

# 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 : LED driver  
Trade name : PHILIPS  
Types : CertaDrive 36W 0.78A 46V I 230V,  
CertaDrive 38W 0.9A 42V I 230V

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 947556

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 April 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2192216.03

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Wim Singewald  
Certification Manager

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ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	: LED driver
trade name	: PHILIPS
types	: CertaDrive 36W 0.78A 46V I 230V, CertaDrive 38W 0.9A 42V I 230V
rated input voltage	: 220-240 V
rated input current	: see product data per type
rated power	: see product data per type
nature of supply	: ac
rated frequency	: 50/60 Hz
output voltage range	: see product data per type
output current	: see product data per type
output power	: see product data per type
U <sub>out</sub> max	: 60 V <sub>dc</sub>
power factor (Pf)	: 0,9 C
Max. case temperature (t <sub>c</sub> )	: 75° C
ambient temperature range (t <sub>a</sub> )	: 0...+45 °C
description	: Independent LED driver with SELV output circuit

**Additional information**

Constant current type  
With screwless terminal

**Product data - type CertaDrive 36W 0.78A 46V I 230V**

rated input current	: 0,2 A
rated power	: 42 W
output current	: 0,78 A <sub>dc</sub>
output voltage range	: 32-46 V <sub>dc</sub>
output power	: 36 W

**Product data - type CertaDrive 38W 0.9A 42V I 230V**

rated input current	: 0,21 A
rated power	: 45 W
output current	: 0,9 A <sub>dc</sub>
output voltage range	: 32-42 V <sub>dc</sub>
output power	: 38 W

**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 2192216.00.

**Remarks**

For component list refers to annex 1 of test reports 2192216.56.

This certificate supersedes the original certificate 2189726.03, dated 2016-02-15, which is herewith declared invalid.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : J.G.H. Gelink

A blue ink signature, appearing to be "J.G.H. Gelink", written in a cursive style.

Checked by : H.J. te Lindert

A blue ink signature, appearing to be "H.J. te Lindert", written in a cursive style.



**Factory locations**

Hengdian Group Tospo Lighting Co., Ltd.  
Hengdian Electronics Industrial Zone,  
3221118 Dongyang City, Zhejiang Province,  
China

Ningbo Weilinma Electronics Co., Ltd.  
Dongqiao Industrial Zone, Yinzhou District,  
315157 Ningbo City, Zhejiang Province,  
China