

ENEC LICENSE

License No. ENEC-04012-M1

Page 1/4

Date of Issue 2023-03-17

License Holder SIGNIFY NETHERLANDS B.V.
HIGH TECH CAMPUS 48 EINDHOVEN 5656 AE
THE NETHERLANDS

Production site

Certification Mark See Annex 1

Certified Product Built-in LED Module

Model Main series: **Fortimo Edge Lit x u y z c c p d e g a**
See page 2 for additional Information

Trademark PHILIPS or SIGNIFY

Ratings I_{max}: 240 mA $\overline{---}$; U_{max}= 150V; t_c max: 85 °C
See page 3 for additional ratings

Tested acc. to EN IEC 62031:2020, EN IEC 62031:2020/A11:2021

Test Report No. 4790275852 issued on 2023-03-16

Additional Information The report was revised to include technical modifications.
See page 3 for additional information

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with the Service Agreement including without limitation if the Standard identified on this License is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).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.com



ENEC LICENSE

License No. ENEC-04012-M1
Page 2/4
Date of Issue 2023-03-17

Factories:

Additional Model(s):

Series: Fortimo Edge Lit xu y zcc p d eg a,

Product Key:

Model Designation: "Fortimo Edge Lit xu y zcc p d eg a" where:

x	Product length in feet or mm or inch (1-4 digits/characters (for example 1.5 or 102));
u	Measurement unit for product length (two characters, may be "ft" or "mm" or "in");
y	Lumen output classification (may be "LF", or "MF", or "SMF", or "HF", or "VHF");
z	CRI of LED divided by 10 (one digit (or blank when p = "CED"), may be "8" or "9");
cc	Color temperature of LED divided by 100 (two digits, may be between 30 and 65 (or blank when p = "CED");
p	Performance (may be blank or "CED");
d	Connector designator (may be blank or "FC" = front connector);
e	Voltage type (may be "HV" or "LV" or "HV/LV");
g	Number of LED module's generation (one digit, start from "5");
a	a = Commercial suffix for commercial purposes (optional);

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 License is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).



ENEC LICENSE

License No. ENEC-04012-M1

Page 3/4

Date of Issue 2023-03-17

Ratings:

Maximum ratings:

Number of LED	DC Current [mA]	Umax [V]	Power [W]	t _c [°C]	Maximum working voltage for basic insulation to mounting surface [V]
90	240	150	36	85	350

Additional information:

This certificate replaces previous certificate no. ENEC-04012 issued on 2022-04-19, due to:

-Delete factory SIGNIFY ILLUMINACAO BRAZIL LTDA.

-Add factory Signify Poland Sp. z o.o.(Kossaka 150, PILA, 64-920, Poland)

-Add EU group difference and update EN standards

--Test results of assessment of blue light hazard are reported on separate test reports No. 4790267713.2.1_1 according to IEC TR 62778: 2014. The modules are classified as RISK GROUP 1 unlimited.

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 License is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).



Annex 1 to License No.

ENEC-04012-M1

Annex of the form of the Mark



15 is the 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 License is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

