

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 independent LED Driver
Trade name(s) : HEP GROUP®
Type(s)/model(s) : LETC10W200LR-Z, LETC10W250LR-Z, LETC10W300LR-Z,
LETC10W350LR-Z, LETC10W450LR-Z, LETC10W500LR-Z,
LETC15W300LR-Z, LETC15W350LR-Z, LETC15W450LR-Z,
LETC15W500LR-Z, LETC20W350LR-Z, LETC20W500LR-Z,
LETC20W700LR-Z, LETC32W600LR-Z, LETC32W700LR-Z,
LETC32W800LR-Z, LETC42W1000LR-Z, LETC42W1050LR-Z,
LETC42W700LR-Z and LETC42W900LR-Z

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

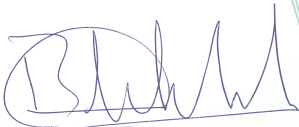
DEKRA hereby grants the right to use the ENEC certification mark.

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 4 December 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-133137

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.L. Schendstok
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Current controlled independent LED Driver
Trade name(s)	: HEP GROUP®
Type(s)/model(s)	: LETC10W200LR-Z, LETC10W250LR-Z, LETC10W300LR-Z, LETC10W350LR-Z, LETC10W450LR-Z, LETC10W500LR-Z, LETC15W300LR-Z, LETC15W350LR-Z, LETC15W450LR-Z, LETC15W500LR-Z, LETC20W350LR-Z, LETC20W500LR-Z, LETC20W700LR-Z, LETC32W600LR-Z, LETC32W700LR-Z, LETC32W800LR-Z, LETC42W1000LR-Z, LETC42W1050LR-Z, LETC42W700LR-Z and LETC42W900LR-Z
Rated supply voltage	: 220-240 Vac
Supply frequency	: 50-60 Hz
Protection class	: II
Ambient temperature (ta)	: -20...+45 °C
Degree of Protection	: IP20
Classification of installation	: independent

Product data – type LETC10W200LR-Z

Supply current	: 52 mA
Power factor	: 0,7–0,9C
Rated output current	: 200 mA
Rated output power	: 5-8,4 W
Output voltage range	: 25-42 Vdc
Uout	: 55 V
Max. case temperature (tc)	: 65 °C

Product data – type LETC10W250LR-Z

Supply current	: 62 mA
Power factor	: 0,9C–0,96
Rated output current	: 250 mA
Rated output power	: 6,3-10,5 W
Output voltage range	: 25-42 Vdc
Uout	: 55 V
Max. case temperature (tc)	: 65 °C

Product data – type LETC10W300LR-Z

Supply current	: 49 mA
Power factor	: 0,7–0,9C
Rated output current	: 300 mA
Rated output power	: 3,9-7,8 W
Output voltage range	: 13-26 Vdc
Uout	: 35 V
Max. case temperature (tc)	: 65 °C

Product data – type LETC10W350LR-Z

Supply current	: 57 mA
Power Factor	: 0,88C–0,97
Rated output current	: 350 mA
Rated output power	: 4,6-9,1 W
Output voltage range	: 13-26 Vdc
Uout	: 35 V
Max. case temperature (tc)	: 65 °C

Product data – type LETC10W450LR-Z

Supply current	: 57 mA
Power factor	: 0,8–0,9C
Rated output current	: 450 mA
Rated output power	: 5,4–9,4 W
Output voltage range	: 12–21 Vdc
Uout	: 28 V
Max. case temperature (tc)	: 65 °C

Product data – type LETC10W500LR-Z

Supply current	: 63 mA
Power factor	: 0,83–0,94C
Rated output current	: 500 mA
Rated output power	: 6–10,5 W
Output voltage range	: 12–21 Vdc
Uout	: 28 V
Max. case temperature (tc)	: 65 °C

Product data – type LETC15W300LR-Z

Supply current	: 72 mA
Power Factor	: 0,78–0,93C
Rated output current	: 300 mA
Rated output power	: 7,5–12,6 W
Output voltage range	: 25–42 Vdc
Uout	: 55 V
Max. case temperature (tc)	: 70 °C

