

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 C ..., TM.ONTEC D... 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 1 June 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-128463

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
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 C C1E 101 t y, TM.ONTEC C C1E 301 t y, TM.ONTEC C C1H 103 t w, TM.ONTEC C C1H 103 t w COLD, TM.ONTEC C C1H 303 t w, TM.ONTEC C C1M 102 NM ST, TM.ONTEC C C1M 302 NM ST, TM.ONTEC C C1U 101 t ST, TM.ONTEC C C1U 180 t ST, TM.ONTEC C C1U 301 t ST, TM.ONTEC C C1U 60 t ST, TM.ONTEC C C1 102 t w, TM.ONTEC C C1 102 t w COLD, TM.ONTEC C C1 180 t v, TM.ONTEC C C1 302 t w, TM.ONTEC C C1 302 t w COLD, TM.ONTEC C C1 60 t v, TM.ONTEC C F1E 101 t y, TM.ONTEC C F1E 301 t y, TM.ONTEC C F1H 103 t w, TM.ONTEC C F1H 103 t w COLD, TM.ONTEC C F1H 303 t w, TM.ONTEC C F1M 102 NM ST, TM.ONTEC C F1M 302 NM ST, TM.ONTEC C F1U 101 t ST, TM.ONTEC C F1U 180 t ST, TM.ONTEC C F1U 301 t ST, TM.ONTEC C F1U 60 t ST, TM.ONTEC C F1 102 t w, TM.ONTEC C F1 102 t w COLD, TM.ONTEC C F1 180 t v, TM.ONTEC C F1 302 t w, TM.ONTEC C F1 302 t w COLD, TM.ONTEC C F1 60 t v, TM.ONTEC C M1M 102 NM ST, TM.ONTEC C M1M 302 NM ST, TM.ONTEC C M1U 101 t ST, TM.ONTEC C M1U 180 t ST, TM.ONTEC C M1U 301 t ST, TM.ONTEC C M1U 60 t ST, TM.ONTEC C M1 101 t y, TM.ONTEC C M1 180 t v, TM.ONTEC C M1 301 t y, TM.ONTEC C M1 60 t v, TM.ONTEC C M2H 103 t w, TM.ONTEC C M2H 103 t w COLD, TM.ONTEC C M2H 303 t w, TM.ONTEC C M2 102 t w, TM.ONTEC C M2 102 t w COLD, TM.ONTEC C M2 302 t w, TM.ONTEC C M2 302 t w COLD, TM.ONTEC C S1E 101 t y, TM.ONTEC C S1E 301 t y, TM.ONTEC C S1H 103 t w, TM.ONTEC C S1H 103 t w COLD, TM.ONTEC C S1H 303 t w, TM.ONTEC C S1M 102 NM ST, TM.ONTEC C S1M 302 NM ST, TM.ONTEC C S1U 101 t ST, TM.ONTEC C S1U 180 t ST, TM.ONTEC C S1U 301 t ST, TM.ONTEC C S1U 60 t ST, TM.ONTEC C S1 102 t w, TM.ONTEC C S1 102 t w COLD, TM.ONTEC C S1 180 t v, TM.ONTEC C S1 302 t w, TM.ONTEC C S1 302 t w COLD, TM.ONTEC C S1 60 t v, TM.ONTEC C W1E 101 t y, TM.ONTEC C W1E 301 t y, TM.ONTEC C W1H 103 t w, TM.ONTEC C W1H 103 t w COLD, TM.ONTEC C W1H 303 t w, TM.ONTEC C W1M 102 NM ST, TM.ONTEC C W1M 302 NM ST, TM.ONTEC C W1U 101 t ST, TM.ONTEC C W1U 180 t ST, TM.ONTEC C W1U 301 t ST, TM.ONTEC C W1U 60 t ST, TM.ONTEC C W1 102 t w, TM.ONTEC C W1 102 t w COLD, TM.ONTEC C W1 180 t v, TM.ONTEC C W1 302 t w, TM.ONTEC C W1 302 t w COLD, TM.ONTEC C W1 60 t v, TM.ONTEC D C1E 101 t y, TM.ONTEC D C1E 301 t y, TM.ONTEC D C1H 103 t w, TM.ONTEC D C1H 103 t w COLD, TM.ONTEC D C1H 303 t w, TM.ONTEC D C1M 102 NM ST, TM.ONTEC D C1M 302 NM ST, TM.ONTEC D C1U 101 t ST, TM.ONTEC D C1U 180 t ST, TM.ONTEC D C1U 301 t ST, TM.ONTEC D C1U 60 t ST, TM.ONTEC D C1 102 t w, TM.ONTEC D C1 102 t w COLD, TM.ONTEC D C1 180 t v, TM.ONTEC D C1 302 t w, TM.ONTEC D C1 302 t w COLD, TM.ONTEC D C1 60 t v, TM.ONTEC D F1E 101 t y,

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TM.ONTEC D W1 102 t w COLD, TM.ONTEC D W1 180 t v,
TM.ONTEC D W1 302 t w, TM.ONTEC D W1 302 t w COLD
and TM.ONTEC D W1 60 t v

Rated voltage	: 210-250 Vac
Rated frequency	: 50-60Hz
Rated power	: max. 8,6 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 342500900.

Additional information

The list of components is laid down in test report 3425009.50.

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 C Xnn Hpp t w [COLD]

TM.ONTEC D Xnn Hpp t w [COLD]

Code	possible variants	description
TM.ONTEC C		Round housing
TM.ONTEC D		Square housing
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
nn	1U	controlgear with AC transformer (only ST version, luminous flux >120 lm)
	1M	controlgear with AC transformer (only NM ST version, luminous flux >240 lm)
	1 (for M); 1E	controlgear with impulse power supply (luminous flux >120 lm)
	2 (for M); 1	controlgear with impulse power supply (luminous flux >240 lm)
	2H; 1H	controlgear with impulse power supply (luminous flux >350 lm)
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
	180	duration time 3 hours
t	M	Maintained mode
	NM	Non-maintained mode
w	ST	manual test
	AT	individual automatic test
	DATA (2; RADIO)	central automatic test
COLD		-15 °C to +35 °C ambient temperature