

CERTIFICATE

Issued to:
Applicant:
TM Technologie sp. z.o.o.
Morawica 355
32-084 Morawica, Poland

Licensee:
TM Technologie sp. z.o.o.
Morawica 355
32-084 Morawica, Poland

Product : Emergency luminaires (centrally supplied) with LED's
Trade name(s) : TM TECHNOLOGIE
Type(s)/model(s) : TM.ONTEC R... series

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

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

- a type test according to EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN IEC 60598-2-22:2022 and EN 60598-2-2:2012
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2173187

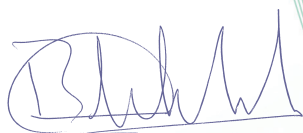
DEKRA hereby grants the right to use the ENEC certification mark.

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.

This certificate is issued on 1 August 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-142033

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Emergency luminaires (centrally supplied) with LED's
Trade name(s)	: TM TECHNOLOGIE
Type(s)/model(s)	: TM.ONTEC R C1 02 CB, TM.ONTEC R C1 02 CB+, TM.ONTEC R C1 02 CBA, TM.ONTEC R C1 02 CBM, TM.ONTEC R C1 CB, TM.ONTEC R C1 CB+, TM.ONTEC R C1 CBA, TM.ONTEC R C1 CBM, TM.ONTEC R C2 05 CB, TM.ONTEC R C2 05 CB+, TM.ONTEC R C2 05 CBA, TM.ONTEC R C2 05 CBM, TM.ONTEC R E1 01 CB, TM.ONTEC R E1 01 CB+, TM.ONTEC R E1 01 CBA, TM.ONTEC R E1 01 CBM, TM.ONTEC R F1 02 CB, TM.ONTEC R F1 02 CB+, TM.ONTEC R F1 02 CBA, TM.ONTEC R F1 02 CBM, TM.ONTEC R F1 CB, TM.ONTEC R F1 CB+, TM.ONTEC R F1 CBA, TM.ONTEC R F1 CBM, TM.ONTEC R F2 05 CB, TM.ONTEC R F2 05 CB+, TM.ONTEC R F2 05 CBA, TM.ONTEC R F2 05 CBM, TM.ONTEC R M1 CB, TM.ONTEC R M1 CB+, TM.ONTEC R M1 CBA, TM.ONTEC R M1 CBM, TM.ONTEC R M2 02 CB, TM.ONTEC R M2 02 CB+, TM.ONTEC R M2 02 CBA, TM.ONTEC R M2 02 CBM, TM.ONTEC R M5 05 CB, TM.ONTEC R M5 05 CB+, TM.ONTEC R M5 05 CBA, TM.ONTEC R M5 05 CBM, TM.ONTEC R S1 02 CB, TM.ONTEC R S1 02 CB+, TM.ONTEC R S1 02 CBA, TM.ONTEC R S1 02 CBM, TM.ONTEC R S1 CB, TM.ONTEC R S1 CB+, TM.ONTEC R S1 CBA, TM.ONTEC R S1 CBM, TM.ONTEC R S2 05 CB, TM.ONTEC R S2 05 CB+, TM.ONTEC R S2 05 CBA, TM.ONTEC R S2 05 CBM, TM.ONTEC R W1 02 CB, TM.ONTEC R W1 02 CB+, TM.ONTEC R W1 02 CBA, TM.ONTEC R W1 02 CBM, TM.ONTEC R W1 CB, TM.ONTEC R W1 CB+, TM.ONTEC R W1 CBA, TM.ONTEC R W1 CBM, TM.ONTEC R W2 05 CB, TM.ONTEC R W2 05 CB+, TM.ONTEC R W2 05 CBA and TM.ONTEC R W2 05 CBM
Rated voltage	: 210-250 Vac / 186-254 Vdc
Rated frequency	: 0; 50-60 Hz
Class	: II
Degree of protection	: IP20
Color temperature	: 5700 K
Description	: centrally supplied luminaires

Product data – type TM.ONTEC R C2 05 CB, TM.ONTEC R F2 05 CB, TM.ONTEC R M5 05 CB, TM.ONTEC R S2 05 CB and TM.ONTEC R W2 05 CB

Ambient temperature range (ta)	: -15 °C to +55 °C
Rated power	: 7,7 W

Product data – type TM.ONTEC R E1 01 CB

Ambient temperature range (ta)	: -15 °C to +55 °C
Rated power	: 1,9 W

Product data – type TM.ONTEC R E1 01 CB+

Ambient temperature range (ta)	: -15 °C to +55 °C
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Rated power : 2,1 W

