

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) : iTECH M1 180 M..., iTECH M1 180 NM..., iTECH M1 60 M...,
iTECH M1 60 NM..., iTECH M2 102 M...COLD, iTECH M2 102 NM...COLD,
iTECH M2 302 M..., iTECH M2 302 M...COLD, iTECH M2 302 NM...,
iTECH M2 302 NM...COLD, iTECH M5 105 M..., iTECH M5 105 M...COLD,
iTECH M5 105 NM..., iTECH M5 105 NM...COLD, iTECH M5 305 M...,
iTECH M5 305 NM..., iTECH Z E2 102 M..., iTECH Z E2 102 M...COLD,
iTECH Z E2 102 NM..., iTECH Z E2 102 NM...COLD, iTECH Z E2 302 M...,
iTECH Z E2 302 M...COLD, iTECH Z E2 302 NM... and
iTECH Z E2 302 NM...COLD

The product and any acceptable variation thereto as 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 EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN 60598-2-22:2014, EN 60598-2-22:2014/A1:2020 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

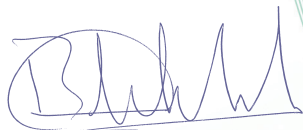
DEKRA hereby grants the right to use the ENEC certification mark.

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 21 March 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-137960

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
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)	: iTECH M1 180 M..., iTECH M1 180 NM..., iTECH M1 60 M..., iTECH M1 60 NM..., iTECH M2 102 M...COLD, iTECH M2 102 NM...COLD, iTECH M2 302 M..., iTECH M2 302 M...COLD, iTECH M2 302 NM..., iTECH M2 302 NM...COLD, iTECH M5 105 M..., iTECH M5 105 M...COLD, iTECH M5 105 NM..., iTECH M5 105 NM...COLD, iTECH M5 305 M..., iTECH M5 305 NM..., iTECH Z E2 102 M..., iTECH Z E2 102 M...COLD, iTECH Z E2 102 NM..., iTECH Z E2 102 NM...COLD, iTECH Z E2 302 M..., iTECH Z E2 302 M...COLD, iTECH Z E2 302 NM... and iTECH Z E2 302 NM...COLD
Class	: II
Degree of protection	: IP65
Description	: self-contained

TESTS**Test requirements**

EN IEC 60598-1:2021
EN IEC 60598-1:2021/A11:2022
EN 60598-2-22:2014
EN 60598-2-22:2014/A1:2020
EN 60598-2-2:2012

Test result

The test results are laid down in DEKRA test file 343206300.

Additional information**Versions**

ST : button / manual test
AT : individual automatic test
DATA : with addressable module for self-contained system DATA
DATA2 : with addressable module for self-contained system DATA 2
DATA 2 RADIO : with addressable module for self-contained system DATA 2 RADIO
(+ socket for connecting an external radio module IQRF)

Legend:

iTECH Xn Hv v A w (COLD)

iTECH X1 ttt A v – for M1 (C1,W1,F1,S1,O1) 60(180) models version (ST, AT, DATA 2, DATA 2 RADIO)

iTECH Z E2 Hv v A w (COLD)

X : M luminaire without optics
C luminaire with Emerald-A optic
W luminaire with Strada-FT optic
F luminaire with Flare-MINI optic
S luminaire with STRADA-SQ optic
O luminaire with FLARE optic
n : 1 1 LED for M, C,W,F,S,O
2 2 LED for C,W,F,S or 1 LED for M
5 2 LED for M
H : 1 1 hour
3 3 hours
ttt : 60 1 hour
1803 hours
vv : 02 2W LED
05 5W LED
A : M Maintained mode
NM Non-maintained mode
w : ST, AT, DATA, DATA 2, DATA 2 RADIO (see versions)
v : ST, AT, DATA 2, DATA 2 RADIO (see versions)
E2 : Evacuation luminaire
COLD : COLD -15 to +40 Celsius degrees

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

The list of components is laid down in test report 3432063.51.

Conclusion

The examination proved that all requirements were met.

Factory location

TM Technologie sp. z.o.o.
Morawica 355
32-084 Morawica, Poland