

Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] Type Examination Certificate Number: Presafe 14 ATEX 5436X Issue 01
- [4] Product: Navigation Light
- [5] Manufacturer: Tranberg AS
- [6] Address: Strandsvingen 6
4032 Stavanger
NORWAY
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV Nemko Presafe AS certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
- The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012 and EN 60079-15:2010
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.
- [12] The marking of the product shall include the following:



II 3 G

Ex nR IIC T5 Gc, refer description

Bjørn Spongsveen
For DNV Nemko Presafe AS
Information on electronic signature www.presafe.com



Date of issue: 2016-06-22

This certificate may only be reproduced in its entirety and without any change, schedule included.

[13] Schedule

[14] TYPE EXAMINATION CERTIFICATE No.: Presafe 14 ATEX 5436X Issue 01

[15] Description of Product

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.

Type designation

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

Degrees of protection (IP Code):

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

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

Ambient temperature:

$-52^{\circ}\text{C} \leq T_{\text{amb}} \leq +45/ +50^{\circ}\text{C}$

Routine tests

Routine test according to clause 23.2.3.2.1.1 (Equipment with test port, of IEC 60079-15) is required for TEF2870 variant with silicone adhesive type 2

[16] Report No.: D0001312 Issue 01

[17] Specific Conditions of Use

Resistance to impact is tested with reduced values EN60079-0:2012 clause 26.4.2 "low risk of mechanical damage"

[18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

[19] Drawings and Documents

Number	Title	Rev.	Date
TCL4492	Master document	D	2016-06-02

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2014-12-18	D0001312
1	Assessment for new adhesives and assessment with accessories like, cable gland, blanking element for TEF 2870	2016-06-09	D0001312 Issue 01

END OF CERTIFICATE