEP Tech Co., Ltd.
No. 20, Jingke 7th Rd., Nantun Dist.,
40852 Taichung City, Taiwan

Licensee:
HEP GmbH
Ramsloh 10
58579 Schalksmühle, Germany

Product : Current controlled built-in LED Driver
Trade name(s) : HEP GROUP®
Type(s)/model(s) : G5S10W200LR, G5S10W250LR, G5S10W350LR, G5S10W450LR,
G5S10W500LR and G5S10W700LR

The product and any acceptable variation thereto as 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 EN 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 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 2013493

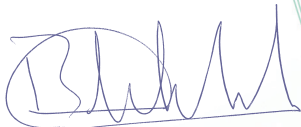
DEKRA hereby grants the right to use the ENEC certification mark.

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 27 November 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-133067

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Current controlled built-in LED Driver
Trade name(s)	: HEP GROUP®
Type(s)/model(s)	: G5S10W200LR, G5S10W250LR, G5S10W350LR, G5S10W450LR, G5S10W500LR and G5S10W700LR
Rated supply voltage	: 220-240 Vac
Supply frequency	: 50-60 Hz
Ambient temperature (ta)	: -20...+50°C
Classification of installation	: built-in
Degree of protection	: IP20

Product data – type G5S10W200LR

Supply current	: 56 mA
Power factor	: 0,78–0,92C
Rated output current	: 200 mA
Rated output power	: 5,8-8,4 W
Rated output voltage	: 29-42 Vdc
Uout	: 55 V
Max. case temperature (tc)	: 85 °C

Product data – type G5S10W250LR

Supply current	: 63 mA
Power factor	: 0,85–0,94C
Rated output current	: 250 mA
Rated output power	: 6,5-10 W
Rated output voltage	: 26-40 Vdc
Uout	: 53 V
Max. case temperature (tc)	: 85 °C

Product data – type G5S10W350LR

Supply current	: 66 mA
Power factor	: 0,85–0,94C
Rated output current	: 350 mA
Rated output power	: 6-10,1 W
Rated output voltage	: 17-29 Vdc
Uout	: 40 V
Max. case temperature (tc)	: 90 °C

Product data – type G5S10W450LR

Supply current	: 58 mA
Power factor	: 0,85–0,94C
Rated output current	: 450 mA
Rated output power	: 5,9-9 W
Rated output voltage	: 13-20 Vdc
Uout	: 29 V
Max. case temperature (tc)	: 90 °C

Product data – type G5S10W500LR

Supply current	: 63 mA
Power factor	: 0,85–0,94C
Rated output current	: 500 mA

Rated output power	: 6,5-10 W
Rated output voltage	: 13-20 Vdc
Uout	: 29 V
Max. case temperature (tc)	: 90 °C

Product data – type G5S10W700LR

Supply current	: 66 mA
Power factor	: 0,85–0,94C
Rated output current	: 700 mA
Rated output power	: 6,1-10,1 W
Rated output voltage	: 8,6-14,5 Vdc
Uout	: 26 V
Max. case temperature (tc)	: 85 °C

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 IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 343158500.

Additional information

The LED controlgear is a built-in SELV controlgear for LEDs with constant current. The insulation between primary and secondary is SELV and between primary and housing is considered as double or reinforced insulation. The controlgear has screw terminals. The max. enclosure temperature under abnormal or fault conditions is 110°C.

The list of components is laid down in test report 3431585.50.

Conclusion

The examination proved that all requirements were met.

Factory locations

HEP GmbH
Ramsloh 10
58579 Schalksmühle, Germany

Weisen Electronic Co. Ltd.
No. 3 Yangchun Rd., Jinwan Dist.
519040 Zhuhai City Guangdong, China