



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 PRE 14.0055X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 1 \(2016-06-27\)](#)
Date of Issue: **2016-06-27** [Issue No. 0 \(2014-12-18\)](#)
Applicant: **Tranberg AS**
Strandsvingen 6
4032 Stavanger
Norway
Equipment: **Navigation light**
Optional accessory:
Type of Protection: **Type protection "nR"**
Marking: Ex nR IIC T5 Gc

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

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:

DNV Nemko Presafe AS
Gautadalleen 30
P.O.Box 73 Blindern
0314 Oslo
Norway





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Manufacturer: **Tranberg AS**
Strandsvingen 6
4032 Stavanger
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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
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:

[NO/PRE/ExTR14.0051/00](#) [NO/PRE/ExTR14.0051/01](#)

Quality Assessment Report:

[NO/NEM/QAR10.0006/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This certificate covers Navigation lights with type of protection "n", restricted breathing "nR".
The navigation lights are made of aluminium (TEF2850) or brass (TEF2870).
The light sources are incandescent light bulbs. Temperature class T5.

Degrees of protection (IP Code):

IP56: TEF 2850 Variants & TEF 2870 (Adhesive 1 Variant)

IP66 : TEF 2870 (Adhesive 2, Adhesive 3, Adhesive 4 Variant)

Type	Material	Ambient temperature	Electrical data	Lamp Holder
TEF2850	Aluminium	$-52^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$	110/230VAC 55-85W / B22 24V 55W	
TEF2870	Brass	$-52^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	115/230VAC 65W / 24V P28S 40W	

CONDITIONS OF CERTIFICATION: YES as shown below:

Resistance to impact is tested with reduced values IEC 60079-0:2010 clause 26.4.2 "low risk of mechanical damage".



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

Issue 00: Initial assessment

Issue 01: TEF 2870

Assessment for new silicone adhesive (3 types) & Assessment with accessories like, cable gland, blanking element