

CERTIFICATE

Issued to:
Applicant:
Philips Lighting B.V.
High Tech Campus 45
5656 AE Eindhoven
The Netherlands

Manufacturer/Licensee:
Philips Lighting B.V.
High Tech Campus 45
5656 AE Eindhoven
The Netherlands

Product : Electronic driver for LED modules
Trade name : PHILIPS
Types : XITANIUM 65W 0.7A 230V I160
XITANIUM 65W 1.05A 230V I160

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 61347-1:2008 + A1:2011 + A2:2013; EN 61347-2-13:2014; EN 62384:2006 + A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2037471

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: 20 June 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2195056.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Wim Singewald
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	: Electronic driver for LED modules
trade name	: PHILIPS
types	: XITANIUM 65W 0.7A 230V I160 XITANIUM 65W 1.05A 230V I160
rated current	: 0,36-0,29 A
rated voltage	: 220...240 Vac
rated frequency	: 50 / 60 Hz
rated input power	: 65 W
output current	: See product data per type
output voltage	: See product data per type
max output voltage	: See product data per type
powerfactor	: 0,9C
protection of dust and moisture	: IP67
nature of supply	: ac
max. case temperature (tc)	: 80 °C
ambient temperature range (ta)	: -40°C...+50 °C
description	: Independent

Additional information

The LED driver complies with SELV reinforced insulation and is suitable for Class I and Class II luminaires for indoor use only.

The insulation between primary and secondary is considered as SELV .

Product data - type XITANIUM 65W 0.7A 230V I160

output voltage	: 65 - 93 Vdc
max. output voltage	: 120 Vdc
output current	: 0,7 A

Product data - type XITANIUM 65W 1.05A 230V I160

output voltage	: 42 - 62 Vdc
max. output voltage	: 80 Vdc
output current	: 1,05 A

TESTS**Test requirements**

EN 61347-1:2008 + A1:2011 + A2:2013

EN 61347-2-13:2014

EN 62384:2006 + A1:2009

Test result

The test results are laid down in DEKRA test file 2195056.00.

Remarks

For the components list see Annex 1 in Testreport 2195056.52.

Conclusion

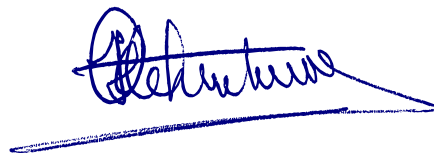
The examination proved that all test requirements were met.

The tests were performed by the manufacturer under the conditions of the agreement concerning the manufacturer's right to conduct type tests for the KEMA-KEUR / ENEC certification system under supervision of DEKRA (CTF Stage 3)

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

A handwritten signature in blue ink, appearing to read "Michels", written over a horizontal line.

Checked by : H.J.H. te Lindert

A handwritten signature in blue ink, appearing to read "H.J.H. te Lindert", written over a horizontal line.

Factory locations

Taiwan Surface Mounting, Technology Co, Ltd.,
No. 888, Ganquan Dong Road,
Economic Technology Development Zone,
215200 Wujiang Jiangsu Province,
China

Hengdian Group Tospo Lighting Co., Ltd.
Hengdian Electronics Industrial Zone,
Dongyang City, Zhejiang Province,
China

List of components

Component	Manufacturer/ trade name	type/model	approval mark ¹⁾
PCB	Several	FR-4 130°C 94V-0	*
Connector X1,X2	Wago	CONN 250-2P, 5A/300V CONN 250-4P	VDE/SEMKO
Connector X3	JST	3,5mm pitch, CONN B07B- PASK-1(LF)(SN) 250V/3A	VDE/SEMKO
X-cap C101,C102	Faratronic	MKP62-X2, 100?F/305V	VDE
X-cap C101, C102	Epcos	B32921, 100nF/305V	VDE
Y-cap C118	Murata Electronics	KX Y1 2,2nF/250V	VDE
VDR V1	Epcos	SIOV-S, 320Vrms	VDE
Optocoupler U4	Vishay Electronic Gmbh	TCLT1006	UL/*
Optocoupler U4	Vishay Electronic Gmbh	VOL617A-3X001T	UL/*
Transformer T101	Würth-Midcom	442240178422, 5mH EF 25/9	UL/*
Transformer T121	Meixing	750313076 2mH EE16/7/5	UL/*
Transformer T121	OCL Elektronik	442240897791/44224017459 2, L convert 2mH EE16/17	UL/*
Transformer T121	Meixing	750314349, 2 mH EE16/17	UL/*
cover	ShaoXing Naite Plastics Co, Ltd.	COVER Led Driver LH140 Gen2	*
Chassis	Changhong Electric Appliance Company	CHASSIS Xitanium 140x42	*
¹⁾ * indicates a component tested as part of the appliance			