



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

Certificate No.:	IECEX NEM 08.0001U	Issue No: 4	<u>Certificate history:</u>
Status:	Current	Page 1 of 4	Issue No. 4 (2011-10-18)
Date of Issue:	2011-10-18		Issue No. 3 (2011-05-24)
Applicant:	Barel AS Kaiveien 2 9917 Kirkenes Norway		Issue No. 2 (2011-01-13)
Electrical Apparatus:	Lamp Holder		Issue No. 1 (2008-03-18)
<i>Optional accessory:</i>			Issue No. 0 (2008-01-22)
Type of Protection:	Increased safety		
Marking:	Ex e II		

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager, Ex-products

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](http://www.iecex.com).

Certificate issued by:

NEMKO
Gaustadelleen 30
Oslo N-0314
Norway





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Manufacturer: **Barel AS**
Kaiveien 2
9917 Kirkenes
Norway

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:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5

IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

*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:

[GB/SIR/ExTR08.0021/00](#) [NO/NEM/ExTR11.0027/00](#)

Quality Assessment Report:

[NO/NEM/QAR08.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

THX T5/T8
THX T5/T8 Slim
THX T5/T8 Double
THX T5/T8 Slim Double

Lamp holder for use in lamps for fluorescent light sources. The lamp holder can accept light sources with standard sizes T5 and T8.

Schedule of Limitations

1. The fluorescent lamp holders shall only be used within the service temperature range -30C to +96C
2. The lamp holders shall be mounted completely within an Ex e luminaire enclosure. When fitting the lamp holders, the luminaire must be vibration tested in accordance with the requirements of IEC 60079-7:2006, Clause 6.3.4
3. When mounted within an Ex e luminaire, the lamp holders shall comply with the requirements of IEC 60079-7:2006 Clause 5.3.7.4
4. The lamp holders are to be mounted to ensure that the creepage and clearance distances of IEC 60079-7:2006, Table 1 are met. Creepage and Clearance distance shall also be met under IEC 60079-7:2006 Clause 5.3.7.5 starting impulse conditions.

CONDITIONS OF CERTIFICATION: NO



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

Issue 1: The text of schedule limitations item 4 has been changed. The current text is more precise with regards to the requirements of the standard.

Issue 2: Dual version of lamp holder introduced

Issue 3: Standards reference corrected.

Issue 4: Test report IEC 60079-0 re-issued