

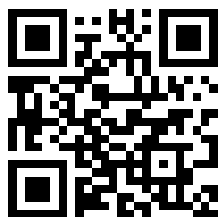
# ENEC License

## License

ENEC-03052-P1-M1

## Issue date

2024-09-10



This is to acknowledge that

**SIGNIFY NETHERLANDS B.V.**

HIGH TECH CAMPUS 48 EINDHOVEN 5656 AE NETHERLANDS

has had

**Constant Current Built-in LED Module**

**Fortimo LED Square ylm zcc d HV/LVg a**

See page 3 for additional Information

evaluated and meets the requirements of the standard

**EN IEC 62031:2020, EN IEC 62031:2020/A11:2021**

Test Report Nos. 4790778539-2 issued on 2024-09-04

Certification Manager

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

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# ENEC LICENSE


## TECHNICAL DETAILS

Production site(s)


Trademark

**PHILIPS** or  or **ADVANCE**

Ratings

I<sub>max</sub>: 1920 mA , t<sub>c</sub> max: 85 °C (see test report for detailed ratings)

Maximum ratings of the series:

model	DC Current [mA 
HV/LV2 (Max 2500lm)	700
HV/LV2 (Max 3500lm)	1200
HV/LV3 (Max 2500lm)	700
HV/LV3 (Max 1250lm)	400
HV/LV4 (t="S")	960
HV/LV4 (t="DS")	1920
HV 4 (t="S")	480
HV 4 (t="DS")	960

Power [W]	Number of LEDs	t <sub>c</sub> [°C]	Max. working voltage for basic insulation to mount. surface [V]
34,8	128	80	420
42,1	132	80	350
36,4	256	80	320*
20,8	128	80	320*
46,1	64	85	350
92,3	128	85**	350
46,2	64	85	350
92,3	128	85	350

NOTE: "HV/LV" term above indicates that the module can be used in both HV mode or LV mode.

\*: for CED version, Max working voltage is 350V.

\*\* for S=UHE, the t<sub>c</sub> of the product is 65C.

**Additional Information**

The report was revised to include technical modifications.

This Certificate replaces earlier issued ENEC Certificate No. ENEC-03052-P1 dated 2023-03-20 due to:  
Add the additional models, update rating, product key, Annex 2, Enclosure 2 and 4.

**Models (continued from page 1)**

Product Key:

**Fortimo LED Square** *y l m z c c d H V / L V g a*

Where:

*y* = Lumen output (three or four digits).

*z* = CRI of LED divided by 10 (one digit, may be "8" or "9").

*cc* = Color temperature of LED divided by 100 (two digits, may be between 27 and 65) or "27-865" or "27-965".

*d* = Connector designator (may be blank or "FC" = front connector or "BC" = back connector).

*g* = Number of LED module's generation (one digit, may be "2" or "3").

*a* = Commercial suffix for commercial purposes (optional)

**Variant Series: Fortimo LED Square** *t p y z c c s d e g a*

Where:

*t* = Size classification (may be "S" or "DS")

*p* = Performance (may be blank or "CED").

*y* = Lumen output classification, may be "LF", or "MF", or "SMF", or "HF", or "VHF", or blank.

*z* = CRI of LED divided by 10 (one digit, may be "8" or "9" (or blank when *p* = "CED")).

*cc* = Color temperature of LED divided by 100 (two digits, may be between 30 and 65 (or blank when *p* = "CED"), or maybe a value between 27 to 65 (or "27-865" or "27-965").

*s* = Specials, may be blank or "HE" = High Efficiency, or "PW" = Premium White, or "UHE" = Ultra High Efficiency.

*d* = Connector designator (may be blank or "FC" = front connector or "BC" = back connector).

*e* = Voltage type (may be "HV" or "LV" or "HV/LV").

*g* = Number of LED module's generation (one digit, may be "1" or "2" or "3" or "4").

*a* = Commercial suffix for commercial purposes (optional, 1-2 digits/characters)

## ENEC LICENSE 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.