



Italia

CERTIFICATE

- [1] **TYPE EXAMINATION CERTIFICATE**
 [2] **Equipment or Protective System intended for use
 in potentially explosive atmospheres
 Directive 94/9/EC**

[3] Type Examination Certificate number:

TÜV IT 15 ATEX 045 X

- [4] Equipment or Protective System: Outdoor floodlight Titano ATEX series
 [5] Manufacturer: Gewiss S.p.a.
 [6] Address: Via A. Volta, 1
 I-24069 Cenate di sotto (BG) - Italy
 [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] TÜV Italia 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. R 15 EX 026

- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 ; EN 60079-15:2010 ; EN 60079-31:2009

- [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 TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
 [12] The marking of the equipment or protective system shall include the following:



II 3G Ex nR IIA T3...T2 Gc

Tamb: -20°C ÷ +25°C

II 3D Ex tc IIIA T170°C...T240°C Dc

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

date: 16th October 2015



Approved
 Gennaro Oliva
 Industrie Service Director

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo. The internal reference code is 259331.



Italia

[13]

SCHEDULE

[14]

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[15] **Description of equipment**

The outdoor floodlight Titano ATEX series are made by aluminium alloy enclosure and tempered glass cover containing the lamp; it could be with asymmetrical or symmetrical optics.

The main compartment contains the metal reflector and an screw E40 lamp holder where different types of lamp can be mounted: high pressure sodium lamps and metal halide lamps. Other electrical components are ballast, ignitor and power factor corrector capacitor. The enclosure is approximately 430 mm high by 420 mm wide and up to a maximum depth of 260 mm.

Cable entry holes for suitably approved cable glands are fitted into one side of the enclosure and must be sealed to maintain the requirements for restricted breathing (Ex nR) equipment.

The outdoor floodlight subject of this certificate are identified by the following codes for the different models:

GW 84	***	*
Gewiss model	sequential number	S = High pressure sodium lamp M = Metal halide lamp

Rated characteristics

Rated voltage	230 V
Rated frequency	50 Hz
Rated power	250 W / 400 W
Degree of protection	IP66
Lampholder	E40
Ambient temperature	-20 ÷ +25

Model	Rated power	Temperature class	Max surface temperature [°C]
GW 84 *** S	400W	T2	220
GW 84 *** M	400W	T2	240

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GW 84 *** S	250W	T3	170
GW 84 *** M	250W	T3	190

Warning label

- Don't open when energized.
- Wait 15 minutes before opening.
- Do not open when an explosive atmosphere is present

[16] **Report no. R 15 EX 026**

Routine tests

The manufacturer shall carry out the routine dielectric test prescribed at par. 23.2.1 of EN60079-15: applied voltage shall be 1500 V

The manufacturer shall carry out the routine checking of restricted breathing properties according to par. 23.2.3.2.1.2 of EN 60079-15 (test for equipment without a test port)

Listed documents (prot. 259331)

Title:	Description:	Pages:	Rev:	Date:
FT.100D	Technical file	17	n.a.	22/06/2015
FT.100D Annex 3	Safety instructions manual	16	n.a.	03/09/2015

One copy of all documents is kept in TÜV Italia files.

[17] **Special conditions for safe use**

- Floodlights has to be installed taking into account that it is suitable for a low risk of mechanical danger.
- Floodlights shall be mounted and maintained only in accordance with manufacturer's instructions: no objects shall be placed within 1 m directly in front of the glass window and as part of the re-lamping procedure the glass

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SCHEDULE

[14]

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gasket must be replaced every time the optical compartment is opened/closed

- Floodlights does not have a test port fitted
- Using the projector with upward vertical illumination is not allowed, to avoid deposits of dust on the hot glass

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

Assured by compliance with the standards set out in the [9].

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