

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 C ..., TM.ONTEC D... 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

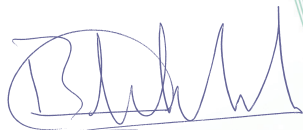
DEKRA hereby grants the right to use the ENEC certification mark.

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 12 June 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-141435

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



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 C C1E 01 CB, TM.ONTEC C C1E 01 CB+, TM.ONTEC C C1E 01 CBA, TM.ONTEC C C1E 01 CBM, TM.ONTEC C C1H 03 CB, TM.ONTEC C C1H 03 CB+, TM.ONTEC C C1H 03 CBA, TM.ONTEC C C1H 03 CBM, TM.ONTEC C C1 02 CB, TM.ONTEC C C1 02 CB+, TM.ONTEC C C1 02 CBA, TM.ONTEC C C1 02 CBM, TM.ONTEC C C1 CB, TM.ONTEC C C1 CB+, TM.ONTEC C C1 CBA, TM.ONTEC C C1 CBM, TM.ONTEC C F1E 01 CB, TM.ONTEC C F1E 01 CB+, TM.ONTEC C F1E 01 CBA, TM.ONTEC C F1E 01 CBM, TM.ONTEC C F1H 03 CB, TM.ONTEC C F1H 03 CB+, TM.ONTEC C F1H 03 CBA, TM.ONTEC C F1H 03 CBM, TM.ONTEC C F1 02 CB, TM.ONTEC C F1 02 CB+, TM.ONTEC C F1 02 CBA, TM.ONTEC C F1 02 CBM, TM.ONTEC C F1 CB, TM.ONTEC C F1 CB+, TM.ONTEC C F1 CBA, TM.ONTEC C F1 CBM, TM.ONTEC C M1 01 CB, TM.ONTEC C M1 01 CB+, TM.ONTEC C M1 01 CBA, TM.ONTEC C M1 01 CBM, TM.ONTEC C M1 CB, TM.ONTEC C M1 CB+, TM.ONTEC C M1 CBA, TM.ONTEC C M1 CBM, TM.ONTEC C M2H 03 CB, TM.ONTEC C M2H 03 CB+, TM.ONTEC C M2H 03 CBA, TM.ONTEC C M2H 03 CBM, TM.ONTEC C M2 02 CB, TM.ONTEC C M2 02 CB+, TM.ONTEC C M2 02 CBA, TM.ONTEC C M2 02 CBM, TM.ONTEC C S1E 01 CB, TM.ONTEC C S1E 01 CB+, TM.ONTEC C S1E 01 CBA, TM.ONTEC C S1E 01 CBM, TM.ONTEC C S1H 03 CB, TM.ONTEC C S1H 03 CB+, TM.ONTEC C S1H 03 CBA, TM.ONTEC C S1H 03 CBM, TM.ONTEC C S1 02 CB, TM.ONTEC C S1 02 CB+, TM.ONTEC C S1 02 CBA, TM.ONTEC C S1 02 CBM, TM.ONTEC C S1 CB, TM.ONTEC C S1 CB+, TM.ONTEC C S1 CBA, TM.ONTEC C S1 CBM, TM.ONTEC C W1E 01 CB, TM.ONTEC C W1E 01 CB+, TM.ONTEC C W1E 01 CBA, TM.ONTEC C W1E 01 CBM, TM.ONTEC C W1H 03 CB, TM.ONTEC C W1H 03 CB+, TM.ONTEC C W1H 03 CBA, TM.ONTEC C W1H 03 CBM, TM.ONTEC C W1 02 CB, TM.ONTEC C W1 02 CB+, TM.ONTEC C W1 02 CBA, TM.ONTEC C W1 02 CBM, TM.ONTEC C W1 CB, TM.ONTEC C W1 CB+, TM.ONTEC C W1 CBA, TM.ONTEC C W1 CBM, TM.ONTEC D C1E 01 CB, TM.ONTEC D C1E 01 CB+, TM.ONTEC D C1E 01 CBA, TM.ONTEC D C1E 01 CBM, TM.ONTEC D C1H 03 CB, TM.ONTEC D C1H 03 CB+, TM.ONTEC D C1H 03 CBA, TM.ONTEC D C1H 03 CBM, TM.ONTEC D C1 02 CB, TM.ONTEC D C1 02 CB+, TM.ONTEC D C1 02 CBA, TM.ONTEC D C1 02 CBM, TM.ONTEC D C1 CB, TM.ONTEC D C1 CB+, TM.ONTEC D C1 CBA, TM.ONTEC D C1 CBM, TM.ONTEC D F1E 01 CB, TM.ONTEC D F1E 01 CB+, TM.ONTEC D F1E 01 CBM, TM.ONTEC D F1H 03 CB, TM.ONTEC D F1H 03 CB+, TM.ONTEC D F1H 03 CBA, TM.ONTEC D F1H 03 CBM, TM.ONTEC D F1 02 CB, TM.ONTEC D F1 02 CB+, TM.ONTEC D F1 02 CBA,

