

# 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-VVZZ008MDE001

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

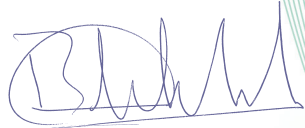
DEKRA hereby grants the right to use the ENEC+ certification mark.

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 31-136482.


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

Certificate number: 31-136954

DEKRA Certification B.V.

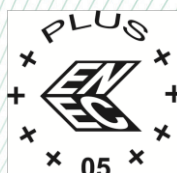


B.T.M. Holtus  
Managing Director



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-VVZZ008MDE001
Rated input current	: 0,7 Adc
Nominal power	: 15,8 W
Max. case temperature (tc)	: 85 °C
Luminous flux	: Max: 2841 lm, Min:2374 lm
Luminous efficacy	: Max: 179,8 lm/W, Min:150,3 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**

L213-VVZZ008MDE001  
VV – designates nominal CCT  
ZZ - designates minimum CRI

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)
L213-2270008MDE001	15,8	2407	2200	70	152,3	121,4 x 49,5
L213-2770008MDE001		2643	2700		167,3	
L213-3070008MDE001		2760	3000		174,7	
L213-3570008MDE001		2795	3500		176,9	
L213-4070008MDE001		2841	4000		179,8	
L213-5070008MDE001		2824	5000		178,7	
L213-5770008MDE001		2761	5700		174,7	
L213-2780008MDE001		2374	2700	80	150,3	
L213-3080008MDE001		2477	3000		156,8	
L213-4080008MDE001		2632	4000		166,6	