

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 : LED module
Trade name(s) : VS
Type(s)/model(s) : DMS1208J-xxxxx, DMS1208J-xxxxx-2, DMS1212J-xxxxx, DMS1212J-xxxxx-2,
DMS1812J-xxxxx and DMS1812J-xxxxx-2

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 IEC 62031:2020 and EN IEC 62031:2020/A11:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6061104

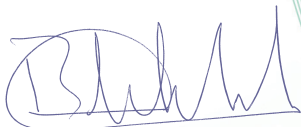
DEKRA hereby grants the right to use the ENEC certification mark.

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 14 February 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-122496

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED module
Trade name(s)	: VS
Type(s)/model(s)	: DMS1208J-xxxxx, DMS1208J-xxxxx-2, DMS1212J-xxxxx, DMS1212J-xxxxx-2, DMS1812J-xxxxx and DMS1812J-xxxxx-2

Product data – type DMS1208J-xxxxx and DMS1208J-xxxxx-2

Rated Power(W)	: 23,6
LES (mm)	: 14,5
Substrate Size (mm)	: 19*19
If rated (mA)	: 700
I max (mA)	: 1400
Vf at Irated (V)	: 33,8
Vf at Imax (V)	: 36,2

Product data – type DMS1212J-xxxxx and DMS1212J-xxxxx-2

Rated Power(W)	: 35,5
LES (mm)	: 22
Substrate Size (mm)	: 28*28
If rated (mA)	: 1050
I max (mA)	: 2100
Vf at Irated (V)	: 33,8
Vf at Imax (V)	: 36,3

Product data – type DMS1812J-xxxxx and DMS1812J-xxxxx-2

Rated Power(W)	: 72,6
LES (mm)	: 22
Substrate Size (mm)	: 28*28
If rated (mA)	: 1400
I max (mA)	: 2100
Vf at Irated (V)	: 51,9
Vf at Imax (V)	: 54,2

TESTS**Test requirements**

EN IEC 62031:2020
EN IEC 62031:2020/A11:2021

Test result

The test results are laid down in DEKRA test file 612463400.

Additional information

These products also comply with EN 62493:2015.

The list of components is laid down in test report 6124634.51.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 44589.

Appendix 1: Ceramic CoB model list

Type	LES (mm)	Substrate Size (mm)	If rated (mA)	I max (mA)	Vf at Irated (V)	Vf at Imax (V)
DMS1208J-xxxxx	14,5	19*19	700	1400	33,8	36,2
DMS1208J-xxxxx-2	14,5	19*19	700	1400	33,8	36,2
DMS1212J-xxxxx	22	28*28	1050	2100	33,8	36,3
DMS1212J-xxxxx-2	22	28*28	1050	2100	33,8	36,3
DMS1812J-xxxxx	22	28*28	1400	2100	51,9	54,2
DMS1812J-xxxxx-2	22	28*28	1400	2100	51,9	54,2

CPN define DMSX1X2X3X4J-X5X6X7X8X9-X10

DMS---Model type

X1X2 ---Designates configuration in series (12=12 series,18=18 series)

X3X4 ---Designates configuration in parallel (08=8 parallels,12=12 parallels)

X5---Designates minimum CRI(7=70 CRI, 8=80 CRI, 9=90 CRI)

X5X6X7 ~X5X6X7X8X9--- Designates Color Point

X10---Designates SDCM (-2: 2 SDCM,default(blank): 3 SDCM)

