

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) : L213-2270012MDE001, L213-2770012MDE001, L213-2780012MDE001,
L213-3070012MDE001, L213-3080012MDE001, L213-3570012MDE001,
L213-4070012MDE001, L213-4080012MDE001, L213-5070012MDE001 and
L213-5770012MDE001

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

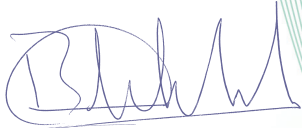
DEKRA hereby grants the right to use the ENEC+ certification mark.

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 31-123883.

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

Certificate number: 31-136961

DEKRA Certification B.V.

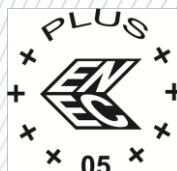


B.T.M. Holtus
Managing Director



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)	: L213-2270012MDE001, L213-2770012MDE001, L213-2780012MDE001, L213-3070012MDE001, L213-3080012MDE001, L213-3570012MDE001, L213-4070012MDE001, L213-4080012MDE001, L213-5070012MDE001 and L213-5770012MDE001
Rated input current	: 0,7 Adc
Nominal power	: 23,31 W
Max. case temperature (tc)	: 85 °C
Luminous flux	: Max: 4159 lm, Min: 3444 lm
Luminous efficacy	: Max: 178,4 lm/W, Min: 147,7 lm/W
Ambient temperature range	: 25 °C
Colour temperature (CCT)	: 2200 K to 5700 K
Colour rendering index (CRI)	: 70, 80

TESTS**Test requirements**

PD EPRS 001:2018

Test result

The test results are laid down in DEKRA test file 617969700.

Additional information

The list of components is laid down in test report 6179697.50P.

Conclusion

The examination proved that all requirements were met.

Factory location

Model list

Model name	Rated power (W)	Rated luminous flux (lm)	Rated CCT (K)	CRI	Rated efficacy (lm/W)	Dimensions (mm)
L213-2270012MDE001	23,31	3444	2200	70	147,7	172,2 x 49,5
L213-2770012MDE001		3753	2700		161,0	
L213-3070012MDE001		3980	3000		170,7	
L213-3570012MDE001		4127	3500		177,0	
L213-4070012MDE001		4159	4000		178,4	
L213-5070012MDE001		4139	5000		177,6	
L213-5770012MDE001		4099	5700		175,8	
L213-2780012MDE001		3475	2700	80	149,1	
L213-3080012MDE001		3678	3000	157,8		
L213-4080012MDE001		3874	4000	166,2		