ENEC+ LICENSE

License No. ENEC-04188-P3-PLUS
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Date of Issue 2024-02-21

License Holder	SIGNIFY NETHERLANDS B.V. HIGH TECH CAMPUS 48 EINDHOVEN 5656 AE NETHERLANDS
Production site	See Page 2 for additional information
ENEC License No. (safety)	ENEC License Number (Safety): ENEC-04174-P1 issued on 2024-02-07 Issued by ENEC Member Body: 15, UL International Demko A/S, Borupvang 5A, DK-2750 Ballerup, Denmark
Certification Mark	See Annex 1
Certified Product	Built-in LED Module
Model	Main series: b Strip p w xu y zcc s d egD a See page 3 for additional Information
Trademark	PHILIPS or signify
Ratings	Imax: 1440 mA DC; tc max: 85 °C See page 4 for additional ratings
Complying with the following EPRS standard for performance	PD EPRS 001:2018-05 (based on EN 62717:2017)
EPRS Test Report No.	4791181133.2.1_1 issued on 2024-02-18
Additional Information	This certificate replaces previous certificate no. ENEC-04188-P2-PLUS issued on 2023-11-29

Certification Manager
Thomas Wilson

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with the Service Agreement including without limitation if the Standard identified on this License is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

Certification Body

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

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Factories:

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Additional Model(s):
Product Key:
Main series: b Strip p w xu y zcc s d egD a
Where:

b	family name (may be “CertaFlux LED”, “Fortimo LED”, “FO”)
p	Performance (may be blank or “PR” or “ST” or “VO” or “OC” or “CES” or “ST FT” or “PR FT” or “HLD”);
w	Product width in mm (optional) (two digits, if it is omitted width is 20 mm);
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 = “CES” or “CED”), may be “8” or “9”);
cc	Color temperature of LED divided by 100 (two digits or six characters (or blank when p = “CES” or "CED"),may be a value between 27 to 65 (or “27-865” or “27-965” (when p = “PR FT” or “ST FT”)));
s	Specials (may be blank or “HE” = High Efficiency, or “PW” = Premium White, or “UHE”= Ultra High Efficiency);
d	Connector designator in case of “ft” or “in” (may be blank or “NA” or “1R” or “FC” = front connector or “BC”= back connector);
e	Voltage type (characters, may be “HV” or “LV” or “HV/LV”);
g	Number of LED module’s generation (one or two digits, may be “1” or “2” or “3” or “4” or “4+” or “5” or “6”);
D	D = Connector designator in case of “mm” (may be blank or “F” = front connector, or “B” = back connector);
a	Commercial suffix for commercial purposes (optional, 1-2 digits/characters);

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Ratings:
The maximum ratings for safety testing are shown below:

Product name	Vf (V)	If (mA) DC	P (W)	Uout (V)	tc (°C)
CertaFlux LED HV					
MF	51,4	600	31	350	85
LF	34,5	600	21	350	85

Fortimo LED Strip

Product name	Vf max (V)	If max (mA) DC	Pmax (W)	Uout (V)	tc (°C)
Fortimo LED Strip xft MF zcc d HV6	40/ft	720	17.3/ft	350	85
Fortimo LED Strip xft MF zcc d LV6	36	480/ft	17.3/ft	350	85
Fortimo LED Strip xft LF zcc d HV6	42/ft	480	20.1/ft	350	85
Fortimo LED Strip xft LF zcc d LV6	42	240/ft	10.1/ft	350	85

FO Strip HLD

Product name	Vf max (V)	If max (mA) DC	Pmax (W)	Uout (V)	tc (°C)
FO Strip HLD 1ft HF zcc HE d HV/LV6	44,3	720	31,9	350	75
FO Strip HLD 2ft HF zcc HE d HV6	88,5	720	63,72	350	75
FO Strip HLD 2ft HF zcc d LV6	44,9	1440	64,66	350	75

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Annex 1 to License No.

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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

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