

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 LEDs
Trade name(s) : TM TECHNOLOGIE
Type(s)/model(s) : TM.ONTEC S20 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 and EN IEC 60598-2-22:2022
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2173187

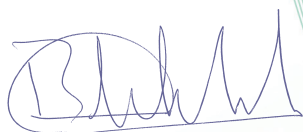
DEKRA hereby grants the right to use the ENEC certification mark.

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 31 July 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-144520

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Emergency luminaires (centrally supplied) with LEDs
Trade name(s)	: TM TECHNOLOGIE
Type(s)/model(s)	: TM.ONTEC S20 M1 CB, TM.ONTEC S20 M1 CB+, TM.ONTEC S20 M1 CBA, TM.ONTEC S20 M1 CBM, TM.ONTEC S20 M2X CB, TM.ONTEC S20 M2X CB+, TM.ONTEC S20 M2X CBA, TM.ONTEC S20 M2X CBM, TM.ONTEC S20 M2 CB, TM.ONTEC S20 M2 CB+, TM.ONTEC S20 M2 CBA and TM.ONTEC S20 M2 CBM
Rated voltage	: 210-250 Vac / 186-254 Vdc
Rated frequency	: 50-60Hz / dc
Rated power	: max. 5,4 W
Class	: II
Degree of protection	: IP44/IP65
Degree of impact protection	: IK08
Description	: centrally supplied luminaires

Product data – type TM.ONTEC S20 M1 CB, TM.ONTEC S20 M1 CB+, TM.ONTEC S20 M1 CBM, TM.ONTEC S20 M2 CB, TM.ONTEC S20 M2 CB+, TM.ONTEC S20 M2 CBM, TM.ONTEC S20 M2X CB, TM.ONTEC S20 M2X CB+ and TM.ONTEC S20 M2X CBM

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

Product data – type TM.ONTEC S20 M1 CBA, TM.ONTEC S20 M2 CBA and TM.ONTEC S20 M2X CBA

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

TESTS**Test requirements**

EN IEC 60598-1:2021

EN IEC 60598-1:2021/A11:2022

EN IEC 60598-2-22:2022

Test result

The test results are documented in DEKRA test file 343289500.

Additional information

The IK-code was tested according to IEC TR 62696:2011 (with reference to EN 62262:2002 + A1:2021).

This certificate replaces certificate No. 88-129368 which we hereby declare invalid.

The list of components is laid down in test report 3432895.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

TM Technologie sp. z.o.o.

Morawica 355

32-084 Morawica, Poland

Type key:

TM.ONTEC S20 Mxx TT

Code	possible variants	description
Mxx	M1	One LED driver (low flux)
	M2	Two LED drivers (medium flux)
	M2X	Universal luminaire (user defines function and luminous flux)
TT	CB	no addressable module
	CB+	no addressable module (supports modified mode – the possibility of non-maintained operation)
	CBA	central battery with addressable module
	CBM	central battery with addressable module and modulated transmission