

CERTIFICATE

Issued to:
Applicant:
MST Sp. z o.o. Sp. k.
Ul. B. Chrobrego 8
11-400 Ketrzyn, Poland

Licensee:
MST Sp. z o.o. Sp. k.
Ul. B. Chrobrego 8
11-400 Ketrzyn, Poland

Product : Built-in LED modules
Trade name(s) : MST
Type(s)/model(s) : RecLED outdoor series

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to PD EPRS 001:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6065224

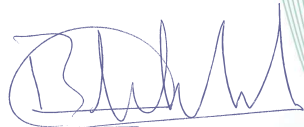
DEKRA hereby grants the right to use the ENEC+ certification mark.

The ENEC+ certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC+ certification agreement and based on ENEC certificate no 71-114800 REV.1.

This certificate is issued on 14 August 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-130168

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



S.L. Vasylyeva
Certification Manager

© Integral publication of this certificate is allowed



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Built-in LED modules
Trade name(s)	: MST
Type(s)/model(s)	: RecLED outdoor series
Model	: RecLED
Rated current	: I _{in} : 460-1600 mA
Rated voltage/nature of supply	: U _n : 11-300 Vdc
Rated power range	: P _n : 5-131 W
Max. case temperature	: t _c : 95 °C
Colour temperature (CCT)	: CCT for: - CREE 5050: 2700K, 3000K, 3500K, 4000K, 5000K, 5700K and 6500K - OSRAM DURIS S8: 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K - OSRAM OSLO _N Square: 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K and 6500K - Samsung LH351: 2700K, 3000K, 3500K, 4000K, 5000K, 5700K and 6500K
Colour rendering index (CRI)	: CREE 5050: CRI70 and CRI80 OSRAM DURIS S8: CRI70: 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K CRI80: 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K OSRAM OSLO _N Square: CRI70: 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, 5700K and 6500K CRI80: 2700K, 3000K, 3500K, 4000K, 5000K and 5700K CRI90: 2700K, 3000K, 3500K, 4000K, 5000K, 5700K and 6500K Samsung LH351: CRI70: 2700K, 3000K, 3500K, 4000K, 5000K, 5700K and 6500K CRI80: 2700K, 3000K, 3500K, 4000K, 5000K and 5700K CRI90: 2700K, 3000K, 3500K, 4000K and 5000K
Luminaire type (type A, type B or type C)	: Type A
Description	: Built-in LED module

TESTS**Test requirements**

PD EPRS 001:2018

Test result

The test results are laid down in DEKRA test file 226676900.

Additional information

The list of components is laid down in test report 2266769.51.

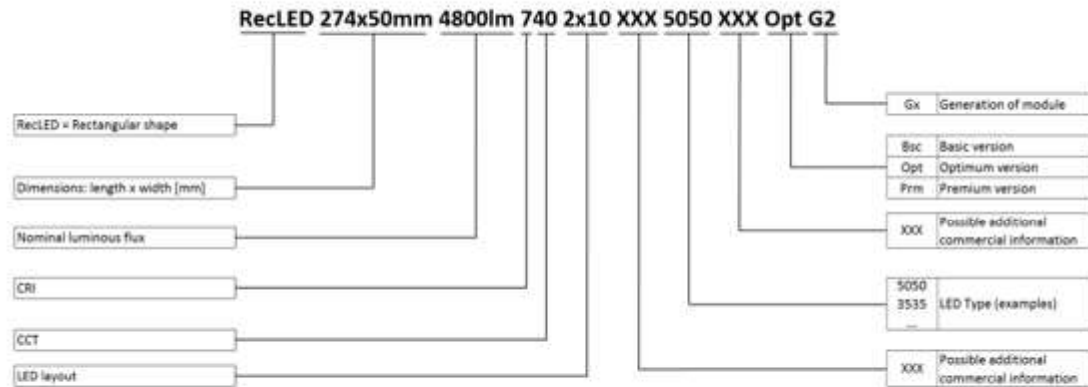
Conclusion

The examination proved that all requirements were met.

Factory location

MST Sp. z o.o. Sp. k.
Ul. B. Chrobrego 8
11-400 Ketrzyn, Poland

Family products key:



Explanation:

- RecLED** = Shape of the LED module (RecLED = Rectangular)
- 274x50mm** = Sizes of the LED module (length from 70mm to 427mm and width from 45mm to 248mm)
- 4800lm** = nominal lumen output (900 – 24000 lm)
- 7** = Colour Rendering Index (7 - CRI>70; 8 - CRI>80; 9 - CRI>90; 95 - CRI>95)
- 40** = Correlated Colour Temperature 40 = 4000K (range: 1800 – 6500K)
- 2x10** = LED layout (Row x Column)
- XXX** = Possible additional commercial information (for example IP means that module is dedicated for IP rated lenses)
- 5050** = LED Type (3535, 5050, ...)
- XXX** = Possible additional commercial information (for example NTC means that module includes temperature sensor, CK means LED type information, etc.)
- Opt** = Version (Bsc, Opt or Prm)
 - Bsc = Basic
 - Opt = Optimum
 - Prm = Premium
- G2** = Generation of module (G1, G2, G3, ...)

Input parameter for the family:

Un: 11 – 300 Vdc
 In: 460 – 1600 mA
 Pn: 5 – 131 W
 Tc: 95 °C

Example names of LED modules:

- RecLED 122x50mm 1900lm 730 2x4 Opt G2
- RecLED 146x45mm 2900lm 740 2x6 IP Opt G2
- RecLED 173x50mm 2900lm 740 2x6 5050 CK G1
- RecLED 224x50mm 3800lm 765 2x8 NTC Opt G1
- RecLED 224x50mm 3800lm 740 2x8 3535 Opt G2
- RecLED 224x202mm 15200lm 765 8x8 Opt G1