

CERTIFICATE

Issued to:
Applicant:
BRIDGELUX, INC.
46410 Fremont Boulevard, Fremont
Fremont CA 94538, United States Of America

Licensee:
BRIDGELUX, INC.
46410 Fremont Boulevard, Fremont
Fremont CA 94538, United States Of America

Product : LED driver
Trade name(s) : bridgelux
Type(s)/model(s) : BXDR-PS-24BT-E106N-01-A, BXDR-PS-29BT-E107N-01-A,
BXDR-PS-30BT-E107D-01-A, BXDR-PS-38BT-E109N-01-A,
BXDR-PS-42BT-E110N-01-A and BXDR-PS-44BT-E110D-01-A

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 6063888

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

Certificate number: 35-128369

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED driver
Trade name(s)	: bridgelux
Type(s)/model(s)	: BXDR-PS-24BT-E106N-01-A, BXDR-PS-29BT-E107N-01-A, BXDR-PS-30BT-E107D-01-A, BXDR-PS-38BT-E109N-01-A, BXDR-PS-42BT-E110N-01-A and BXDR-PS-44BT-E110D-01-A
Rated voltage	: 220-240 Vac, 198-264 Vdc
Rated frequency	: 0/50/60 Hz
Degree of protection	: IP20
Ambient temperature (ta)	: 50 °C
Additional information	: constant current output, 110 °C thermal protection, non-inherently short circuit proof, EL mark; With terminal block cover: Class II, independent type; Without terminal block cover: Double insulation, built-in type

Product data – type BXDR-PS-24BT-E106N-01-A

Max. case temperature (tc)	: 80 °C
Rated input current	: 0,18 A
Power factor	: 0,68C-0,95
Rated output voltage	: 24-42 Vdc, Max. 50 Vdc
Rated output current	: 300-550 mA
Max. output power	: 12,6-23,1 W

Product data – type BXDR-PS-29BT-E107N-01-A

Max. case temperature (tc)	: 80 °C
Rated input current	: 0,22 A
Power factor	: 0,65C-0,96
Rated output voltage	: 24-42 Vdc, Max. 50 Vdc
Rated output current	: 450-700 mA
Max. output power	: 18,9-29,4 W

Product data – type BXDR-PS-30BT-E107D-01-A

Max. case temperature (tc)	: 80 °C
Rated input current	: 0,25 A
Power factor	: 0,65C-0,96
Rated output voltage	: 24-42 Vdc, Max. 59 Vdc
Rated output current	: 150-700 mA
Max. output power	: 6,3-29,4 W

Product data – type BXDR-PS-38BT-E109N-01-A

Max. case temperature (tc)	: 80 °C
Rated input current	: 0,29 A
Power factor	: 0,93C
Rated output voltage	: 24-42 Vdc, Max. 50 Vdc
Rated output current	: 750-900 mA
Max. output power	: 31,5-37,8 W

Product data – type BXDR-PS-42BT-E110N-01-A

Max. case temperature (tc)	: 85 °C
Rated input current	: 0,35 A

Power factor : 0,95
Rated output voltage : 24-40 Vdc, Max. 50 Vdc
Rated output current : 900-1050 mA
Max. output power : 36-42 W

Product data – type BXDR-PS-44BT-E110D-01-A

Max. case temperature (tc) : 90 °C
Rated input current : 0,35 A
Power factor : 0.95
Rated output voltage : 24-42 Vdc, Max. 59 Vdc
Rated output current : 700-1050 mA
Max. output power : 29,4-44,1 W

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 490130600.

Additional information

The list of components is laid down in test report 4901306.50, 4901306.51.

Conclusion

The examination proved that all requirements were met.

Factory locations

Foshan Eaglerise Power Science & Technology (Shunde) Co.,Ltd.
No.4, East Huanzhen Road, Beijiao Shunde,
528000 Foshan Guangdong, China

EAGLERISE ELECTRIC & ELECTRONIC (JI AN) CO., LTD
West Zone, Ji An County Industrial Park,
343100 Ji An County Jiangxi, China

Trade name : bridgelux stands for

The logo for "bridgelux", consisting of the word "bridgelux" in a lowercase, sans-serif font. A thin black line arches over the word, starting from the 'i' and ending at the 'x'. A registered trademark symbol (®) is located at the end of the word.