

CERTIFICATE

Issued to:
Applicant:
Lumileds Malaysia Sdn. Bhd.
Lebuh Kampung Jawa, Bayan Lepas FIZ, Phase 3
11900 Penang, Malaysia

Licensee:
Lumileds Malaysia Sdn. Bhd.
Lebuh Kampung Jawa, Bayan Lepas FIZ, Phase 3
11900 Penang, Malaysia

Product : LED module
Trade name(s) : LUMILEDS
Type(s)/model(s) : L213-VVZZ008MRH001 series, L213-VVZZ012MRH001 series and
L213-VVZZ016MRH001 series

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 PD EPRS 001:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6066553

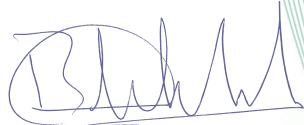
DEKRA hereby grants the right to use the ENEC+ certification mark.

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 and based on ENEC certificate no 31-137510.


This certificate is issued on 20 March 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-137682

DEKRA Certification B.V.

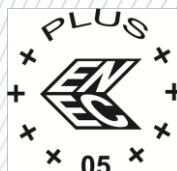


B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED module
Trade name(s)	: LUMILEDS
Type(s)/model(s)	: L213-VVZZ008MRH001 series, L213-VVZZ012MRH001 series and L213-VVZZ016MRH001 series
Rated input current	: 0,7 Adc
Max. case temperature (tc)	: 85 °C
Description	: built-in; Constant current type
Ambient temperature range	: 25 °C
Colour temperature (CCT)	: 2200 K to 6500 K
Colour rendering index (CRI)	: 70, 80, 90

Product data – type L213-VVZZ008MRH001 series

Nominal power	: 15,5 W
Luminous flux	: Max: 2885 lm, Min:2062 lm
Luminous efficacy	: Max: 186,1 lm/W, Min:133,0 lm/W

Product data – type L213-VVZZ012MRH001 series

Nominal power	: 23,3 W
Luminous flux	: Max: 4327 lm, Min:3093 lm
Luminous efficacy	: Max: 185,7 lm/W, Min:132,7 lm/W

Product data – type L213-VVZZ016MRH001 series

Nominal power	: 31,1 W
Luminous flux	: Max: 5770 lm, Min:4124 lm
Luminous efficacy	: Max: 186,1 lm/W, Min:133,0 lm/W

TESTS**Test requirements**

PD EPRS 001:2018

Test result

The test results are laid down in DEKRA test file 617969800.

Additional information

The product also complies with EN 62493:2015+A1:2022 in ENEC certificate

The list of components is laid down in test report 6179698.50P.

Conclusion

The examination proved that all requirements were met.

Factory location
