



Ref. Certif. No.

**DK-152001-P3-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

Ratings and principal characteristics

Imax: 1,5 A

☒ Additional Information on page 3-6

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

**Fortimo FastFlex** *t NxK/zcc XXXxYYY v p Gg a*

☒ Additional Information on page 2, 5

Additional information (if necessary may also be reported on page 2)

☐ Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62717:2014, IEC 62717:2014/AMD1:2015, IEC 62717:2014/AMD2:2019

As shown in the Test Report Ref. No. which forms part of this Certificate

4791559720.4.1\_2 issued on 2025-02-24

This CB Test Certificate is issued by the National Certification Body



- ☐ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☒ UL Solutions (Denmark), 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](http://www.ul.com/ncbnames)

Date: 2025-02-26

Signature:

Thomas Wilson



Ref. Certif. No.

**DK-152001-P3-UL**

**Factory(ies):**

**Additional Model Detail(s):**

**Product Key:**

**Main series: Fortimo FastFlex *t NxK/zcc XXXxYYY v p Gg a***

Where:

- t* = Product type (may be "LED" or "LED board" or blank);  
*N* = Number of LEDs in width (one digit, may be a value between 1 and 6);  
*x* = Fixed character;  
*K* = Number of LEDs in length (one or two digits, may be a value between 1 and 16);  
*z* = CRI of LED divided by 10 (one digit, may be "7" or "8");  
*cc* = Color temperature of LED divided by 100 (two digits, may be between 22 and 65);  
*XXXx* = Width of module in mm or blank;  
*YYY* = Length of module in mm or blank;  
*v* = Alphanumerical version indication of module (may be "DA" or "DAX" or "DS" or "DP" or "DPX" or "X" or "DC" or "DAS" or "DHE" or "VO" or blank);  
*p* = **Alphanumerical version indication of module performance (maybe "HE", "UHE" or "CR" or blank)**  
*G* = Fixed character, (if p= "HE" or "UHE" or "CR", blank)  
*g* = Number of LED module's generation (one or two characters, may be "1", "3" or "4", "4+", "5" or blank);  
*a* = Commercial suffix for commercial purposes (optional)

**Additional information (if necessary)**



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**Additional Ratings:**

Maximum safety rating:

Field v on the Product Key	DC Current [A]	Power [W]	Tc [°C]	Maximum working voltage for basic insulation to mounting surface [V]	With Secondary Optics
LED Module's Generation 3					
Blank	1,05	55	85	680	Yes
DA	1,05	55	85	400(*)	No(*)
DS	1,05	55	85	200	No
LED Module's Generation 4					
Blank or X	1,5	75	85	680	Yes
DA or DAX	1,5	75	105	330(*)	No(*)
DP or DPX	1,5	75	105	670	No
DA(**)	1,05	163,8	85	330(*)	No(*)
DC	1,5	72	100	340	No
DAS	1,05	52,5	85	400(*)	No(*)
DHE	0,72	37,44	95	260(*)	No(*)
LED Module's Generation 4+					
Blank	1,5	75	85	575	Yes
DA	1,5	75	105	330(*)	No(*)
DP	1,5	56,3	105	575	No
LED Module's Generation 1					
VO	1,2	58,32	90	260	No
LED Module's Generation 5					
Blank	1,5	90	85	575	No
DA	1,5	90	95	575	No
DP	1,5	67,5	95	575	No
For LED module's p = "HE"					
DA	1,5	75	95	575	No
DP	1,5	112,5	95	575(***)	No
For LED module's p = "UHE" or "CR"					
DA	1,5	75,8	95	575	No
(*) : See additional information on safety CBTR no. 4789703406-1 for details. (**) : For modules having field a = "Trilux" (***) : For Modules having field "NxK" = 3x8, the max working voltage is 420V;					

**Additional information (if necessary)**


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## Performance Rating:

Field v on the Product Key	Max Current [A]	Power [W]	Max Luminous Flux [lm]	T <sub>p</sub> Max [°C]	CCT [K]	CRI	Efficacy [lm/W]
<b>LED Module's Generation 4 or 4+</b>							
Blank or X DA or DAX DP or DPX	1,5	71,8	8004	105	2700-6500	70 80	93-124
DHE	0,7	30	5000	90	3000-4000	80	166
DC	1,5	70	8496	85	2700-5000	70 80	83-121
<b>LED Module's Generation 1</b>							
VO	1,2	50,8	8390	90	4000-5000	70 80	153
<b>LED Module's Generation 3</b>							
Blank	0,7	55	5500	85	2700-5000	70 80	120
DA	0,7	55	5500	85	2700-5000	70 80	120
DS	0,7	55	5500	85	2700-5000	70 80	120
<b>LED Module's Generation 5</b>							
DA	1,05	52,5	5533	95	2200-6500	70 80	131
DP	1,05	39,375	4998	95	3000-5700	70 80	151

## Additional information (if necessary)

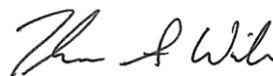


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**LED Module's p="HE"**

DA	1,2	60	8853	95	2700-4000	70	132
DP	1,2	82,08	10648	95	2700-4000	70	150

**For LED module's p="UHE"**

DA	0,7	60	10428	95	2700-4000	70	188
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**For LED module's p="CR"**

DA	0,9	60	6100	85	3000-4000	70	146
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Ambient Temperature range: -40 °C to 50 °C

**Additional Model Detail(s):**

Product Key:

**Variant series: Fortimo FastFlex t NxKup/zcc XXXxYYY v Gg a**

Where:

- t = Product type (may be "LED" or "LED board" or blank);
- N = Number of Cluster of LEDs (one digit, may be a value between 2 and 4);
- x = Fixed character;
- K = Number of LEDs for each Cluster (one or two digits, may be "8" or "16");
- up = Fixed character;
- z = CRI of LED divided by 10 (one digit, may be "7" or "8");
- cc = Color temperature of LED divided by 100 (two digits, may be between 22 and 57);
- XXXx = Width of module in mm or blank;
- YYY = Length of module in mm or blank;
- v = Alphanumeric version indication of module (may be "PR" or "DHL");
- G = Fixed character;
- g = Number of LED module's generation (one character, may be "5");
- a = Commercial suffix for commercial purposes (optional)

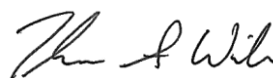
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**Additional Ratings:**
**Maximum ratings:**

Field v on the Product Key	DC Current [A]	Power [W]	t <sub>c</sub> [°C]	Maximum working voltage for basic insulation to mounting surface [V]	With Secondary Optics
<b>LED Module's Generation 5</b>					
PR	1,05	56,7	95	575	No
DHL	1,05	56,7	95	575	No

**Performance ratings:**

Field v on the Product Key	Max Current [A]	Power [W]	Max Luminous Flux [lm]	T <sub>p</sub> Max [°C]	CCT [K]	CRI	Efficacy [lm/W]
DHL	1,05	56,7	6400	85	3000-5000	70 80	113
PR	1,05	56,7	7600	85	2700-5700	70 80	134

Ambient Temperature range: -40 °C ÷ 50 °C

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