



DET NORSKE VERITAS

EC-TYPE EXAMINATION CERTIFICATE

[2] **EQUIPMENT OR PROTECTED SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**

[3] EC-Type Examination Certificate Number: **DNV-2008-OSL-ATEX-27278** Rev. 3

[4] Equipment or Protective System: **Helideck Floodlight**

[5] Applicant – Manufacturer or Authorized representative: **Technor Safe Ex AS**

[6] Address: **Dusavikveien 39
P.O. Box 658
4001 Stavanger**

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV, notified body number 0575 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.


The examination and test results are recorded in confidential report no. : **2008-3265 rev 2**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2006, EN 60079-1: 2004 and EN 60079-7:2003

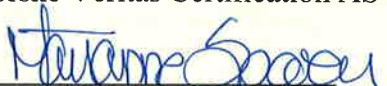
[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.


[12] The marking of the equipment or protective system shall include the following:

 **II 2 G Ex de IIC T4 Tamb: -50°C to +50°C**

Høvik, 2009-01-27
for Det Norske Veritas Certification AS


Marianne Spæren
Certification Manager




Bjørn Spongsveen
Technical Reviewer

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No.: DNV-2008-OSL-ATEX-27278

Rev. 3

Certificate History

Revision	Description	Issue date
1	Original certificate	2008-06-17
2	Change in electrical data, revised drawings	2008-06-24
3	Change in electrical data, revised drawings (254 V)	2009-01-27

[15] **Description of Equipment or Protective System**

The Helideck Floodlight is mounted in a stainless steel enclosure with a cemented window, and fitted with a Xenon lamp.

Type Identification

TNXCX

Electrical Data

U =254 Vac or 230 Vac or 110-120 Vac or 24 Vdc or 12 Vdc
I = 1 A

Degrees of protection (IP Code)

IP 66, IP 67 and IP 68 (0,5 bar, 2 hours)

[16] **Report No.:** 2008-3265 rev 2

Project No.: PRJC-43452-2008-PRC-NOR

Descriptive Documents

Number	Title	Rev.	Date
XCX-01-5	TNXCX Helideck Floodlight	D	2009-01-23
XCX-12-5	Label, TNXCX Helideck Floodlight	B	2008-06-20
XCX-02-2	Wiring diagram TNXCX Helideck Floodlight	A	2008-06-05
XCX-02-4	Wiring diagram TNXCX Helideck Floodlight	C	2009-01-23

Routine Test

A routine overpressure test at 33,8 bar according to EN 60079-1 clause 16 shall be carried out on each enclosure.

[17] **Special Conditions for Safe Use**

None

[18] **Essential Health and Safety Requirements**

See part 9 of this certificate

END OF CERTIFICATE

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.