CERTIFICATE

Issued to: Applicant: BJB GmbH & Co. KG Werler Str. 1 59755 Arnsberg, Germany

DEKRA

Licensee: HEP GmbH Ramsloh 10 58579 Schalksmühle, Germany

Product:Constant current electronic LED DriverTrade name(s):BJBType(s)/model(s):32.901.1001, 32.901.1003 and 32.901.1004

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 12 September 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-105574

DEKRA Certification B.V.

drs. G.J. Zoetbrood

Susan Lehner

Certification Manager

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ACCREDITED BY THE DUTCH ACCREDITATION COUNCIL

Managing Director





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ANNEX TO ENEC CERTIFICATE 88-105574

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data Product Trade name(s) Type(s)/model(s) Supply voltage Supply frequency Ambient temperature (ta)

Constant current electronic LED Driver
BJB
32.901.1001, 32.901.1003 and 32.901.1004
220-240 V
0/50-60 Hz
-20...+40°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 340806100.

Additional information

The LED controlgear is an independent SELV controlgear for LEDs with three constant output current selected by jumper and mechanical coding of the output socket. The Jumper placement and coding placement will be done during manufacturing. It is not changeable for the end customer. The LED controlgear can be used in conjunction of track systems. The housing has two different lengths. For 32.901.1001 the length is 513 mm and for 32.901.1003 and 32.901.1004 is 622 mm. The insulation between primary and secondary is SELV. The insulation between case and primary circuit and secondary circuit is basic insulated. The primary connection of the controlgear has a track adaptor. The max. enclosure temperature under abnormal or fault conditions 110°C.

max. temperature under abnormal or fault conditions 110 °C

The list of components is laid down at test report 3408061.52.

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

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ANNEX TO ENEC CERTIFICATE 88-105574

Type designation: 32.901.1001 : (coding GR6d-1) In = 90 mA; PF = 0,85C; Irated = 350 mA; Prated = 3,5–14 W; Urange = 10–40 Vdc; tc= 50 °C

32.901.1003 : (coding GR6d-3) In = 160 mA; PF = 0,95; Irated = 700 mA; Prated = 7–28 W; Urange = 10–40 Vdc; tc= 55 °C

32.901.1004 : (coding GR6d-4) In = 225 mA; PF = 0,95; Irated = 1050 mA; Prated = 10,5–42 W; Urange = 10,40 Vdc; tc= 65°C

The type designation .yy may be extended 32.901.100x.yy by the color.

CERTIFICATE

Issued to: Applicant: BJB GmbH & Co. KG Werler Str. 1 59755 Arnsberg, Germany

Licensee: HEP GmbH Ramsloh 10 58579 Schalksmühle, Germany

Product Trade name(s) Type(s)/model(s) Constant current electronic LED Driver BJB 32.901.2003 and 32.901.2004

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 17 July 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-109360

DEKRA Certification B.V.

B.T.M. Holtus Managing Director Hare

K Xu Certification Manager

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ANNEX TO ENEC CERTIFICATE 88-109360

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product Trade name(s) Type(s)/model(s) Supply voltage Supply frequency Ambient temperature (ta) Power factor Output voltage Constant current electronic LED Driver
BJB
32.901.2003 and 32.901.2004
220-240 V
0/50-60 Hz
-20...+40°C
0,95
10-40 Vdc

: 160 mA

: 700 mA

: 7-28 W

225 mA

1050 mA

10.5-42 W

55 °C

:

: 50 °C

Product data – type 32.901.2003

Supply current Max. case temperature (tc) Output current Output power

Product data - type 32.901.2004

Supply current Max. case temperature (tc) Output current Output power

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 341347100.

Additional information

The LED controlgear is an independent dimmable SELV controlgear for LEDs with two constant output current selected by dip switch and mechanical coding of the output socket. The dip switch setting and coding placement will be done during manufacturing. It is not changeable for the end customer. The LED controlgear can be used in conjunction of track systems. The LED controlgear is dimmable with DALI. The insulation between primary and secondary is SELV. The insulation between case and primary circuit and secondary circuit is basic insulated. The insulation between DALI and primary circuit is basis isolated and to the secondary circuit is double or reinforced insulation. The primary connection of the controlgear has a track adaptor. The max. enclosure temperature under abnormal or fault conditions 110°C.

The type designation .yy may be extended 32.901.200x.yy by the color.

The list of components is laid down at test report 3413471.52.

Conclusion

The examination proved that all requirements were met.

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ANNEX TO ENEC CERTIFICATE 88-109360

Factory location BJB GmbH & Co. KG Werler Str. 1 59755 Arnsberg, Germany

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EU Declaration of Conformity

Manufacturer's name and address:

BJB GmbH & Co.KG Werler Straße 1 D-59755 Arnsberg, Germany

Product:

Adapter with constant current LED driver for lighting tracks

Type destination:

32.901.1001 32.901.1003 32.901.1004 32.901.2003 32.901.2004

The designated product(s) is (are) in conformity with the provisions of the following European Directives.

X	2014/35/EU	Directive of the European Parliament and of the Council on the harmonization of the laws of the Member States relating to the marking available on the market of electrical equipment desingned for use within certain voltage limits".
X	2014/30/EU	Directive of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility; Official Journal of the EU L96, 29/03/2014, p. 79-106

Further information's regarding compliance with these Directives is given in the annex which constitutes a part of this declaration.

Arnsberg, 23.09.2019 (Place, Date)

(Legally binding signature of the issuer) opa. Klein ppa. Baumerster

EU Declaration of Conformity

Annex

The conformity of the designated product(s) with the provisions of the European Directive **2014/35/EU** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

х	EN 61347-1:2015	Lamp controlgear – Part 1: General and safety requirements
Х	EN 61347-2-13:2014	Lamp controlgear – Part 2-13: Particular requirements for DC or AC supplied electronic controlgear for LED modules
х	EN 61347-2-13:2014/A1:2017	Lamp controlgear – Part 2-13: Particular requirements for DC or AC supplied electronic controlgear for LED modules
Х	EN 62384:2006	DC or AC supplied electronic controlgear for LED modules – Performance requirements
X	EN 62384:2006/A1:2009	DC or AC supplied electronic controlgear for LED modules – Performance requirements

The conformity of the designated product(s) with the provisions of the European Directive **2014/30/EU** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

X	EN 55015:2013+A1:2015	Limits and methods of measurement of radio disturbance
X	EN 61547: 2009	Equipment for general lighting purposes — EMC immunity
		requirements
X	EN 61000-3-2: 2014	Electromagnetic compatibility (EMC) — Part 3-2: Limits —
		Limits for harmonic current emissions (equipment input
		current ≤ 16 A per phase)
X	EN 61000-3-3: 2013	Electromagnetic compatibility (EMC) — Part 3-3: Limits —
	Conservation and the second description of the second	Limitation of voltage changes, voltage fluctuations and flicker
		in public low voltage supply systems, for equipment with rated
		current ≤ 16 A per phase and not subjected to conditional
		connection