

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 : Voltage controlled LED Driver
Trade name(s) : HEP GROUP®
Type(s)/model(s) : LADV100W24-Z, LADV100W24Z-T2CH, LADV150W24-Z,
LADV150W24Z-T2CH, LADV200W24-Z, LADV200W24Z-T2CH,
LADV60W24-Z and LADV60W24Z-T2CH

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

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

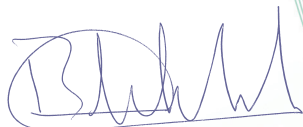
DEKRA hereby grants the right to use the ENEC certification mark.

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 8 May 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-138978

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



S. Lehner
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Voltage controlled LED Driver
Trade name(s)	: HEP GROUP®
Type(s)/model(s)	: LADV100W24-Z, LADV100W24Z-T2CH, LADV150W24-Z, LADV150W24Z-T2CH, LADV200W24-Z, LADV200W24Z-T2CH, LADV60W24-Z and LADV60W24Z-T2CH
Rated supply voltage	: 220-240 V
Supply frequency	: 50-60 Hz
Rated output voltage	: 24 Vdc
Uout	: 25 V
Max. case temperature (tc)	: 90 °C
Protection class	: Class II
Degree of protection	: IP20
Classification of installation	: independent

Product data – type LADV100W24-Z

Total circuit power	: 109,9 W
Power factor	: 0,5C–0,97
Supply current	: 500 mA max.
Rated output current	: 4,16 A max.
Rated output power	: 5-100 W
Ambient temperature (ta)	: -20...+50 °C

Product data – type LADV100W24Z-T2CH

Total circuit power	: 111,1 W
Power factor	: 0,55C–0,97
Supply current	: 500 mA max.
Rated output current	: 4,16 A max.
Rated output power	: 5-100 W
Ambient temperature (ta)	: -20...+50 °C

Product data – type LADV150W24-Z

Total circuit power	: 164,8 W
Power factor	: 0,55C–0,97
Supply current	: 720 mA max.
Rated output current	: 6,25 A max.
Rated output power	: 5-150 W
Ambient temperature (ta)	: -20...+50 °C

Product data – type LADV150W24Z-T2CH

Total circuit power	: 164,8 W
Power factor	: 0,3C–0,97
Supply current	: 720 mA max.
Rated output current	: 6,25 A max.
Rated output power	: 5-150 W
Ambient temperature (ta)	: -20...+50 °C

Product data – type LADV200W24-Z

Total circuit power	: 215,1 W
Power factor	: 0,4C–0,97

Supply current	: 970 mA max.
Rated output current	: 8,33 A max.
Rated output power	: 5-200 W
Ambient temperature (ta)	: -20...+45 °C

Product data – type LADV200W24Z-T2CH

Total circuit power	: 215,1 W
Power factor	: 0,45C–0,97
Supply current	: 970 mA max.
Rated output current	: 8,33 A max.
Rated output power	: 5-200 W
Ambient temperature (ta)	: -20...+45 °C

Product data – type LADV60W24-Z

Total circuit power	: 69,0 W
Power factor	: 0,7C–0,97
Supply current	: 310 mA max.
Rated output current	: 2,5 A max.
Rated output power	: 5-60 W
Ambient temperature (ta)	: -20...+45 °C

Product data – type LADV60W24Z-T2CH

Total circuit power	: 65,2 W
Power factor	: 0,7C–0,97
Supply current	: 310 mA max.
Rated output current	: 2,5 A max.
Rated output power	: 5-60 W
Ambient temperature (ta)	: -20...+45 °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 343281500.

Additional information

The LED controlgears are independent SELV controlgears for LEDs with constant voltage. The LED controlgears are dimmable via DALI interface. The types with ...-T2CH have a two-channel output for tunable white (DALI-2 DT8). The insulation between primary and secondary is reinforced/double insulation (SELV) and between primary and housing is considered as double insulation. The types have a basic insulation between DALI and primary circuit and are reinforced isolated between DALI circuit and secondary circuit. The controlgears have screwless terminals. The max. enclosure temperature under abnormal or fault conditions is 110°C.

The list of components is laid down in test report 3432815.50.

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