

**Business Stream Products**  
**Certification Department**

TÜV Rheinland LGA Products GmbH · 90431 Nürnberg

Philips Lighting (China) Investment  
Co., Ltd.  
Building 9, Lane 888 Tianlin Road  
Minhang District  
200233 SHANGHAI  
CHINA

**Contact**

Tel. +49 911 655-5225  
Mail [service@de.tuv.com](mailto:service@de.tuv.com)

Date August 03, 2017

**Application for** : **CB-Zertifikat**  
**Certificate No.** : DE 02022104 -A1  
**Device** : High-voltage switchgear and controlgear  
LED Transformer  
**Type** : see Certificate  
**Test requirement** : IEC 61347-1:2015  
IEC 61347-2-13:2014+A1

Dear Madame or Sir,

The submitted sample of the product has been tested and in this configuration  
found to be in accordance with the above mentioned requirements.  
Enclosed please find the certificate No. DE 02022104.

Kind regards

Certification body



Yafei Wang

Test sample: no, documentation available

TÜV Rheinland  
LGA Products GmbH

Tillystraße 2  
90431 Nürnberg

Tel. +49 911 655-5225  
Fax +49 911 655-5226  
Mail [service@de.tuv.com](mailto:service@de.tuv.com)  
Web [www.tuv.com/safety](http://www.tuv.com/safety)

Board of Management

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Nuremberg HRB 26013  
VAT No.: DE 811835490

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product

LED Transformer

Name and address of the applicant

Philips Lighting (China) Investment Co., Ltd.  
Building 9, Lane 888 Tianlin Road  
Minhang District, 200233 Shanghai, China

Name and address of the manufacturer

Philips Lighting (China) Investment Co., Ltd.  
Building 9, Lane 888 Tianlin Road  
Minhang District, 200233 Shanghai, China

Name and address of the factory

Ratings and principal characteristics

I/P: AC 220-240V; 50/60Hz; Independent; SELV  
For details, refer to the test report.

Trademark (if any)

PHILIPS

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

LED Transformer 120W 24VDC , LED Transformer 60W 24VDC

Additional information (if necessary may also be reported on page 2)

For model differences, refer to the test report.  
Re-issue of DE 2-022104 dated 31.07.2017,  
due to non-technical change.

A sample of the product was tested and found to be in conformity with

IEC 61347-1:2015  
IEC 61347-2-13:2014+A1

As shown in the Test Report Ref. No. which forms part of this Certificate

50083015 002

This CB Test Certificate is issued by the National Certification Body

TÜV Rheinland LGA Products GmbH  
Tillystraße 2 · 90431 Nürnberg, Germany  
Phone + 49 221 806-1371  
Fax + 49 221 806-3935  
Mail: cert-validity@de.tuv.com  
Web: www.tuv.com

Date: 03.08.2017

Signature:

Yafei Wang



Test Report issued under the responsibility of:



**TEST REPORT**  
**IEC 61347-2-13**  
**Part 2: Particular requirements:**  
**Section 13 – d.c. or a.c. supplied electronic controlgear for**  
**LED modules**

**Report Number.** ..... 50083015 002

**Date of issue** ..... 01.08.2017

**Total number of pages** ..... 6 pages

**Name of Testing Laboratory** ..... TÜV Rheinland / CCIC (Ningbo) Co., Ltd.  
**preparing the Report** ..... 3F, Building C13, R&D Park, No.32 Lane 299 Guanghua Road,  
National Hi-Tech Zone, Ningbo 315048, P.R. China

**Applicant's name** ..... Philips Lighting (China) Investment Co., Ltd.  
**Address** ..... Building 9, Lane 888, Tianlin Road, Minhang District, 200233  
Shanghai, China

**Test specification:**

**Standard** ..... IEC 61347-2-13:2014/AMD1:2016 used in conjunction with  
IEC 61347-1:2015

**Test procedure** ..... CB Scheme

**Non-standard test method** ..... N/A

**Test Report Form No.** ..... IEC61347\_2\_13F

**Test Report Form(s) Originator** ..... Intertek Semko AB

**Master TRF** ..... 2016-10

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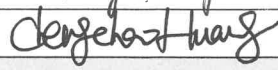
If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