Product data – type LETC15W350LR-Z

Supply current	: 85 mA
Power factor	: 0,88C–0,96
Rated output current	: 350 mA
Rated output power	: 8,8–14,7 W
Output voltage range	: 25–42 Vdc
Uout	: 55 V
Max. case temperature (tc)	: 70 °C

Product data – type LETC15W450LR-Z

Supply current	: 85 mA
Power factor	: 0,75–0,93C
Rated output current	: 450 mA
Rated output power	: 7,7–13,5 W
Output voltage range	: 17–30 Vdc
Uout	: 40 V
Max. case temperature (tc)	: 70 °C

Product data – type LETC15W500LR-Z

Supply current	: 95 mA
Power factor	: 0,86C–0,95
Rated output current	: 500 mA
Rated output power	: 8,5–15 W
Output voltage range	: 17–30 Vdc

Uout : 40 V
Max. case temperature (tc) : 70 °C

Product data – type LETC20W350LR-Z

Supply current : 108 mA
Power factor : 0,9C–0,96
Rated output current : 350 mA
Rated output power : 11,2-18,9 W
Output voltage range : 32-54 Vdc
Uout : 64 V
Max. case temperature (tc) : 80 °C

Product data – type LETC20W500LR-Z

Supply current : 120 mA
Power factor : 0,9C–0,96
Rated output current : 500 mA
Rated output power : 12,5-21 W
Output voltage range : 25-42 Vdc
Uout : 53 V
Max. case temperature (tc) : 80 °C

Product data – type LETC20W700LR-Z

Supply current : 107 mA
Power factor : 0,9C–0,96
Rated output current : 700 mA
Rated output power : 12,6-18,2 W
Output voltage range : 18-26 Vdc
Uout : 35 V
Max. case temperature (tc) : 80 °C

Product data – type LETC32W600LR-Z

Supply current : 150 mA
Power factor : 0,93C–0,97
Rated output current : 600 mA
Rated output power : 15-25,2 W
Output voltage range : 25-42 Vdc
Uout : 55 V
Max. case temperature (tc) : 75 °C

Product data – type LETC32W700LR-Z

Supply current : 170 mA
Power factor : 0,93C–0,97
Rated output current : 700 mA
Rated output power : 17,5-29,4 W
Output voltage range : 25-42 Vdc
Uout : 55 V
Max. case temperature (tc) : 75 °C

Product data – type LETC32W800LR-Z

Supply current : 180 mA
Power factor : 0,93C–0,97
Rated output current : 800 mA

Rated output power	: 20-32 W
Output voltage range	: 25-40 Vdc
Uout	: 55 V
Max. case temperature (tc)	: 75 °C

Product data – type LETC42W1000LR-Z

Supply current	: 220 mA
Power factor	: 0,95–0,98
Rated output current	: 1000 mA
Rated output power	: 25-40 W
Output voltage range	: 25-40 Vdc
Uout	: 53 V
Max. case temperature (tc)	: 80 °C

Product data – type LETC42W1050LR-Z

Supply current	: 230 mA
Power factor	: 0,95–0,98
Rated output current	: 1050 mA
Rated output power	: 26,3-42 W
Output voltage range	: 25-40 Vdc
Uout	: 53 V
Max. case temperature (tc)	: 80 °C

Product data – type LETC42W700LR-Z

Supply current	: 210 mA
Power factor	: 0,95–0,98
Rated output current	: 700 mA
Rated output power	: 22,4-37,8 W
Output voltage range	: 32-54 Vdc
Uout	: 60 V
Max. case temperature (tc)	: 80 °C

Product data – type LETC42W900LR-Z

Supply current	: 200 mA
Power factor	: 0,95–0,98
Rated output current	: 900 mA
Rated output power	: 22,5-36 W
Output voltage range	: 25-40 Vdc
Uout	: 53 V
Max. case temperature (tc)	: 80 °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 343158800.

Additional information

The LED controlgear is an independent SELV controlgear for LEDs with constant current. They are dimmable with a trailing edge dimmer. The insulation between primary and secondary is SELV and between primary and housing is considered as double insulation. The controlgear has screwless terminals. The max. enclosure temperature under abnormal or fault conditions is 110°C.

The list of components is laid down in test report 3431588.50.

Conclusion

The examination proved that all requirements were met.

Factory locations

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58579 Schalksmühle, Germany

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