

# ENEC LICENCE

**Licence No.** ENEC-00989-A1  
**Page** 1/3  
**Date of Issue** 2015-02-17

**Licence Holder** Philips Lighting B.V.  
High Tech Campus 45  
Eindhoven, 5656 AE Netherlands

**Production site** Philips Lighting Poland S A  
UL PRZEMYSLOWA 29  
PILA, 64-920 Poland

**Certification Mark** See Annex 1

**Certified Product** Built-in LED module

**Model** Fortimo LED Square 380mm 5000lm zcc rrg aaaaa,  
Fortimo LED Line 380 5000lm zcc SQ rrg aaaaa  
See Page 2

**Trademark**

**PHILIPS**

**Rated Voltage / Frequency** -

**Rated Current / Power**

LV: I<sub>max</sub> 1.8 A dc, P<sub>max</sub> 72 W, T<sub>c</sub> 80 °C

HV: I<sub>max</sub> 0.45 A dc, P<sub>max</sub> 72 W, T<sub>c</sub> 80 °C

**Insulation Class** -

**Degree of protection (IP)** -

**Tested acc. to**

EN 62031:2008/A1:2013, EN 62031:2008,  
EN 62471:2008 (Incl. IEC/TR 62471-2 and IEC/TR 62778)

**Test Report No.**

4786567641-1 issued on 2015-01-28, 4786567641-2 issued on  
2015-01-28

**Additional**

See Page 2

**Certification Manager**  
Jan-Erik Storgaard

**Certification Body**

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

UL International Demko A/S, Borupvang 5A, DK-2750  
Ballerup, Denmark, Tel. +45 44 85 65 65, info.dk@ul.com  
www.ul-europe.com



# ENEC LICENCE

**Licence No.** ENEC-00989-A1  
**Page** 2/3  
**Date of Issue** 2015-02-17

## Model Details:

Fortimo LED Line 380 5000lm zcc SQ rrg aaaaa,  
Fortimo LED Square 380mm 5000lm zcc rrg aaaaa

## where:

z = CRI divided by 10;  
cc = color temperature divided by 100;  
rr = voltage configuration: "LV" or "HV";  
g = generation number;  
aaaaa = commercial suffix

## Additional Information:

This Certificate replace earlier issued ENEC certificate No. ENEC-00989 issued on 2014-10-02 due to add new models.

Product Key (rr)	DC Current [mA]	LEDs [No.]	Strings [No.]	Maximum working voltage [Vdc]
LV	1800 ( $V_{f \text{ tot. } 40 \text{ V}}$ )	144	12	275
HV	450 ( $V_{f \text{ tot. } 160 \text{ V}}$ )	144	3	420

Common Ratings: 72 W, Tc: 80°C.

The LED module shall be powered by a LED controlgear IEC/EN 61347-2-13 certified.

The customer is obligated to provide appropriate cooling not to exceed Tc.

The fasteners used to secure the module to a mounting surface must be torqued between 0.6-1.0 Nm.

## Certification Body

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).



# Annex 1 to Licence No.

## ENEC-00989-A1

### Annex of the form of the Mark



\* Identification number of the Certification Body

Size of the mark:

The size of the mark may be reduced on the condition that it remains legible and that the ratio  $b/a=1,7$  is kept

**Certification Body**

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