Product data – type TM.ONTEC R E1 01 CBA

Ambient temperature range (ta) : -10 °C to +40 °C

Rated power : 2,4 W

Product data – type TM.ONTEC R E1 01 CBM

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 2,2 W

Product data – type TM.ONTEC R C1 CB+, TM.ONTEC R F1 CB+, TM.ONTEC R M1 CB+, TM.ONTEC R S1 CB+ and TM.ONTEC R W1 CB+

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 4,1 W

Product data – type TM.ONTEC R C1 CBM, TM.ONTEC R F1 CBM, TM.ONTEC R M1 CBM, TM.ONTEC R S1 CBM and TM.ONTEC R W1 CBM

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 4,1 W

Product data – type TM.ONTEC R C1 CB, TM.ONTEC R F1 CB, TM.ONTEC R M1 CB, TM.ONTEC R S1 CB and TM.ONTEC R W1 CB

Ambient temperature range (ta) : -15°C to +55°C

Rated power : 4,5 W

Product data – type TM.ONTEC R C1 CBA, TM.ONTEC R F1 CBA, TM.ONTEC R M1 CBA, TM.ONTEC R S1 CBA and TM.ONTEC R W1 CBA

Ambient temperature range (ta) : -10°C to +40°C

Rated power : 5,5 W

Product data – type TM.ONTEC R C1 02 CB+, TM.ONTEC R F1 02 CB+, TM.ONTEC R M2 02 CB+, TM.ONTEC R S1 02 CB+ and TM.ONTEC R W1 02 CB+

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 3,3 W

Product data – type TM.ONTEC R C1 02 CBM, TM.ONTEC R F1 02 CBM, TM.ONTEC R M2 02 CBM, TM.ONTEC R S1 02 CBM and TM.ONTEC R W1 02 CBM

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 3,4 W

Product data – type TM.ONTEC R C1 02 CB, TM.ONTEC R F1 02 CB, TM.ONTEC R M2 02 CB, TM.ONTEC R S1 02 CB and TM.ONTEC R W1 02 CB

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 4,6 W

Product data – type TM.ONTEC R C1 02 CBA, TM.ONTEC R F1 02 CBA, TM.ONTEC R M2 02 CBA, TM.ONTEC R S1 02 CBA and TM.ONTEC R W1 02 CBA

Ambient temperature range (ta) : -10 °C to +40 °C

Rated power : 5,2 W

Product data – type TM.ONTEC R C2 05 CB+, TM.ONTEC R F2 05 CB+, TM.ONTEC R M5 05 CB+, TM.ONTEC R S2 05 CB+ and TM.ONTEC R W2 05 CB+

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 5,8 W

Product data – type TM.ONTEC R C2 05 CBM, TM.ONTEC R F2 05 CBM, TM.ONTEC R M5 05 CBM, TM.ONTEC R S2 05 CBM and TM.ONTEC R W2 05 CBM

Ambient temperature range (ta) : -15 °C to +55 °C

Rated power : 5,6 W

Product data – type TM.ONTEC R C2 05 CBA, TM.ONTEC R F2 05 CBA, TM.ONTEC R M5 05 CBA, TM.ONTEC R S2 05 CBA and TM.ONTEC R W2 05 CBA

Ambient temperature range (ta) : -10 °C to +40 °C

Rated power : 8,2 W

TESTS

Test requirements

EN IEC 60598-1:2021

EN IEC 60598-1:2021/A11:2022

EN IEC 60598-2-22:2022

EN 60598-2-2:2012

Test result

The test results are documented in DEKRA test file 343207700.

Additional information

This certificate replaces certificate No. 88-128811 which we hereby declare invalid.

The list of components is laid down in test report 3432077.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

The factory location is registered with the number 13932.

Production key:

TM.ONTEC R Xn pp w

Code	possible variants	description
X	M	without optics
	C	with Emerald-A optic
	W	with Strada-FT optic
	S	with Strada-SQ-VSM optic
	F	with Flare-MINI optic
	E	luminaire with evacuation sign
n	1	1 LED for C,W,F,S or 8 LED for E
	2	010293, 2 LED for C,W,F,S or 1 LED for M
	5	010293, 2 LED for M
pp	01	LED-power 1 W
	02	LED-power 2 W
	05	LED-power 5 W
	(blank)	Models M1(C1,W1,S1,F1)
w	CB	without additional module
	CBA	version with addressable module 010311
	CB+	central battery with no addressable module (supports modified mode - the possibility of non-maintained operation)
	CBM	central battery with addressable module and modulated transmission