



# 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 INE 13.0061X Issue No: 1 Certificate history:  
Status: **Current** Page 1 of 4 [Issue No. 1 \(2014-08-06\)](#)  
Date of Issue: **2014-08-06** [Issue No. 0 \(2013-12-05\)](#)  
Applicant: **TechNed BENELUX BV**  
4212 LR Spijk  
**The Netherlands**  
Electrical Apparatus: **Helideck Floodlight type TB-AMG-132-HFL**  
*Optional accessory:*  
Type of Protection: **d e, tb**  
Marking: Ex d e IIC T4 Gb  
Ex tb IIIC T 135°C Db IP66

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

Dominique CHARPENTIER

*Position:*

Certification division 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:

**INERIS**  
Institut National de l'Environnement Industriel  
et des Risques  
BP n2  
Parc Technologique ALATA  
F-60550 Vermeuil-En-Halatte  
France



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Manufacturer: **TechNed BENELUX BV**  
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 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2008</b> Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2006-07</b> Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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:

[FR/INE/ExTR13.0047/00](#)      [FR/INE/ExTR13.0047/01](#)

### Quality Assessment Report:

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



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## Schedule

### EQUIPMENT:

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

This enclosure is constituted by a compartment protected by flameproof enclosure and fitted with a terminal box protected by increased safety. Both are also protected by "tb" type protection for dust atmosphere explosive. The terminal box is covered by the IECEx SIR11.0057U component certificate and fitted with terminals covered by IECEx PTB 05.0033U.

These two compartments are separated by a sealed bushing.

This equipment is intended to receive mainly a xenon lamp and electrical components defined in the technical note.

This equipment gets the degree of protection IP66 in accordance with IEC 60529 standard.

### CONDITIONS OF CERTIFICATION: YES as shown below:

The depth engagement of the flameproof threaded joints is superior to the value specified in the tables of IEC 60079-1 standard.

This new version subject of the issue n°1 can be used only in horizontal position.



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

### ISSUE N°1

- Modification of the name of the product which become helideck floodlight type TB-AMG-132-HFL.
- Modification of the internal components and the maximum supply voltage.
- Modification of marking.

### Annex:

[IECEx INE 13.0061X\\_Annex-issue-1.pdf](#)



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Annexe: IECEx INE 13.0061X\_Annex.pdf

## **PARAMETERS RELATING TO THE SAFETY**

Maximum supply voltages : 277 V AC or 24 V DC.  
Maximum dissipated power : 50 W.

### **Characteristics of the lamp:**

Type : Xenon  
Maximum dissipated power : 35 W.

This equipment can be used in the range of ambient temperatures from -50°C to 50°C.

## **MARKING**

Marking has to be readable and indelible; it has to include the following indications:

- TECHNED BENELUX
- 4212 LR Spijk
- The Netherlands
- TB-AMG-132-HFL
- IECEx INE 13.0061X
- (Serial number)
- Ex d e IIC T4 Gb
- Ex tb IIIC T135°C Db IP66
- -50°C < Tamb < 50°C
- (Rated voltage and rated current and/or rated voltage)
- Cable glands: see instructions.

### **WARNINGS:**

- DO NOT OPEN WHEN ENERGIZED.
- DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.
- READ INSTRUCTION NOTE BEFORE INSTALLATION AND USING.

## **ROUTINE EXAMINATIONS AND TESTS**

In accordance with clause 16.2 of the IEC 60079-1 standard, the equipment defined above is exempted of routine test due to the fact that it has undergone a static type test at 4 times the reference pressure under 47.6 bar.

In accordance with clause 7.1 of the IEC 60079-7 standard, each terminal box defined above has to have successfully passed, before delivery a dielectric strength test on each of the different circuits of the connection units, performed according to the relevant standards, the test voltage being applied during one minute.