

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 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 EN IEC 62031:2020
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2191594

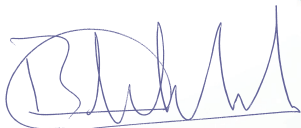
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 10 August 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-115133

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



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 current	: 0,7 A
Nature of supply	: dc
Degree of protection	: IP20; tc: 85°C
Other information	: built-in; constant current type

TESTS**Test requirements**

EN IEC 62031:2020

Test result

The test results are laid down in DEKRA test file 608317600.

Additional information

The list of components is laid down at test report 6083176.50.

Conclusion

The examination proved that all requirements were met.

Factory location

Model Number	Rated current (A)	Rated voltage (Vdc)	Nominal power (W)	Tc	CRI	CCT (K)				
L213-2270016MRH001	0,7	44,4	31,1	85°C	70	2200				
L213-2770016MRH001						2700				
L213-3070016MRH001;						3000				
L213-3570016MRH001						3500				
L213-4070016MRH001						4000				
L213-5070016MRH001						5000				
L213-5770016MRH001						5700				
L213-6570016MRH001						6500				
L213-2280016MRH001					80	44,4	31,1	85°C	2200	
L213-2780016MRH001									2700	
L213-3080016MRH001;									3000	
L213-3580016MRH001									3500	
L213-4080016MRH001									4000	
L213-5080016MRH001									5000	
L213-5780016MRH001									5700	
L213-6580016MRH001									6500	
L213-2790016MRH001					90	44,4	31,1	85°C	2700	
L213-3090016MRH001									3000	
L213-3590016MRH001									3500	
L213-4090016MRH001									4000	
L213-5090016MRH001									5000	
L213-5790016MRH001									5700	
L213-2270012MRH001					0,7	33,3	23,3	85°C	70	2200
L213-2770012MRH001;										2700
L213-3070012MRH001		3000								
L213-3570012MRH001		3500								
L213-4070012MRH001		4000								

L213-5070012MRH001						5000	
L213-5770012MRH001						5700	
L213-6570012MRH001						6500	
L213-2280012MRH001					80	2200	
L213-2780012MRH001;						2700	
L213-3080012MRH001						3000	
L213-3580012MRH001						3500	
L213-4080012MRH001						4000	
L213-5080012MRH001						5000	
L213-5780012MRH001						5700	
L213-6580012MRH001						6500	
L213-2790012MRH001						90	2700
L213-3090012MRH001							3000
L213-3590012MRH001							3500
L213-4090012MRH001							4000
L213-5090012MRH001							5000
L213-5790012MRH001					5700		
L213-2270008MRH001					70		2200
L213-2770008MRH001;						2700	
L213-3070008MRH001						3000	
L213-3570008MRH001						3500	
L213-4070008MRH001						4000	
L213-5070008MRH001						5000	
L213-5770008MRH001						5700	
L213-6570008MRH001						6500	
L213-2280008MRH001						80	2200
L213-2780008MRH001;							2700
L213-3080008MRH001					3000		
L213-						3500	
		22,2	15,5				

3580008MRH001						
L213-4080008MRH001						4000
L213-5080008MRH001						5000
L213-5780008MRH001						5700
L213-6580008MRH001						6500
L213-2790008MRH001					90	2700
L213-3090008MRH001						3000
L213-3590008MRH001						3500
L213-4090008MRH001						4000
L213-5090008MRH001						5000
L213-5790008MRH001						5700