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 TM.ONTEC D S1 02 CBA, TM.ONTEC D S1 02 CBM,
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 TM.ONTEC D W1 CB, TM.ONTEC D W1 CB+,
 TM.ONTEC D W1 CBA and TM.ONTEC D W1 CBM

Rated voltage	: 210-250 Vac / 186-254 Vdc
Rated frequency	: 50-60Hz / dc
Class	: II
Degree of protection	: IP20
Color temperature	: 5700 K
Description	: centrally supplied emergency luminaires

**Product data – type TM.ONTEC C C1 CB, TM.ONTEC C F1 CB, TM.ONTEC C M1 CB,
 TM.ONTEC C S1 CB, TM.ONTEC C W1 CB, TM.ONTEC D C1 CB, TM.ONTEC D F1 CB,
 TM.ONTEC D M1 CB, TM.ONTEC D S1 CB and TM.ONTEC D W1 CB**

Rated power	: 4,6 W
Ambient temperature range (ta)	: -15°C to +55°C

**Product data – type TM.ONTEC C C1 CBA, TM.ONTEC C F1 CBA, TM.ONTEC C M1 CBA,
 TM.ONTEC C S1 CBA, TM.ONTEC C W1 CBA, TM.ONTEC D C1 CBA, TM.ONTEC D F1 CBA,
 TM.ONTEC D M1 CBA, TM.ONTEC D S1 CBA and TM.ONTEC D W1 CBA**

Rated power	: 6,0 W
Ambient temperature range (ta)	: -10°C to +40°C

**Product data – type TM.ONTEC C C1E 01 CB, TM.ONTEC C F1E 01 CB, TM.ONTEC C M1 01 CB,
 TM.ONTEC C S1E 01 CB, TM.ONTEC C W1E 01 CB, TM.ONTEC D C1E 01 CB,
 TM.ONTEC D F1E 01 CB, TM.ONTEC D M1 01 CB, TM.ONTEC D S1E 01 CB and
 TM.ONTEC D W1E 01 CB**

Rated power	: 3,0 W
Ambient temperature range (ta)	: -15°C to +55°C

Product data – type TM.ONTEC C C1E 01 CBA, TM.ONTEC C F1E 01 CBA, TM.ONTEC C M1 01 CBA, TM.ONTEC C S1E 01 CBA, TM.ONTEC C W1E 01 CBA, TM.ONTEC D C1E 01 CBA, TM.ONTEC D M1 01 CBA, TM.ONTEC D M1 F1E 01 CBA, TM.ONTEC D M1 S1E 01 CBA and TM.ONTEC D W1E 01 CBA

Rated power : 4,4 W
Ambient temperature range (ta) : -10°C to +40°C

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

Rated power : 4,1 W
Ambient temperature range (ta) : -15°C to +55°C

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

Rated power : 4,2 W
Ambient temperature range (ta) : -15°C to +55°C

Product data – type TM.ONTEC C C1E 01 CBM, TM.ONTEC C F1E 01 CBM, TM.ONTEC C M1 01 CBM, TM.ONTEC C S1E 01 CBM, TM.ONTEC C W1E 01 CBM, TM.ONTEC D C1E 01 CBM, TM.ONTEC D F1E 01 CBM, TM.ONTEC D M1 01 CBM, TM.ONTEC D S1E 01 CBM and TM.ONTEC D W1E 01 CBM

