

CERTIFICATE

Issued to:

Applicant:

Philips (China) Investment Co., Ltd.
#9, Lane 888, Tianlin Road, Shanghai Business
Park, 200233 Shanghai
China

Manufacturer/Licensee:

Philips (China) Investment Co., Ltd.
#9, Lane 888, Tianlin Road, Shanghai Business
Park, 200233 Shanghai
China

Product : LED module
Trade name : PHILIPS
Types : Fortimo DLM ES 1100/zzz G1, Fortimo DLM ES 2000/zzz G1
Certaflux DLM ES 1100/zzz G1, Certaflux DLM ES 2000/zzz G1

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 62031:2008; EN 62471:2008; IEC/TR 62778:2014
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2101376

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

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

This certificate is issued on: 1 September 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2184954.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



F.A. Rothuis
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	:	LED module
trade name	:	PHILIPS
types	:	Fortimo DLM ES 1100/zzz G1, Fortimo DLM ES 2000/zzz G1 Certaflux DLM ES 1100/zzz G1, Certaflux DLM ES 2000/zzz G1
rated input voltage	:	220-240 V
rated frequency	:	50/60 Hz
rated current	:	See product data per type
rated power	:	See product data per type
ambient temperature	:	See product data per type
max. case temperature (tc)	:	85 °C
description	:	built-in

Additional information

Photo-biological safety classification: Risk Group 1.
zzz in the type no. denotes the color temperature.

zzz	color temperature (CCT)
830	3000 K
840	4000 K
865	6500 K

Product data - type Fortimo DLM ES 1100/zzz G1

Rated current	:	45 mA
Rated power	:	10 W
Color temperature	:	830, 840, 865

Product data - type Fortimo DLM ES 2000/zzz G1

Rated current	:	85 mA
Rated power	:	18 W
Color temperature	:	830, 840, 865

Product data - type Certaflux DLM ES 1100/zzz G1

Rated current	:	55 mA
Rated power	:	12 W
Color temperature	:	830, 840, 865

Product data - type Certaflux DLM ES 2000/zzz G1

Rated current	:	100 mA
Rated power	:	22 W
Color temperature	:	830, 840, 865

TESTS**Test requirements**Main requirements

EN 62031:2008 + A1:2013 + A2:2015

Additional requirements

EN 62471:2008

IEC/TR 62778:2014

Test results

The test results are laid down in DEKRA test file 2184954.00.

Remark

For component list refers to annex 2 of test reports 2184954.50.

Conclusion

The examination proved that all test requirements were met.

Tested by : J.G.H. Gelink

A handwritten signature in blue ink, appearing to be 'J.G.H. Gelink', with a long horizontal stroke extending to the right.

Checked by : L.N.H. Huynh

A handwritten signature in blue ink, appearing to be 'L.N.H. Huynh', with a long horizontal stroke extending to the right.**Factory location**