

# 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 S 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

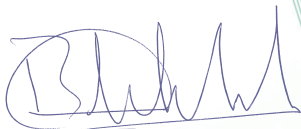
DEKRA hereby grants the right to use the ENEC certification mark.

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 18 January 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-122108

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



H.L. Schendstok  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Emergency luminaires with LED's
Trade name(s)	: TM TECHNOLOGIE
Type(s)/model(s)	: TM.ONTEC S E1P 01 CBA..., TM.ONTEC S E1P 01 CB..., TM.ONTEC S E1P 101 M..., TM.ONTEC S E1P 101 M...COLD, TM.ONTEC S E1P 101 NM..., TM.ONTEC S E1P 101 NM...COLD, TM.ONTEC S E1P 301 M..., TM.ONTEC S E1P 301 M...COLD, TM.ONTEC S E1P 301 NM..., TM.ONTEC S E1P 301 NM...COLD, TM.ONTEC S M1U 101 NM..., TM.ONTEC S M1U 301 NM..., TM.ONTEC S M1X 60/180 M/NM ..., TM.ONTEC S M1 101 M..., TM.ONTEC S M1 180 M..., TM.ONTEC S M1 180 NM..., TM.ONTEC S M1 301 M..., TM.ONTEC S M1 60 M..., TM.ONTEC S M1 60 NM ..., TM.ONTEC S M1 CBA..., TM.ONTEC S M1 CB..., TM.ONTEC S M2 02 CBA..., TM.ONTEC S M2 02 CB..., TM.ONTEC S M2 102 M..., TM.ONTEC S M2 102 M...COLD, TM.ONTEC S M2 102 NM..., TM.ONTEC S M2 102 NM...COLD, TM.ONTEC S M2 302 M..., TM.ONTEC S M2 302 M...COLD, TM.ONTEC S M2 302 NM..., TM.ONTEC S M2 302 NM...COLD, TM.ONTEC S M5 05 CBA..., TM.ONTEC S M5 05 CB..., TM.ONTEC S M5 105 M..., TM.ONTEC S M5 105 M...COLD, TM.ONTEC S M5 105 NM..., TM.ONTEC S M5 105 NM...COLD, TM.ONTEC S M5 205 M...COLD, TM.ONTEC S M5 205 NM...COLD, TM.ONTEC S M5 305 M... and TM.ONTEC S M5 305 NM...
Class	: II
Degree of protection	: IP44/IP65

**Product data – type TM.ONTEC S E1P 01 CBA..., TM.ONTEC S E1P 01 CB..., TM.ONTEC S M1 CBA..., TM.ONTEC S M1 CB..., TM.ONTEC S M2 02 CBA..., TM.ONTEC S M2 02 CB..., TM.ONTEC S M5 05 CBA... and TM.ONTEC S M5 05 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 S E1P 101 M..., TM.ONTEC S E1P 101 M...COLD, TM.ONTEC S E1P 101 NM..., TM.ONTEC S E1P 101 NM...COLD, TM.ONTEC S E1P 301 M..., TM.ONTEC S E1P 301 M...COLD, TM.ONTEC S E1P 301 NM..., TM.ONTEC S E1P 301 NM...COLD, TM.ONTEC S M1 101 M..., TM.ONTEC S M1 180 M..., TM.ONTEC S M1 180 NM..., TM.ONTEC S M1 301 M..., TM.ONTEC S M1 60 M..., TM.ONTEC S M1 60 NM ..., TM.ONTEC S M1U 101 NM..., TM.ONTEC S M1U 301 NM..., TM.ONTEC S M1X 60/180 M/NM ..., TM.ONTEC S M2 102 M..., TM.ONTEC S M2 102 M...COLD, TM.ONTEC S M2 102 NM..., TM.ONTEC S M2 102 NM...COLD, TM.ONTEC S M2 302 M..., TM.ONTEC S M2 302 M...COLD, TM.ONTEC S M2 302 NM..., TM.ONTEC S M2 302 NM...COLD, TM.ONTEC S M5 105 M..., TM.ONTEC S M5 105 M...COLD, TM.ONTEC S M5 105 NM..., TM.ONTEC S M5 105 NM...COLD, TM.ONTEC S M5 205 M...COLD, TM.ONTEC S M5 205 NM...COLD, TM.ONTEC S M5 305 M... and TM.ONTEC S M5 305 NM...

Rated voltage : 210-250 Vac  
Rated frequency : 50-60 Hz  
Ambient temperature range (ta) : +5°C to +40°C  
-15°C to +40°C for COLD versions  
Description : self-contained luminaires

## 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 342119600.

**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)  
CB : for central battery with no addressable module  
CBA : for central battery with addressable module

Legend : ONTEC S Xnm Hvv AA TT (CLD)  
ONTEC S X1 ttt AA TT- for M1 (C1,W1,F1) 60(180) models version  
(ST, AT, DATA 2, DATA 2 RADIO)

X : M luminaire without optics  
C luminaire with Emerald-A optic  
W luminaire with Strada-FT optic  
F luminaire with Flare-MINI optic  
E one side evacuation luminaire  
n : 1 1 LED for C,W,F  
7 LED for M  
14 LED for E  
2 2 LED for C,W,F  
14 LED for M  
5 2 LED for M  
m : U model with 010297 control gear (only NM version)  
P evacuation version with pictogram, luminance > 200 cd/m<sup>2</sup>  
X universal luminaires (end user define mode and duration time)  
(empty for other models)  
H : 1 1 hour  
2 2 hours  
3 3 hours  
(empty for other models)  
ttt : 60 1 hour  
1803 hours  
(empty for CB)  
vv : 01 1W LED  
02 2W LED  
05 5W LED  
AA : M Maintained mode  
NM Non-maintained mode  
(empty for CB)  
TT : See versions above  
CLD: -15 to +40 Celsius degrees (for self-contained only)

Battery packs with integrated charge/discharge controller.

The list of components is laid down in test report 3421196.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

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