



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx DEK 11.0075 Issue No: 1 Certificate history:  
Status: **Current** Page 1 of 4 [Issue No. 1 \(2013-11-25\)](#)  
Date of Issue: **2013-11-25** [Issue No. 0 \(2012-10-15\)](#)  
Applicant: **TechNed Benelux B.V.**  
Veersteeg 15  
4212 LR Spijk  
**The Netherlands**  
Electrical Apparatus: **Luminares Series TNAML and TNAML-E**  
*Optional accessory:* *Remote control unit*  
Type of Protection: **Ex e mb tD**  
Marking: Ex e mb IIC T5 ... T6 Gb  
Ex tD A21 IP66 T80C

*Approved for issue on behalf of the IECEx  
Certification Body:*

T. Pijpker

*Position:*

Certification Manager

*Signature:*  
*(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

**DEKRA Certification B.V.**  
Utrechtseweg 310  
6812 AR Arnhem  
The Netherlands





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Manufacturer: **TechNed Benelux bv**  
Veersteeg 15  
4212 LR Spijk  
**The Netherlands**

Additional Manufacturing  
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2007-10</b> Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
<b>IEC 60079-18 : 2009</b> Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
<b>IEC 60079-7 : 2006-07</b> Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[NL/DEK/ExTR11.0090/00](#) [NL/DEK/ExTR11.0090/01](#)

Quality Assessment Report:

[NL/DEK/QAR11.0036/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Luminaire Series TNAML, with one or two 18 W, 36 W or 58 W lamp(s), with one or two junction box(es) and/or with one double ballast or two single ballasts; optionally provided with a battery powered LED emergency lighting (Series TNAML-E) and/or a remote control unit (Blackstart version).

Ambient temperature range TNAML for use in gas environments: -20 °C to +55 °C for T5; -20 °C to +40 °C for T6.

Ambient temperature range TNAML-E for use in gas environments: -20 °C to +45 °C for T5; -20 °C to +40 °C for T6.

Ambient temperature range TNAML and TNAML-E for use in dust environments: -20 °C to +55 °C for T 80 °C.

Power supply: 100-120 V or 220-240 V, 50/60 Hz.

Battery pack (Series TNAML-E only): 6 V, max. 8 Ah sealed battery pack.

**CONDITIONS OF CERTIFICATION: NO**



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Name change of manufacturer