

# CERTIFICATE

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

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

Product : LED driver  
Trade name(s) : PHILIPS  
Type(s)/model(s) : Xitanium 150W 0.70A TWE I220, Xitanium 150W 1.05A TWE I220,  
Xitanium Dim 150W 0.70A 1-10V TWE I220,  
Xitanium Dim 150W 0.7A 1-10V TWE I220C and  
Xitanium Dim 150W 1.05A 1-10V TWE I220

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 61347-1:2015, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 62384:2006, EN 62384:2006/A1:2009 and EN 60598-1:2015
- 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 certification mark.

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

This certificate is issued on 22 April 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-103599

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Kreny Lin  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



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

Product	: LED driver
Trade name(s)	: PHILIPS
Type(s)/model(s)	: Xitanium 150W 0.70A TWE I220, Xitanium 150W 1.05A TWE I220, Xitanium Dim 150W 0.70A 1-10V TWE I220, Xitanium Dim 150W 0.7A 1-10V TWE I220C and Xitanium Dim 150W 1.05A 1-10V TWE I220
Rated voltage	: 110-277 Vac
Rated frequency	: 50/60 Hz
Rated input current	: 1,5-0,65 A
Power factor (pf)	: 0,95
Output power	: 150 W
Max. case temperature (tc)	: 85 °C
Ambient temperature range (ta)	: -40...+55 °C
Description	: independent
Degree of protection	: IP66/IP67

**Product data – type Xitanium Dim 150W 0.7A 1-10V TWE I220C,  
Xitanium Dim 150W 0.70A 1-10V TWE I220 and Xitanium 150W 0.70A TWE I220**

Output voltage	: 90-214 Vdc; 300 Vdc Max. open circuit
Output current	: 0,7 A

**Product data – type Xitanium Dim 150W 1.05A 1-10V TWE I220 and Xitanium 150W 1.05A TWE I220**

Output voltage	: 60-143 Vdc; 200 Vdc Max. open circuit
Output current	: 1,05 A

**TESTS****Test requirements**

EN 61347-1:2015  
EN 61347-2-13:2014  
EN 61347-2-13:2014/A1:2017  
EN 62384:2006  
EN 62384:2006/A1:2009  
EN 60598-1:2015

**Test result**

The test results are laid down in DEKRA test file 602800600.

**Additional information**

The insulation between primary and secondary is considered as basic insulation.

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).

This certificate replaces certificate No. 31-100951 which we herewith declare invalid.

The list of components is laid down at test report 6028006.50.



**Conclusion**

The examination proved that all requirements were met.

**Factory locations**

Hengdian Group Tospo Lighting Co., Ltd.  
Hengdian Electronics Industrial Zone  
Dongyang City, Jinhua  
322118 Zhejiang, China

Taiwan Surface Mounting Technology (SuZhou) Co., Ltd.  
No. 888 GanQuan Dong Road  
Economic Technology Development Zone  
WuJiang  
215200 Suzhou, China