Ref. Certif. No.

DK-132569-M3-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Built-in LED Module
Name and address of the applicant	Signify Netherlands B.V. High Tech Campus 48 Eindhoven 5656 AE Netherlands
Name and address of the manufacturer	Signify Netherlands B.V. High Tech Campus 48 Eindhoven 5656 AE Netherlands
Name and address of the factory	-
Note: *When more than one factory, please report on page 2*	☒ Additional Information on page 2
Ratings and principal characteristics	Imax 1440mA DC ☒ Additional Information on page 3
Trademark / Brand (if any)	PHILIPS or Signify
Customer's Testing Facility (CTF) Stage used	CTF Stage 3
Model / Type Ref.	b Strip p w xu y zcc s d egD a ☒ Additional Information on page 2
Additional information (if necessary may also be reported on page 2)	**Additionally evaluated to:** EN IEC 62031:2020, EN IEC 62031:2020/A11:2021 The report was revised to include technical modifications. National Differences: EU Group Differences ☒ Additional Information on page 3
A sample of the product was tested and found to be in conformity with	IEC 62031:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	4790461965 issued on 2023-08-29

This CB Test Certificate is issued by the National Certification Body

UL Solutions

☐ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☒ UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
☐ UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
☐ UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2023-08-31
Original Issue Date: 2022-09-29

Signature: Thomas Wilson

Factory(ies):

Additional Model Detail(s): b Strip p w xu y zcc s d egD a,
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);

Additional information (if necessary)

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Additional 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

Summary of Modifications:
-Add new models, revised product key, rating table, Annex 2, and Enclosure 2 and 3
-Minor corrected factory's address to align with UL database
See test report for details

Additional information (if necessary)

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