

CERTIFICATE

Issued to:
Applicant:
Vossloh-Schwabe Deutschland GmbH
Stuttgarter Str. 61/1
73614 Schorndorf, Germany

Licensee:
Vossloh-Schwabe Deutschland GmbH
Stuttgarter Str. 61/1
73614 Schorndorf, Germany

Product : Electronic controlgear for LED modules
Trade name(s) : VS LIGHTING SOLUTIONS
Type(s)/model(s) : ECXd1400.317 110-277V, ECXd 2100.654 110-277V and
ECXe1400.316 220-240V

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 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 61347-1:2015/A1:2021 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 6061104

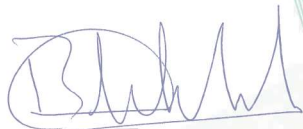
DEKRA hereby grants the right to use the ENEC certification mark.

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

Certificate number: 81-114238 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic controlgear for LED modules
Trade name(s)	: VS LIGHTING SOLUTIONS
Type(s)/model(s)	: ECXd1400.317 110-277V, ECXd 2100.654 110-277V and ECXe1400.316 220-240V
Primary voltage	: 110-277 V, 196-250 for d.c.
Nature of supply	: alternate current, direct current
Rated frequency	: 50-60 Hz, 0 Hz
Primary current	: From 0,32 to 0,72 A for a.c., from 0,45 to 0,53 A for d.c.
Secondary current	: From 0,35 to 2,1 A
Secondary power	: From 7 to 85 W
Type of load	: LED modules, power LED
Classification	: Built in

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 350908000.

Additional information

DEKRA test report No. 3509080.100 and 3509080.101 are laid down in DEKRA test file 350033600; they contain test results. DEKRA test report No. 3509080.100 contains the critical component list.

For specific Model/Type electrical rating refer to following page.

This certificate replaces certificate No. 81-114238 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

General product information: The devices are intended to supply high power Light Emitting Diodes or LED modules. The devices have a constant output current, depending on the selection of the DIP switch or NFC setting. The stabilized output (SEC, LED) is dimmable by 1-10 V control devices or PUSH L or DALI protocol. The ECXe1400.316 220-240V is not dimmable. The output power can be up to Pout max with proportionate values of Iin. All models have SELV output.

Types	Primary voltage (50-60 Hz) (V) [1]	Max. primary current (A)	Power Factor	d.c. current (A) [2]	Output power (W) [3]	Output current (A) [3]	Uout (V)	t _a (°C)	t _c (°C)	Use [4]
ECXd 2100.654 110-277V	110-277	0,34-0,72	0,7 C-0,99	0,53	14-85 14-70	0,7-2,1 0,7-1,4	60	-25..50	80	BI, 110
ECXd1400.317 110-277V	110-277	0,32-0,62	0,95 (Pout> 7,5/32,5/ 42,5 W)	0,45	7-45 7-65	0,35-1,4	60	-25..55	75	BI, 110
ECXe1400.316 220-240V	220-240	0,39-0,48	0,98 (Pout> 35 W)	0,5	Max. 70	0,35-1,4	59	-25..50	80	BI, 110

Notes: [1] – Rated value for a.c. range; [2] – 176-275 V is the operative d.c. range; they can be used for centralized emergency installations in the rated 196-250 V. [3] – Different values according to setting. [4] – BI=built-in; 110= the products have an overheating protection (C.5.a) and comply with temperature limit of IEC/EN 60598-1.