

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 SLM ES 3000lm 930 PW L15 Gen1, Fortimo SLM ES 3000lm 840 L15 Gen1
Fortimo SLM ES 3000lm 830 PW L15 Gen1, Fortimo SLM ES 2000lm 930 PW L13 Gen1
Fortimo SLM ES 2000lm 840 L13 Gen1, Fortimo SLM ES 2000lm 830 PW L13 Gen1
Fortimo SLM ES 1100lm 930 PW L09 Gen1, Fortimo SLM ES 1100lm 840 L09 Gen1
Fortimo SLM ES 1100lm 830 PW L09 Gen1

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
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2101376

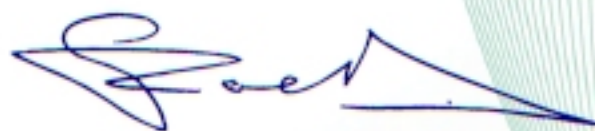
DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

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.

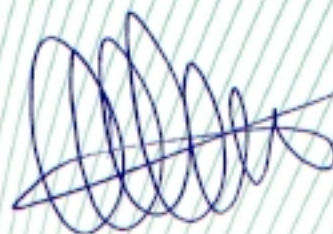
This certificate is issued on: 14 October 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2186069.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



A.P. van der Veen
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	:	LED module
trade name	:	PHILIPS
types	:	Fortimo SLM ES 3000lm 930 PW L15 Gen1 Fortimo SLM ES 3000lm 840 L15 Gen1 Fortimo SLM ES 3000lm 830 PW L15 Gen1 Fortimo SLM ES 2000lm 930 PW L13 Gen1 Fortimo SLM ES 2000lm 840 L13 Gen1 Fortimo SLM ES 2000lm 830 PW L13 Gen1 Fortimo SLM ES 1100lm 930 PW L09 Gen1 Fortimo SLM ES 1100lm 840 L09 Gen1 Fortimo SLM ES 1100lm 830 PW L09 Gen1
rated input voltage	:	220-240 V
nature of supply	:	ac
rated frequency	:	50/60 Hz
power factor	:	0,9
ambient temperature range (ta)	:	35 °C
max. case temperature (tc)	:	See product data per type
rated power	:	See product data per type
rated color temperature	:	See product data per type
description	:	Built-in LED module

Additional information

- constant current type
- Risk Group 1

Product data - type Fortimo SLM ES 1100lm 830 PW L09 1

max. case temperature (tc)	:	87 °C
rated power	:	13 W
rated color temperature	:	830

Product data - type Fortimo SLM ES 1100lm 840 L09 Gen1

max. case temperature (tc)	:	87 °C
rated power	:	11 W
rated color temperature	:	840

Product data - type Fortimo SLM ES 1100lm 930 PW L09 1

max. case temperature (tc)	:	87 °C
rated power	:	13 W
rated color temperature	:	930

Product data - type Fortimo SLM ES 2000lm 830 PW L13 1

max. case temperature (tc) : 85 °C
rated power : 23 W
rated color temperature : 830

Product data - type Fortimo SLM ES 2000lm 840 L13 Gen1

max. case temperature (tc) : 85 °C
rated power : 19 W
rated color temperature : 840

Product data - type Fortimo SLM ES 2000lm 930 PW L13 1

max. case temperature (tc) : 85 °C
rated power : 22 W
rated color temperature : 930

Product data - type Fortimo SLM ES 3000lm 830 PW L15 1

max. case temperature (tc) : 88 °C
rated power : 27 W
rated color temperature : 830

Product data - type Fortimo SLM ES 3000lm 840 L15 Gen1

max. case temperature (tc) : 88 °C
rated power : 27 W
rated color temperature : 840

Product data - type Fortimo SLM ES 3000lm 930 PW L15 1

max. case temperature (tc) : 88 °C
rated power : 27 W
rated color temperature : 930

TESTS**Test requirements****Main test requirements:**

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

Additional test requirements:

EN 60598-1:2015

EN 62471:2008

IEC/TR 62778:2014

Test result

The test results are laid down in DEKRA test file 2186069.00.

Remarks

For component list refers to annex 1 of test reports 2186069.50.

Conclusion

The examination proved that all test requirements were met.

Tested by : L.N.H. Huynh

A handwritten signature in blue ink, appearing to be 'L.N.H. Huynh', written over a horizontal line.

Checked by : T.H.J.M. Michels

A handwritten signature in blue ink, appearing to be 'T.H.J.M. Michels', written over a horizontal line.**Factory location**