

ENEC LICENCE

Licence No. ENEC-01020-A1
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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 Line xxxxlmm zcc DSQ HV/LV aaaaaa, Fortimo LED Square xxxxlmm zcc HV/LV1 aaaaaa, Fortimo LED Line yft xxxxlmm zcc SQ aaaaaa See Page 2
Trademark	PHILIPS
Rated Voltage / Frequency	Imax 1200 mA dc, See page 2
Rated Current / Power	Pmax 63 W, Tc 85 °C, See page 2
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.	4786635517-1 issued on 2015-01-28, 4786635517-2 issued on 2015-01-28, 4786635517-2 issued on 2014-11-25
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with the Service Agreement including without limitation if the Standard Identified on this Certificate is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

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Model Details:

Fortimo LED Line xxxxxlm zcc DSQ HV/LV aaaaa;
Fortimo LED Square xxxxxlm zcc HV/LV1 aaaaa;
Fortimo LED Line yft xxxxxlm zcc SQ aaaaa;

where:

xxxxx = lumen output: number from 750 to 10000;
y = length of module in feet (single digit number);
z = CRI divided by 10 (single digit number);
cc ... = color temperature divided by 100 (double digit number);
aaaaa= alpha/numeric combination, for commercial purposes;

Ratings:

Model	Max DC Current [mA]	Max Power [W]	T _c [°C]	Max LEDs [No.]	Maximum working voltage for insulation to mounting surface [MAX V DC]
Fortimo LED Line xxxxxlm zcc DSQ HV/LV aaaaa * Fortimo LED Square xxxxxlm zcc HV/LV1 aaaaa;	1200 (V _{f tot.} 52 V)	63	85	128	460
Fortimo LED Line yft xxxxxlm zcc SQ aaaaa	400 (V _{f tot.} 48 V)	19	80	64	230

*) Representative model, completely tested.

Additional Information:

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 T_c.
The fasteners used to secure the module to a mounting surface must be torqued to 0,56 Nm.

This Certificate replace earlier issued ENEC certificate No. ENEC-01020 issued on 2014-12-03 due to add new models and new alternative components, update enclosures.

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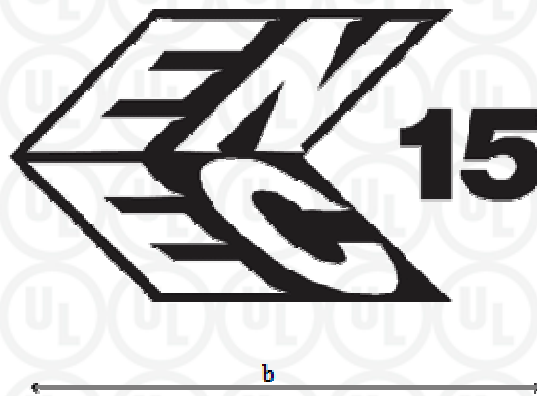
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Annex 1 to Licence No.

ENEC-01020-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

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