

CERTIFICATE

Issued to:
Applicant:
HEP Tech Co. Ltd.
20 Jingke 7th Rd
Nantun Dist
408 Taichung, Taiwan

Licensee:
HEP GmbH
Ramsloh 10
58579 Schalksmühle, Germany

Product : Current controlled LED Driver
Trade name(s) : HEP GROUP
Type(s)/model(s) : LBCC30WxxxxLR, LBCC30WxxxxLR-Z, LBTC30WxxxxLR, LBTC30WxxxxLR-Z, LTCC30WxxxxLR, LTCC30WxxxxLR-Z, LTCC40WxxxxLR, LTCC40WxxxxLR-Z, LTTC30WxxxxLR, LTTC30WxxxxLR-Z, LTTC40WxxxxLR and LTTC40WxxxxLR-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 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 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 of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 26 June 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-104742

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Kreny Lin
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Current controlled LED Driver
Trade name(s)	: HEP GROUP
Type(s)/model(s)	: LBCC30WxxxxLR, LBCC30WxxxxLR-Z, LBTC30WxxxxLR, LBTC30WxxxxLR-Z, LTCC30WxxxxLR, LTCC30WxxxxLR-Z, LTCC40WxxxxLR, LTCC40WxxxxLR-Z, LTTC30WxxxxLR, LTTC30WxxxxLR-Z, LTTC40WxxxxLR and LTTC40WxxxxLR-Z
Supply voltage	: 220-240 V
Nature of supply	: ac
Supply frequency	: 50-60 Hz
Ambient temperature (ta)	: -20...+50°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 340895700.

Additional information

LBCC30WxxxxLR, LTCC30WxxxxLR, LTCC40WxxxxLR
LBCC30WxxxxLR-Z, LTCC30WxxxxLR-Z, LTCC40WxxxxLR-Z
LBTC30WxxxxLR, LTTC30WxxxxLR, LTTC40WxxxxLR
LBTC30WxxxxLR-Z, LTTC30WxxxxLR-Z, LTTC40WxxxxLR-Z
xxxx= 500-1000 (output current, in steps of 25 mA)

The LED controlgear are built-in or independent SELV controlgear with double or reinforced insulation for LED with constant current. The independent versions are designed as Class II. The built-in version can be used inside of luminaires. The LED controlgear LBTC30..., LTTC30..., LTTC40... are dimmable with a trailing edge dimmer. The insulation between primary and secondary is SELV and between primary and housing is considered as double or reinforced 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 at test report 3408957.50.

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
Guangdong Province, China

Model Name	Input				Output				Environment	
	Supply Voltage Un [V]	Supply Frequency fn [Hz]	Supply Current In [mA]	Power Factor @ full load	Output Voltage Urange [V]	Output Current Irated [mA]	Output Power Prated [W]	No-load Output Voltage Uout [V]	Ambient Temperature ta [°C]	Max. Case Temperature tc [°C]
- LBCC30WxxxxLR built-in device; without dimming function	220-240	50-60	170 max.	0,9 C	42-60	500	21-30	66	-20 - +50	75
- LBCC30WxxxxLR-Z independent device; without dimming function					42-57	525	22,1-29,9			
- LBTC30WxxxxLR built-in device; dimmable with trailing edge dimmer					36-54	550	19,8-29,7			
- LBTC30WxxxxLR-Z independent device; dimmable with trailing edge dimmer					36-51	575	20,7-29,3			
LBCC30W500LR(-Z), LBTC30W500LR(-Z)					33-50	600	19,8-30			
LBCC30W525LR(-Z), LBTC30W525LR(-Z)					36-50	600	21,6-30			
LBCC30W550LR(-Z), LBTC30W550LR(-Z)					33-48	625	20,6-30			
LBCC30W575LR(-Z), LBTC30W575LR(-Z)					36-48	625	22,5-30			
LBCC30W600LR(-Z)					30-46	650	19,5-29,9			
LBTC30W600LR(-Z)					30-44	675	20,3-29,7			
LBCC30W625LR(-Z)					30-42	700	21-29,4			
LBCC30W650LR(-Z), LBTC30W650LR(-Z)					30-39	725	21,8-28,3			
LBCC30W675LR(-Z), LBTC30W675LR(-Z)					27-36	750	20,3-27			
LBCC30W700LR(-Z), LBTC30W700LR(-Z)					27-36	775	20,9-27,9			
LBCC30W725LR(-Z), LBTC30W725LR(-Z)					24-36	800	19,2-28,8			
LBCC30W750LR(-Z), LBTC30W750LR(-Z)					27-36	800	21,6-28,8			
LBCC30W775LR(-Z), LBTC30W775LR(-Z)					24-33	825	19,8-27,2			
LBCC30W800LR(-Z)					27-33	825	22,3-27,2			
LBTC30W800LR(-Z)					24-33	850	20,4-28			
LBCC30W825LR(-Z)					27-33	850	23-28			
LBCC30W850LR(-Z)					24-33	875	21-28,9			
LBTC30W825LR(-Z)					27-33	875	23,6-28,9			
LBCC30W875LR(-Z)					21-30	900	18,9-27			
LBTC30W875LR(-Z)					21-30	925	19,4-27,7			
LBCC30W900LR(-Z), LBTC30W900LR(-Z)					21-30	950	20-28,5			
LBCC30W925LR(-Z), LBTC30W925LR(-Z)					21-30	975	20,5-29,2			
LBCC30W950LR(-Z), LBTC30W950LR(-Z)					21-30	1000	21-30			
LBCC30W975LR(-Z), LBTC30W975LR(-Z)								38	80	
LBCC30W1000LR(-Z), LBTC30W1000LR(-Z)										