Rated power : 2,6 W
Ambient temperature range (ta) : -15°C to +55°C

Product data – type TM.ONTEC C C1E 01 CB+, TM.ONTEC C F1E 01 CB+, TM.ONTEC C M1 01 CB+, TM.ONTEC C S1E 01 CB+, TM.ONTEC C W1E 01 CB+, TM.ONTEC D C1E 01 CB+, TM.ONTEC D F1E 01 CB+, TM.ONTEC D M1 01 CB+, TM.ONTEC D S1E 01 CB+ and TM.ONTEC D W1E 01 CB+

Rated power : 2,8 W
Ambient temperature range (ta) : -15°C to +55°C

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

Rated power : 3,7 W
Ambient temperature range (ta) : -15°C to +55°C

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

Rated power : 5,1 W
Ambient temperature range (ta) : -10°C to +40°C

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

Rated power : 3,3 W

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

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

Rated power : 3,3 W

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

Product data – type TM.ONTEC C C1H 03 CB, TM.ONTEC C F1H 03 CB, TM.ONTEC C M2H 03 CB, TM.ONTEC C S1H 03 CB, TM.ONTEC C W1H 03 CB, TM.ONTEC D C1H 03 CB, TM.ONTEC D F1H 03 CB, TM.ONTEC D M2H 03 CB, TM.ONTEC D S1H 03 CB and TM.ONTEC D W1H 03 CB

Rated power : 5,7 W

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

Product data – type TM.ONTEC C C1H 03 CBA, TM.ONTEC C F1H 03 CBA, TM.ONTEC C M2H 03 CBA, TM.ONTEC C S1H 03 CBA, TM.ONTEC C W1H 03 CBA, TM.ONTEC D C1H 03 CBA, TM.ONTEC D F1H 03 CBA, TM.ONTEC D M2H 03 CBA, TM.ONTEC D S1H 03 CBA and TM.ONTEC D W1H 03 CBA

Rated power : 6,9 W

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

Product data – type TM.ONTEC C C1H 03 CB+, TM.ONTEC C F1H 03 CB+, TM.ONTEC C M2H 03 CB+, TM.ONTEC C S1H 03 CB+, TM.ONTEC C W1H 03 CB+, TM.ONTEC D C1H 03 CB+, TM.ONTEC D F1H 03 CB+, TM.ONTEC D M2H 03 CB+, TM.ONTEC D S1H 03 CB+ and TM.ONTEC D W1H 03 CB+

Rated power : 4,7 W

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

Product data – type TM.ONTEC C C1H 03 CBM, TM.ONTEC C F1H 03 CBM, TM.ONTEC C M2H 03 CBM, TM.ONTEC C S1H 03 CBM, TM.ONTEC C W1H 03 CBM, TM.ONTEC D C1H 03 CBM, TM.ONTEC D F1H 03 CBM, TM.ONTEC D M2H 03 CBM, TM.ONTEC D S1H 03 CBM and TM.ONTEC D W1H 03 CBM

Rated power : 4,9 W

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

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 343206800.

Additional information

Production key:

TM.ONTEC C Xnn pp w,

TM.ONTEC D Xnn pp w

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 1 1 (for M) - not with control gear with impulse power supply

1E Control gear with impulse power supply (luminous flux >120 lm)

2 2 (for M), 1 - control gear with impulse power supply (luminous flux >240 lm)

2H 2H, 1H – control gear with impulse power supply (luminous flux >350 lm)

pp - empty for M1 (C1,W1,S1,F1)

01 1 W LED power

02 2 W LED power

03 3 W LED power

w CB without additional module

CBA version with addressable module 010313

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

The list of components is laid down in test report 3432068.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

The factory location is registered with the number 13932.