CERTIFICATE

Issued to:
Applicant:
Lumileds (Shanghai) Management Co., Ltd.
Building 1-A, No. 19 & 20, Lane 299, Wenshui Road, Jingan District
200072 Shanghai, China

Licensee:
Lumileds (Shanghai) Management Co., Ltd.
Building 1-A, No. 19 & 20, Lane 299, Wenshui Road, Jingan District
200072 Shanghai, China

Product	:	Integral LED module
Trade name(s)	:	LUMILEDS
Type(s)/model(s)	:	L2C4-AABBCDDDEFFGG and L2C6-AABBCDEEFGGHH

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:
- a type test according to EN IEC 62031:2020 and EN IEC 62031:2020/A11:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6057396

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 1 July 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-143107

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

C. Lin
Certification Manager

ACCREDITED BY THE DUTCH ACCREDITATION COUNCIL

PRODUCTS RvA C 001

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SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Integral LED module
Trade name(s)	:	LUMILEDS
Type(s)/model(s)	:	L2C4-AABBCDDDEFFGG and L2C6-AABBCDEEFGGHH
Rated current	:	3600 mA max.

TESTS

Test requirements

EN IEC 62031:2020
EN IEC 62031:2020/A11:2021

Test result

The test results are documented in DEKRA test file 618123800.

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 6163547.51.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

The factory location is registered with the number 44589.

Annex model list

LUXEON CX Plus CoB Gen 2 model nomenclature
L2C4-AABBCDDDEFFGG
Where
AA: designates nominal CCT (e.g. 27=2700K, 30=3000K, 35=3500K, 40=4000K, 50=5000K or any nominal CCT less than 5000K)
BB: designates minimum CRI (e.g. 80=80CRI, 90=90CRI or any CRI greater than min 80)
C: designates SDCM (2=2-step MacAdam ellipse, 3=3-step MacAdam ellipse)
DDD: designates product configuration (e.g. S01, M02, M03, L04, L05, L08)
E: designates options for product specification
FF: designates light emitting surface (LES) diameter (06=6mm, 09=9mm, 12=12mm, 14=14mm)
G G: designates options for product specification

Nomenclature	Maximum input voltage (V)	Typ Current (mA)	Max Current (mA)	Max Power (W)
L2C4 -AABBCS01EFFGG	41,5	100	250	10,38
L2C4 -AABBCM02EFFGG	41,5	200	400	16,60
L2C4 -AABBCM03EFFGG	41,5	350	700	29,05
L2C4 -AABBCL04EFFGG	41,5	450	900	37,35
L2C4 -AABBCL05EFFGG	41,5	550	1100	45,65
L2C4 -AABBCL08EFFGG	41,5	800	1600	66,40

LUXEON CX Plus CoB - High Density & LUXEON CX Plus CoB – High Density (Below BBL) model nomenclature
L2C4-AABBCDDDEFFGG
Where
AA: designates nominal CCT (e.g. 27=2700K, 30=3000K, 35=3500K, 40=4000K, 50=5000K, 57=5700 or any nominal CCT less than 5700K)
BB: designates minimum CRI (e.g. 80=80CRI, 90=90CRI, 95=95CRI or any CRI greater than min 80)
C: designates SDCM (2=2-step MacAdam ellipse, 3=3-step MacAdam ellipse)
DDD: designates product configuration (e.g. S01, S02, S04)
E: designates options for product specification
FF: designates light emitting surface (LES) diameter (04=4.5mm, H6/06=6mm, 09=9mm)
G G: designates options for product specification (00=standard, B0=Below black body line)

Nomenclature	Maximum input voltage (V)	Typ Current	Max Current	Max Power (W)
L2C4 - AABBCS01EFFGG	46	175	350	16,1
L2C4 - AABBCS02F04GG	46	175	350	16,1
L2C4 - AABBCS02FH6GG	46	175	350	16,1
L2C4 - AABBCS02F06GG	46	350	700	32,2
L2C4 - AABBCS04EFFGG	46	700	1400	64,4

LUXEON CS Range CoBs
L2C6-AABBCDEEFGGHH

Where
AA – Designate nominal ANSI CCT (eg: 22=2200K, 27=2700K, 30=3000K,35=3500K, 40=4000K, 50=5000K, 56=5600K, 57=5700K, 65=6500K)
BB – Designates minimum CRI (eg: 80=80CRI, 90=90CRI, 95=95CRI)
C – Designates color target of SDCM (eg: 2=2 SDCM)
D – Designates product configuration of series (eg: L=12 series, R= 18 series)
EE – Designates product configuration of parallel (eg: 02= 2 parallel, 03= 3 parallel, 04= 4 parallel, 05= 5 parallel, 06= 6 parallel ,08= 8 parallel ,10= 10 parallel,11= 11 parallel,12= 12 parallel, 13= 13 parallel, 16= 16 parallel,18=18 parallel)
F – Designates options for product generation (eg: A= Gen1, B= Gen1 HE, C= Gen2)
GG – Designates light emitting surface(LES)size (eg: 06=6.3mm, 09=9.8mm, 13=13mm, 15=14.5mm, 22=22mm)
HH – Designates options for product specification. (eg: 00= On BBL, X0= Core Pro)

Nomenclature	Maximum input voltage (V)	Typ Current (mA)	Max Current (mA)	Max Power (W)
L2C6-AABBCL02FGGHH	40	180	450	18
L2C6-AABBCL04FGGHH	40	360	900	36
L2C6-AABBCL06FGGHH	40	540	1350	54
L2C6-AABBCL08FGGHH	40	720	1800	72
L2C6-AABBCL10FGGHH	40	900	2250	90
L2C6-AABBCL13FGGHH	40	1170	2925	117
L2C6-AABBCL16FGGHH	40	1440	3600	144
L2C6-AABBCR12FGGHH	58	1080	2400	139
L2C6-AABBCR18FGGHH	58	1620	3600	209
L2C6-AABBCL11FGGHH	40	990	2475	99