

# ENEC+ License

## License

ENEC-01358-P11-  
PLUS

## Issue date

2025-02-25



This is to acknowledge that

**SIGNIFY NETHERLANDS B.V.**

HIGH TECH CAMPUS 48 EINDHOVEN 5656 AE NETHERLANDS

has had

**Built-in LED Module**

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

See page 3 and 5 for additional Information

evaluated and meets the requirements of the EPRS standard

**PD EPRS 001:2018-05 (based on EN 62717:2017)**

Test Report Nos. 4791559720.4.1\_1 issued on 2025-02-24

ENEC License No.(Safety): ENEC-01358-P5 issued on 2024-12-16

Issued by ENEC Member Body: 15, UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark

Certification Manager

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See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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License No. ENEC-01358-P11-PLUS  
Date of Issue 2025-02-25

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## TECHNICAL DETAILS

Production site(s)

Trademark

PHILIPS or  or ADVANCE or  


Ratings

I<sub>max</sub>: 1,5 A<sub>==</sub>  
See page 3-5

Additional Information

This certificate replaces previous certificate no. ENEC-01358-P10-PLUS issued on 2024-11-21

Models (continued from page 1) Series:

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* = Alphanumeric 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* = Alphanumeric 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)

Maximum safety rating:

Field <i>v</i> 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 3</b>					
Blank	1,05	55	85	680	Yes
DA	1,05	55	85	400(*)	No(*)
DS	1,05	55	85	200	No
<b>LED Module's Generation 4</b>					
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(*)
<b>LED Module's Generation 4+</b>					
Blank	1,5	75	85	575	Yes
DA	1,5	75	105	330(*)	No(*)
DP	1,5	56,3	105	575	No
<b>LED Module's Generation 1</b>					
VO	1,2	58,32	90	260	No
<b>LED Module's Generation 5</b>					
Blank	1,5	90	85	575	No
DA	1,5	90	95	575	No
DP	1,5	67,5	95	575	No
<b>For LED module's p="HE"</b>					
DA	1,5	75	95	575	No
DP	1,5	112,5	95	575(***)	No
<b>For LED module's p="UHE" or "CR"</b>					
DA	1,5	75.8	95	575	No
(*) : See additional information (**) : For modules having field a="Trilux" (***) : For Modules having field "NxK"=3x8, the max working voltage is 420V;					

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]
<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
<b>LED Module's p="HE"</b>							
DA	1,2	60	8853	95	2700-4000	70	132
DP	1,2	82,08	10648	95	2700-4000	70	150
<b>For LED module's p="UHE"</b>							
DA	0,7	60	10428	95	2700-4000	70	188
<b>For LED module's p="CR"</b>							
DA	0,9	60	6100	85	3000-4000	70	146
Ambient Temperature range: -40 °C to 50 °C							

**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)

**Maximum ratings:**

Field <i>v</i> on the Product Key	DC Current [A]	Power [W]	<i>t<sub>c</sub></i> [°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 <i>v</i> on the Product Key	Max Current [A]	Power [W]	Max Luminous Flux [lm]	<i>T<sub>p</sub></i> 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 to 50 °C

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### FORM OF THE ENEC+ 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