

License

ENEC-04944

Issue date

2024-07-03





This is to acknowledge that

# SIGNIFY NETHERLANDS B.V.

HIGH TECH CAMPUS 48 EINDHOVEN 5656 AE THE NETHERLANDS

has had

# **Constant Voltage Built-in LED Module**

InteGrade S WB v xmm cz n Gg s

See page 2-3 for additional Information

evaluated and meets the requirements of the standard

EN IEC 62031:2020, EN IEC 62031:2020/A11:2021, EN 62262:2002, EN 62262:2002/A1:2021

Test Report Nos. 4791250693.1 issued on 2024-06-24

f Will

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# **ENEC LICENSE TECHNICAL DETAILS**

## Production site(s)

**Trademark** PHILIPS or Signify

**Ratings** 24 V DC Pmax: 21,2 W tc: 55 °C IK02

See Variants below

**Additional Information** This certificate replaces the certificate no. ENEC-02945 issued on

2020-02-03.

Models (continued from page 1)

## **Product Key:**

# InteGrade S WB v xmm cz n Gg s

#### Where:

= Version of LED Module (may be "Va" (Value) or "Vi" (Vision) or "LP" (Low Power)); V = Module length in mm (three or four digits, may be "130" or "250" or "850" or "1175"); Χ = CRI of LED divided by 10 (one character, may be "8" or "9" or "W" (Warm) or blank); С = CCT of LED module divided by 100 (two characters, may be a value between 22

and 65 or "WR" (White Red) or "XR" (Extra Red));

n = Color nuance (may be "PW" (Premium White) or blank); = Number of LED Module's Generation (may be "1"); g = Commercial suffix for commercial purposes (optional) s

# **Maximum ratings:**

Length [mm]	Power [W]	Number of LEDs
1175	21,2	196
850	14,4	140
250	4,3	42
130	2,3	21



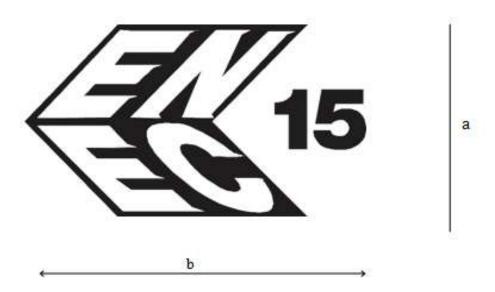
## License No. ENEC-04944 Date of Issue 2024-07-03

#### **Additional Information:**

- The LED Module shall be energized only by a separately approved power supply 24 V=== constant voltage, SELV and short-circuit proof. The connection to power supply shall be made by the DC plug with connecting leads (tails) provided with the Module.
- When two or more LED Modules are connected in a daisy chain configuration (string) the total maximum load of daisy chain shall be 100 W (Maximum supply current: 4,2 A).
- The customer is obligated to add an appropriated cooling system to the LED Module in order to not exceed  $t_c$  value.
- Connecting leads of the Module shall be considered as "internal wiring" on the appliances in which the Module will be installed.
- The Module has been evaluated according to IEC TR 62778: 2014: Risk Group 1 Unlimited.
- The Module (as required by the client) has been also evaluated according to clause 4.14.1 of IEC/EN 60598-1 Standard, clauses 21.1, 22.31 and 30.2 of IEC/EN 60335-1 standard, clauses 7.1, 19.104 and Annex CC of IEC/EN 60335-2-24 standard, clauses 7.1, 19.103 and Annex BB of IEC/EN 60335-2-89 standard.
- The Module (as required by the client) have been also evaluated according to IEC 62262 (ed. 1.1) and IEC 60068-2-75 (ed. 2): IK 02 test performed with positive results.



# 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.