**This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.**

**General disclaimer:**

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

<b>Test item description..... :</b>	LED Transformer	
<b>Trade Mark..... :</b>	<b>PHILIPS</b>	
<b>Manufacturer..... :</b>	Philips Lighting (China) Investment Co., Ltd. Building 9, Lane 888, Tianlin Road, Minhang District, 200233 Shanghai, China	
<b>Model/Type reference..... :</b>	LED Transformer 120W 24VDC, LED Transformer 60W 24VDC	
<b>Ratings..... :</b>	I/P: AC 220-240V; 50/60Hz; Independent; SELV, Details in "General product information".	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/> <b>Testing Laboratory:</b>	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.	
<b>Testing location/ address .....</b>	3F, Building C13, R&D Park, No.32 Lane 299 Guanghua Road, National Hi-Tech Zone, Ningbo 315048, P.R. China.	
<b>Tested by (name, function, signature)..... :</b>	Jing Zheng	
<b>Approved by (name, function, signature) .. :</b>	Chengchao Huang	
<input type="checkbox"/> <b>Testing procedure: CTF Stage 1:</b>		
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature)..... :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<input type="checkbox"/> <b>Testing procedure: CTF Stage 2:</b>		
<b>Testing location/ address .....</b>		
<b>Tested by (name + signature)..... :</b>		
<b>Witnessed by (name, function, signature) .. :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<input type="checkbox"/> <b>Testing procedure: CTF Stage 3:</b>		
<input type="checkbox"/> <b>Testing procedure: CTF Stage 4:</b>		
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature)..... :</b>		
<b>Witnessed by (name, function, signature) .. :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<b>Supervised by (name, function, signature) :</b>		

**List of Attachments (including a total number of pages in each attachment):**

N/A

**Summary of testing:**
**Tests performed (name of test and test clause):**

LED Transformer 120W 24VDC, LED Transformer 60W 24VDC selected to perform all tests.

Result: Pass

**Testing location:**

TÜV Rheinland / CCIC (Ningbo) Co., Ltd.  
3F, Building C13, R&D Park, No.32 Lane 299  
Guanghua Road, National Hi-Tech Zone, Ningbo  
315048, P.R. China.

**Summary of compliance with National Differences:**
**List of countries addressed:**

N/A

☒ The product fulfils the requirements of EN 61347-2-13:2014+A1 used in conjunction with EN 61347-1:2015

# Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

1 N

2

3 L

## PHILIPS

### LED Transformer / LED 控制装置

#### LED Transformer 60W 24VDC

9137 100 322

U <sub>n</sub> : 220-240 V~	U <sub>out</sub> : 24VDC
I <sub>n</sub> : 0.28-0.32 A	P <sub>out</sub> : Max. 60 W
f <sub>n</sub> : 50/60 Hz	t <sub>a</sub> : -20...45 °C
PF: 0.95	t <sub>c</sub> : 85 °C

CE
CCC
SELV
18

IS 15885  
(Part 2/Sec 13)

R-41050946

Philips Lighting, IBRS 10461, 5600VB, NL

Made in China  
中国制造

+ 4  
- 5  
LED

1 N

2

3 L

## PHILIPS

### LED Transformer / LED 控制装置

#### LED Transformer 120W 24VDC

9137 100 325

U <sub>n</sub> : 220-240 V~	U <sub>out</sub> : 24VDC
I <sub>n</sub> : 0.54-0.70 A	P <sub>out</sub> : Max. 120 W
f <sub>n</sub> : 50/60 Hz	t <sub>a</sub> : -20...45 °C
PF: 0.95	t <sub>c</sub> : 90 °C

CE
CCC
SELV
18

IS 15885  
(Part 2/Sec 13)

R-41050946

Philips Lighting, IBRS 10461, 5600 VB, NL

Made in China  
中国制造

+ 4  
- 5  
6  
7  
LED

<b>Test item particulars .....</b>	LED Transformer
<b>Classification of installation and use .....</b>	Independent, SELV controlgear
<b>Supply Connection .....</b>	Terminal block
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N/A
- test object does meet the requirement .....	P (Pass)
- test object does not meet the requirement .....	F (Fail)
<b>Testing .....</b>	
<b>Date of receipt of test item .....</b>	See cover page
<b>Date (s) of performance of tests .....</b>	See cover page
<b>General remarks:</b>	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.  <b>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</b>  <b>Clause numbers between brackets refer to clauses in IEC 61347-1</b>	
<b>Manufacturer's Declaration per sub-clause 4.2.5 of IEC 61347-1:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :	<input type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>Not applicable</b>
<b>When differences exist; they shall be identified in the General product information section.</b>	
<b>Name and address of factory (ies) ..... :</b>	

**General product information:**

1. The tested LED drivers with plastic enclosure are intended to be independent use, suitable for use together with LED lighting source.
2. Input voltage/Frequency: 220-240V~, 50/60Hz.
3. The LED driver provided reinforced insulation between AC input circuit and DC output circuit, between AC input circuit and enclosure.
4. The LED drivers are filled with self-harden material.
5. There are three different colours for terminal block cover: white, orange and blue.

Type or Model No.	Rated input voltage	Max.output current	Rated output voltage (VDC)	Ouput wattage (W)	ta value	tc value	IP
LED Transformer 60W 24VDC	220-240V~ 50/60Hz	2,5A	24VDC	60W	45°C	85°C	20
LED Transformer 120W 24VDC	220-240V~ 50/60Hz	5A	24VDC	120W	45°C	90°C	20