

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 21 ATEX 49246X** **Issue 2**

[4] Product: **TEF9975 Floodlight**

[5] Manufacturer: **R Stahl 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 Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 the Directive.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018, EN 60079-7:2015, EN 60079-18:2014, EN 60079-31:2014**
Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **II 2 G Ex eb mb IIC T3 Gb , Tamb -40°C to +55°C**
II 2 D Ex tb IIIC T135°C Db IP 66, Tamb -40°C to +55°C

Date of issue:
2024-07-12



Bjørn Spongsveen
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info



[13] **Schedule**

[14] **EU-Type Examination Certificate No:** DNV 21 ATEX 49246X Issue 2

[15] **Description of Product**

The TEF9975 Floodlight consists of a cast aluminium enclosure with a high impact resistant, clear glass lens. High intensity LEDs provide the floodlighting. The LED arrays are supplied from a separately certified encapsulated driver circuit, mounted within the unit. LED arrays are protected by Ex mb protection type.

The rear provides the input supply connection facilities. The TEF9975 Floodlights have an Ingress Protection rating of IP66 and are designed to be mounted horizontally with the top lens uppermost.

Type designation

TEF9975 Floodlight

Electrical Data

AC unit: 100 to 240VAC, 50/60Hz, 0.6A, 40W.

DC unit: 24V±10%, 2.34A, 40W.

Maximum Output ratings (for both the AC and the DC units): 50V, 1.5A, 35W

Degrees of protection (IP Code)

IP 66 according to IEC 60079-0

Ambient temperature:

-40°C to +55°C

Routine tests

1. Dielectric strength test as EN 60079-18 clause 9.2 for the Ex m part.
2. Visual inspection on the potted part of the equipment for the damage/crack/ failure to adhesion as clause 9.1 EN 60079-18

[16] **Report No.:** 231407/02

Project No.: PRJN-231407-2021-PA-NOR

[17] **Specific Conditions of Use**

1. The supply circuit must include a protective device having corresponding rated voltage and is capable to withstand a prospective short-circuit current of 200A

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

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
TCL6955	Document list	D	2024-06-28

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2022-08-11	231407
1	Terminals moved from Ex m to Ex e part. Potting thickness increased.	2023-03-22	231407
2	-product and type name updated to include "TEF9975" -two new alternative LED drivers tested and included together with new bracket -alternative Ex certified terminals included -minor (editorial) changes in descriptive documentation	2024-07-12	231407/02

END OF CERTIFICATE

