

# CERTIFICATE

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

Licensee:  
**HEP GmbH**  
Ramsloh 10  
58579 Schalksmühle, Germany

Product : Voltage controlled independent LED Driver  
Trade name(s) : HEP GROUP®  
Type(s)/model(s) : LADV100W24-Z, LADV150W24-Z, LAV100W24-Z and LAV150W24-Z

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 and EN 62384:2006/A1:2009
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2013493

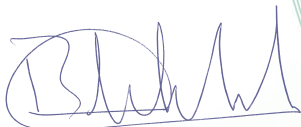
DEKRA hereby grants the right to use the ENEC certification mark.

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 23 June 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-119510

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 independent LED Driver
Trade name(s)	: HEP GROUP®
Type(s)/model(s)	: LADV100W24-Z, LADV150W24-Z, LAV100W24-Z and LAV150W24-Z
Rated supply voltage	: 220-240 V
Nature of supply	: ac
Supply frequency	: 50-60 Hz
Power factor	: 0,95
Uout	: 25 V max.
Ambient temperature range (ta)	: -20...+50°C
Max. case temperature (tc)	: 90 °C
Protection Class	: II
Degree of protection	: IP 20

**Product data – type LADV100W24-Z**

Rated supply current	: 500 mA max.
Rated output voltage	: 24 Vdc
Rated output power	: 5-100 W
Output current range	: 4,16 A max.

**Product data – type LADV150W24-Z**

Rated supply current	: 720 mA max.
Rated output voltage	: 24 Vdc
Rated output power	: 5-150 W
Output current range	: 6,25 A max.

**Product data – type LAV100W24-Z**

Rated supply current	: 500 mA max.
Rated output voltage	: 24 Vdc
Rated output power	: 0-100 W
Output current range	: 4,16 A max.

**Product data – type LAV150W24-Z**

Rated supply current	: 720 mA max.
Rated output voltage	: 24 Vdc
Rated output power	: 0-150 W
Output current range	: 6,25 A max.

**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

**Test result**

The test results are laid down in DEKRA test file 342149300.

**Additional information**

The LED controlgear is an independent SELV controlgear for LEDs with constant voltage. The LED controlgear LADV... are dimmable via DALI interface. The insulation between primary and secondary is reinforced/double insulation (SELV) and between primary and housing is considered as double insulation. The LADV... types have a basic insulation between DALI and primary circuit and are reinforced isolated between DALI circuit and secondary circuit. 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 3421493.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory locations**

HEP GmbH  
Ramsloh 10  
58579 Schalksmühle, Germany

Weisen Electronic Co. Ltd.  
Sanzao Ind. Park of Zhuhai Zhuhai City  
511450 Guangdong Province, China