

# 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 S30 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

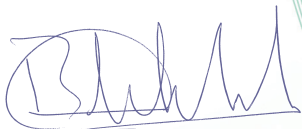
DEKRA hereby grants the right to use the ENEC certification mark.

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 4 November 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-121033

DEKRA Certification B.V.



**B.T.M. Holtus**  
Managing Director



**C. Nitschke**  
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 S30 M1X 60/180 M/NM..., TM.ONTEC S30 M1X CB...COLD, TM.ONTEC S30 M1X CB..., TM.ONTEC S30 M1 180 M..., TM.ONTEC S30 M1 180 NM..., TM.ONTEC S30 M1 60 M..., TM.ONTEC S30 M1 60 NM..., TM.ONTEC S30 M2 180 M..., TM.ONTEC S30 M2 180 NM..., TM.ONTEC S30 M2 60 M..., TM.ONTEC S30 M2 60 NM..., TM.ONTEC S30 M2 CB..., TM.ONTEC S30 M2 CB...COLD, TM.ONTEC S30 M5 180 M..., TM.ONTEC S30 M5 180 M...COLD, TM.ONTEC S30 M5 180 NM..., TM.ONTEC S30 M5 180 NM...COLD, TM.ONTEC S30 M5 60 M..., TM.ONTEC S30 M5 60 M...COLD, TM.ONTEC S30 M5 60 NM..., TM.ONTEC S30 M5 60 NM...COLD, TM.ONTEC S30 M5 CB... and TM.ONTEC S30 M5 CB...COLD
Class	: II
Degree of protection	: IP44/IP65
IK rating	: IK08

**Product data – type TM.ONTEC S30 M1X CB...COLD, TM.ONTEC S30 M1X CB..., TM.ONTEC S30 M2 CB..., TM.ONTEC S30 M2 CB...COLD, TM.ONTEC S30 M5 CB... and TM.ONTEC S30 M5 CB...COLD**

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 -25°C to +55°C for CB, CB+; CBM version -25°C to +20°C for CBA COLD version
Description	: centrally supplied luminaires

**Product data – type TM.ONTEC S30 M1 180 M..., TM.ONTEC S30 M1 180 NM..., TM.ONTEC S30 M1 60 M..., TM.ONTEC S30 M1 60 NM..., TM.ONTEC S30 M1X 60/180 M/NM..., TM.ONTEC S30 M2 180 M..., TM.ONTEC S30 M2 180 NM..., TM.ONTEC S30 M2 60 M..., TM.ONTEC S30 M2 60 NM..., TM.ONTEC S30 M5 180 M..., TM.ONTEC S30 M5 180 M...COLD, TM.ONTEC S30 M5 180 NM..., TM.ONTEC S30 M5 180 NM...COLD, TM.ONTEC S30 M5 60 M..., TM.ONTEC S30 M5 60 M...COLD, TM.ONTEC S30 M5 60 NM... and TM.ONTEC S30 M5 60 NM...COLD**

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

**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
CB+:	for central battery with no addressable module (supports modified mode – switching maintained/non maintained operation)
CBA:	for central battery with addressable module
CBM:	for central battery with addressable module and modulated transmission

## Legend: ONTEC S\_X Y Zz\_V\_w

X :	30 visibility 30m
Y :	M1, M2, M5 antipanic M1X antipanic universal C2, C5 escape route - low installation W2, W5 antipanic / lighting of fire-protection devices F2, F5 escape route - high installation S2, S5 antipanic SQ CC, CC5 corridor intersection - low installation FF, FF5 corridor intersection - high installation SC, SC5 antipanic + escape route SW, SW5 pictogram + door lighting / pictogram + lighting of fire-protection devices CW, CW5 corridor + door lighting
Z :	M maintained NM non-maintained
z :	60 60 minutes 180 180 minutes
V :	COLD temperature lowered down to: -25°C (centrally supplied) / -15°C (self-contained) (empty) standard version
w :	Versions (see page 8 in test report)

LiFEPO4/C – battery pack with integrated charge/discharge controller.

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

The list of components is laid down in test report 3419179.54.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

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