

# 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 / iTECH Z 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

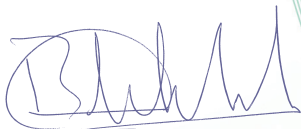
DEKRA hereby grants the right to use the ENEC certification mark.

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 21 March 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-122980

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



R Zhou  
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)	: iTECH M1 180 M..., iTECH M1 180 NM..., iTECH M1 60 M..., iTECH M1 60 NM..., iTECH M1 CB..., iTECH M1 CBA..., iTECH M2 02 CB..., iTECH M2 02 CBA..., 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 05 CB..., iTECH M5 05 CBA..., 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 02 CB..., iTECH Z E2 02 CBA..., 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

**Product data – type iTECH M1 CB..., iTECH M1 CBA..., iTECH M2 02 CB..., iTECH M2 02 CBA..., iTECH M5 05 CB... and iTECH M5 05 CBA...**

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 version
Description	: centrally supplied luminaires

**Product data – type 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... and iTECH M5 305 NM...**

Rated voltage	: 210-250 Vac
Rated frequency	: 50-60 Hz
Ambient temperature range (ta)	: +10°C to +40°C -15°C to +40°C for COLD versions
Description	: self-contained luminaires

**Product data – type iTECH Z E2 02 CB... and iTECH Z E2 02 CBA...**

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 version
Description	: centrally supplied luminaires

**Product data – type 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**

Rated voltage	: 210-250 Vac
Rated frequency	: 50-60 Hz





**Additional information**

This certificate replaces certificate No. 88-118124 which we hereby declare invalid.

The product has been additionally evaluated and complies with EN IEC 60598-1:2021.

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

**Legend:**

iTECH Xn Hvv A/BB (CLD)

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

iTECH Z E2 Hvv A/BB (CLD)

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 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
		(empty for CB)
vv	:	02 2W LED
		05 5W LED
A/	:	M Maintained mode
		NM Non-maintained mode
		(empty for CB)
BB	:	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 3421198.51.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

TM Technologie sp. z.o.o.

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