

# 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 light source  
Trade name(s) : TM TECHNOLOGIE  
Type(s)/model(s) : ONTEC APN 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 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 production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2173187

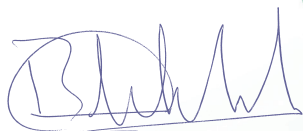
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 30 October 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 88-116197

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



C. Nitschke  
Certification Manager

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COUNCIL



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

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product          | : Emergency luminaires with LED light source                                                                                                                                                                                                                                                                                                                                                                        |
| Trade name(s)    | : TM TECHNOLOGIE                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type(s)/model(s) | : TM.ONTEC AN 02 CB, TM.ONTEC AN 02 CBA,<br>TM.ONTEC AN 05 CB, TM.ONTEC AN 05 CBA,<br>TM.ONTEC AN 302 M..., TM.ONTEC AN 305 M...,<br>TM.ONTEC APN 31P CB, TM.ONTEC APN 31P CBA,<br>TM.ONTEC APN 31P M..., TM.ONTEC PN 02 CB,<br>TM.ONTEC PN 02 CBA, TM.ONTEC PN 05 CB,<br>TM.ONTEC PN 05 CBA, TM.ONTEC PN 302 M...,<br>TM.ONTEC PN 305 M..., TM.ONTEC PPN 31P CB,<br>TM.ONTEC PPN 31P CBA and TM.ONTEC PPN 31P M... |

**Product data – type TM.ONTEC AN 02 CB, TM.ONTEC AN 02 CBA, TM.ONTEC AN 05 CB, TM.ONTEC AN 05 CBA, TM.ONTEC APN 31P CB, TM.ONTEC APN 31P CBA, TM.ONTEC PN 02 CB, TM.ONTEC PN 02 CBA, TM.ONTEC PN 05 CB, TM.ONTEC PN 05 CBA, TM.ONTEC PPN 31P CB and TM.ONTEC PPN 31P CBA**

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| Rated voltage                  | : 210-250 Vac / 186-254 Vdc                                       |
| Rated frequency                | : 50-60Hz / dc                                                    |
| Class                          | : II                                                              |
| Degree of protection           | : IP20                                                            |
| Ambient temperature range (ta) | : -10°C to +40°C for CBA version<br>-15°C to +55°C for CB version |
| Description                    | : centrally supplied luminaires                                   |

**Product data – type TM.ONTEC AN 302 M..., TM.ONTEC AN 305 M..., TM.ONTEC APN 31P M..., TM.ONTEC PN 302 M..., TM.ONTEC PN 305 M... and TM.ONTEC PPN 31P M...**

|                                |                             |
|--------------------------------|-----------------------------|
| Rated voltage                  | : 210-250 Vac               |
| Rated frequency                | : 50-60 Hz                  |
| Class                          | : II                        |
| Degree of protection           | : IP20                      |
| Ambient temperature range (ta) | : +10°C to +40°C            |
| 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 341918900.

**Additional information**

Product key

TM.ONTEC nnn Hvv A TT

nnn: type of mounting and with/without pictogram

AN – surface mounted fitting

PN – Recessed fitting

APN – surface mounted fitting with pictogram

PPN – Recessed fitting with pictogram

H: Duration of emergency mode

3 - 3 hours (180 minutes)

empty for CB

vv: LED power

02 - 2W LED

05 - 5W LED

31P - 2W LED + pictogram flag

A: Operation mode

M - Maintained mode

TT: Test mode

ST – manual test

AT – individual automatic test

DATA, DATA 2, DATA 2 RADIO (D2R), DALI – central automatic test

CB – for central battery system

CBA – for central battery system with addressable module

The luminaire contains a LED module which is in compliance with EN 62031:2008 + A1:2013 + A2:2015 (tested as part of the appliance).

The luminaire contains a LED driver which is in compliance with EN 61347-2-13:2014 + A1:2017 and EN 61347-2-7:2012 + A1:2019 used in conjunction with EN 61347-1:2015 (tested as part of the appliance).

The list of components is laid down in test report 3419189.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

TM Technologie sp. z.o.o.

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