

CERTIFICATE

Issued to:
Applicant:
OSRAM GmbH
Marcel-Breuer-Strasse 6
80807 München, Germany

Licensee:
OSRAM GmbH
Marcel-Breuer-Strasse 6
80807 München, Germany

Product : Independent LED drivers
Trade name(s) : OSRAM
Type(s)/model(s) : EM 100/120-277/700 P7, EM 150/120-277/700 P7, EM 200/120-277/700 P7
and EM 250/120-277/700 P7

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 61347-1:2015, EN 61347-1:2015/A1:2021, 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 factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2196588

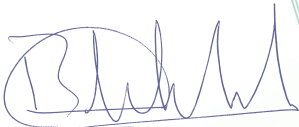
DEKRA hereby grants the right to use the ENEC certification mark.

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 2 March 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-122866

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	: Independent LED drivers
Trade name(s)	: OSRAM
Type(s)/model(s)	: EM 100/120-277/700 P7, EM 150/120-277/700 P7, EM 200/120-277/700 P7 and EM 250/120-277/700 P7
Rated input voltage	: 120-190 V, 190-277 V
Rated frequency	: 50/60 Hz
Class of insulation	: Class I
Max. case temperature (tc)	: 90 °C
Ambient temperature (ta)	: 60 °C
Degree of protection	: IP 67
PF	: $\lambda \geq 0,95$
Additional information	: Independent, Auto-wound controlgear, constant current type

Product data – type EM 100/120-277/700 P7

Additional information	: In 0,7 A, Irated 0,7 A, Urated 100-143 Vdc, Uout 370 Vdc; 120-190 V: 70 W; 190-277 V: 100 W
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Product data – type EM 150/120-277/700 P7

Additional information	: In 1,14 A, Irated 0,7 A, Urated 150-215 Vdc, Uout 370 Vdc; 120-190 V: 105 W; 190-277 V: 150 W
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Product data – type EM 200/120-277/700 P7

Additional information	: In 1,4 A, Irated 0,7 A, Urated 200-285 Vdc, Uout 370 Vdc; 120-190 V: 140 W; 190-277 V: 200 W
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Product data – type EM 250/120-277/700 P7

Additional information	: In 1,6 A, Irated 0,7 A, Urated 240-343 Vdc, Uout 400 Vdc; 120-190 V: 168 W; 190-277 V: 240 W
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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 62384:2006
EN 62384:2006/A1:2009

Test result

The test results are laid down in DEKRA test file 438406700.

Additional information

The list of components is laid down in test report 4384067.50.

Conclusion

The examination proved that all requirements were met.