

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 (self-contained) with LED's
Trade name(s) : TM TECHNOLOGIE
Type(s)/model(s) : TM.ONTEC R... 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 EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN 60598-2-2:2012, EN 60598-2-22:2014 and EN 60598-2-22:2014/A1:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2173187

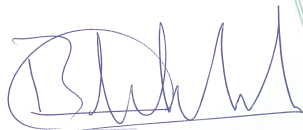
DEKRA hereby grants the right to use the ENEC certification mark.

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 15 June 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-128814

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Emergency luminaires (self-contained) with LED's
Trade name(s)	: TM TECHNOLOGIE
Type(s)/model(s)	: TM.ONTEC R C1U 101 NM ST, TM.ONTEC R C1U 301 NM ST, TM.ONTEC R C1 102 M w, TM.ONTEC R C1 102 M w COLD, TM.ONTEC R C1 102 NM w, TM.ONTEC R C1 102 NM w COLD, TM.ONTEC R C1 180 M v, TM.ONTEC R C1 180 NM v, TM.ONTEC R C1 302 M w, TM.ONTEC R C1 302 M w COLD, TM.ONTEC R C1 302 NM w, TM.ONTEC R C1 302 NM w COLD, TM.ONTEC R C1 60 M v, TM.ONTEC R C1 60 NM v, TM.ONTEC R C2 105 M w, TM.ONTEC R C2 105 M w COLD, TM.ONTEC R C2 105 NM w, TM.ONTEC R C2 105 NM w COLD, TM.ONTEC R C2 305 M w, TM.ONTEC R C2 305 NM w, TM.ONTEC R E1 301 M w, TM.ONTEC R E1 301 NM w, TM.ONTEC R F1U 101 NM ST, TM.ONTEC R F1U 301 NM ST, TM.ONTEC R F1 102 M w, TM.ONTEC R F1 102 M w COLD, TM.ONTEC R F1 102 NM w, TM.ONTEC R F1 102 NM w COLD, TM.ONTEC R F1 180 M v, TM.ONTEC R F1 180 NM v, TM.ONTEC R F1 302 M w, TM.ONTEC R F1 302 M w COLD, TM.ONTEC R F1 302 NM w, TM.ONTEC R F1 302 NM w COLD, TM.ONTEC R F1 60 M v, TM.ONTEC R F1 60 NM v, TM.ONTEC R F2 105 M w, TM.ONTEC R F2 105 M w COLD, TM.ONTEC R F2 105 NM w, TM.ONTEC R F2 105 NM w COLD, TM.ONTEC R F2 305 M w, TM.ONTEC R F2 305 NM w, TM.ONTEC R M1U 101 NM ST, TM.ONTEC R M1U 301 NM ST, TM.ONTEC R M1 180 M v, TM.ONTEC R M1 180 NM v, TM.ONTEC R M1 60 M v, TM.ONTEC R M1 60 NM v, TM.ONTEC R M2 102 M w, TM.ONTEC R M2 102 M w COLD, TM.ONTEC R M2 102 NM w, TM.ONTEC R M2 102 NM w COLD, TM.ONTEC R M2 302 M w, TM.ONTEC R M2 302 M w COLD, TM.ONTEC R M2 302 NM w, TM.ONTEC R M2 302 NM w COLD, TM.ONTEC R M5 105 M w, TM.ONTEC R M5 105 M w COLD, TM.ONTEC R M5 105 NM w, TM.ONTEC R M5 105 NM w COLD, TM.ONTEC R M5 305 M w, TM.ONTEC R M5 305 NM w, TM.ONTEC R S1U 101 NM ST, TM.ONTEC R S1U 301 NM ST, TM.ONTEC R S1 102 M w, TM.ONTEC R S1 102 M w COLD, TM.ONTEC R S1 102 NM w, TM.ONTEC R S1 102 NM w COLD, TM.ONTEC R S1 180 M v, TM.ONTEC R S1 180 NM v, TM.ONTEC R S1 302 M w, TM.ONTEC R S1 302 M w COLD, TM.ONTEC R S1 302 NM w, TM.ONTEC R S1 302 NM w COLD, TM.ONTEC R S1 60 M v, TM.ONTEC R S1 60 NM v, TM.ONTEC R S2 105 M w, TM.ONTEC R S2 105 M w COLD, TM.ONTEC R S2 105 NM w, TM.ONTEC R S2 105 NM w COLD, TM.ONTEC R S2 305 M w, TM.ONTEC R S2 305 NM w, TM.ONTEC R W1U 101 NM ST, TM.ONTEC R W1U 301 NM ST, TM.ONTEC R W1 102 M w, TM.ONTEC R W1 102 M w COLD, TM.ONTEC R W1 102 NM w, TM.ONTEC R W1 102 NM w COLD, TM.ONTEC R W1 180 M v, TM.ONTEC R W1 180 NM v, TM.ONTEC R W1 302 M w, TM.ONTEC R W1 302 M w COLD, TM.ONTEC R W1 302 NM w,

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Rated voltage	: 210-250 Vac
Rated frequency	: 50-60Hz
Rated power	: max. 7,2 W
Class	: II
Degree of protection	: IP20
Ambient temperature range (ta)	: +10 °C to +35 °C -15 °C to +35 °C (only for COLD-Versions)
Color temperature	: 5700 K
Description	: self-contained luminaires

TESTS

Test requirements

EN IEC 60598-1:2021
EN IEC 60598-1:2021/A11:2022
EN 60598-2-2:2012
EN 60598-2-22:2014
EN 60598-2-22:2014/A1:2020

Test result

The test results are laid down in DEKRA test file 342502700.

Additional information

The list of components is laid down in test report 3425027.50.

Conclusion

The examination proved that all requirements were met.

Factory location

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

Production key:

TM.ONTEC R Xne Hpp t v/w [COLD]

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	LED-module 010293, 2 LED for C,W,F,S or 1 LED for M
	5	LED-module 010293, 2 LED for M
e	U	controlgear with AC transformer (only NM ST version)
	(blank)	controlgear with impulse power supply
H	1	duration time 1 hour
	3	duration time 3 hours
pp	01	1 W LED power
	02	2 W LED power
	03	3 W LED power
Hpp	60	duration time 1 hour (control gear 010372 or 010372A)
	180	duration time 3 hours (control gear 010372 or 010372A)
t	M	Maintained mode
	NM	Non-maintained mode
w	ST	manual test
	AT	individual automatic test
	DATA (2; RADIO)	central automatic test
v	ST	manual test
	AT	individual automatic test
	DATA 2 (RADIO)	central automatic test
COLD		-15 °C to +35 °C ambient temperature