

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 with LED's
Trade name(s) : TM TECHNOLOGIE
Type(s)/model(s) : TM.ONTEC S20 series

The product and any acceptable variation thereto is 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 the standard(s) EN 60598-1:2015, EN 60598-1:2015/A1:2018, 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

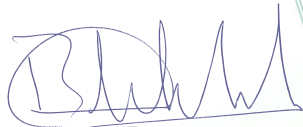
DEKRA hereby grants the right to use the ENEC certification mark.

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 14 July 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-119347 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Emergency luminaires with LED's
Trade name(s)	: TM TECHNOLOGIE
Type(s)/model(s)	: TM.ONTEC S20 M1U 60/180 NM..., TM.ONTEC S20 M1U 60 NM..., TM.ONTEC S20 M1X 60/180 M/NM, TM.ONTEC S20 M1 180 M..., TM.ONTEC S20 M1 180 NM..., TM.ONTEC S20 M1 60 M..., TM.ONTEC S20 M1 60 NM..., TM.ONTEC S20 M1 CB..., TM.ONTEC S20 M2X CB..., TM.ONTEC S20 M2 180 M..., TM.ONTEC S20 M2 180 NM and TM.ONTEC S20 M2 CB...
Class	: II
Degree of protection	: IP44/IP65
IK rating	: IK08

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

Rated voltage	: 210-250 Vac / 186-254 Vdc
Rated frequency	: 50-60Hz / dc
Ambient temperature range (ta)	: -10°C to +40°C for CBA version -15°C to +55°C for CB version
Description	: centrally supplied luminaires

Product data – type TM.ONTEC S20 M1 180 M..., TM.ONTEC S20 M1 180 NM..., TM.ONTEC S20 M1 60 M..., TM.ONTEC S20 M1 60 NM..., TM.ONTEC S20 M1U 60 NM..., TM.ONTEC S20 M1U 60/180 NM..., TM.ONTEC S20 M1X 60/180 M/NM, TM.ONTEC S20 M2 180 M... and TM.ONTEC S20 M2 180 NM

Rated voltage	: 210-250 Vac
Rated frequency	: 50-60 Hz
Ambient temperature range (ta)	: +5°C to +40°C
Description	: self-contained

TESTS**Test requirements**

EN 60598-1:2015
EN 60598-1:2015/A1:2018
EN 60598-2-22:2014
EN 60598-2-22:2014/A1:2020

Test result

The test results are laid down in DEKRA test file 341917900.

Additional information

Versions

ST: button test
AT: auto-test / self-test
DATA: with addressable module for self-contained system DATA
DATA2: with addressable module for self-contained system DATA 2
D2R: with addressable module for self-contained system DATA 2 RADIO
(+ socket for connecting an external radio module IQRF)
DALI: for digital lighting control system DALI
CB: for central battery with no addressable module
CBA: for central battery with addressable module

Legend: ONTEC S_X Y Zz w

X : 20 visibility 20m
Y : M1 low luminous flux
M1U only NM
M2 medium luminous flux
M1X, M2X universal luminaires (end user setup mode, duration time and luminous flux)
Z : M maintained
NM non-maintained
z : 60 60 minutes
180 180 minutes
w : Versions (see above)

LiFePO4/C – battery pack with integrated charge/discharge controller.

Additional IK08-test according to IEC TR 62696:2011 (with reference to EN 62262:2002) was performed and passed.

This certificate replaces certificate No. 88-119347 which we hereby declare invalid.

The list of components is laid down in test report 3419179.50.

Conclusion

The examination proved that all requirements were met.

Factory location

TM Technologie sp. z.o.o.
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