



[1] Type Examination Statement

Category 3 Equipment

[2] Equipment intended for use in potentially explosive atmospheres - ATEX
[3] Type Examination Statement number:

IMQ 17 ATEX 015 X

- [4] Product: Led lighting luminaire
type/series: SMART [4] 2.0
- [5] Applicant: **Gewiss S.p.A.** - Via Volta, 1 - 24069 Cenate Sotto (BG) - ITALY
- [6] Manufacturer: **Gewiss S.p.A.** - Via Volta, 1 - 24069 Cenate Sotto (BG) - ITALY
- [7] This equipment and any acceptable variation thereto are specified in the annex to this statement and the documents therein referred to.
- [8] IMQ states that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the: **Directive 2014/34/EU** with reference to the requirements covered by following standard. The examination and test results are recorded in confidential report no.
AT17-0008933-01
- [9] Compliance with Essential Health and Safety Requirements given in the Directive and covered by the following standard, has been assured by conformity to the requirements of this standard:
EN 60079-0:2012+A11:2013; EN 60079-15:2010; EN 60079-31:2014
- [10] If the sign "X" is placed after the statement 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 STATEMENT relates only to the design, examination and tests of the specified equipment. Further requirements of the Directive 2014/34/EU are not covered by this statement.
- [12] The marking of the equipment shall include the following:



II 3G

Ex nR IIC T4/T5 Gc



II 3D

Ex tc IIIC T100°C Dc

THIS DOCUMENT IS COMPOSED OF X PAGES INCLUDING X ANNEXES

IMQ

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IMQ 17 ATEX 015 X

1/4



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Annex

- [13]
- [14] Type Examination Statement number: **IMQ 17 ATEX 015 X**
- [15] Description of product: Smart [4] 2.0 is a family of Restricted breathing and dust tight led lighting luminaire For indoor and outdoor use.
- [15.1] Models/Series Identification:

Type ref.	Type Designation & Characteristics	Rated voltage	Optic	Rated Power	Light source	ATEX markings
GWS4023GSA	SMART [4] LB 4L – Stand-alone – 4000 K – 60° medium optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Medium 60°	55 W	4 LED 4000 K	II 3G Ex nR IIC T5 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C
GWS4024GSA	SMART [4] LB 4L – Stand-alone – 4000 K – 100° diffused optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Diffused 100°	55 W	4 LED 4000 K	II 3G Ex nR IIC T5 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C
GWS4033GSA	SMART [4] LB 5L – Stand-alone – 4000 K – 60° medium optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Medium 60°	69 W	5 LED 4000 K	II 3G Ex nR IIC T5 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C
GWS4034GSA	SMART [4] LB 5L – Stand-alone – 4000 K – 100° diffused optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Diffused 100°	69 W	5 LED 4000 K	II 3G Ex nR IIC T5 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C
GWS4043GSA	SMART [4] HB 4+4L – Stand-alone – 4000 K – 60° medium optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Medium 60°	110 W	8 LED 4000 K	II 3G Ex nR IIC T4 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C
GWS4044GSA	SMART [4] HB 4+4L – Stand-alone – 4000 K – 100° diffused optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Diffused 100°	110 W	8 LED 4000 K	II 3G Ex nR IIC T4 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C
GWS4053GSA	SMART [4] HB 5+5L – Stand-alone – 4000 K – 60° medium optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Medium 60°	138 W	10 LED 4000 K	II 3G Ex nR IIC T4 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C
GWS4054GSA	SMART [4] HB 5+5L – Stand-alone – 4000 K – 60° diffused optics – Class I – IP66 – Graphite grey – ATEX version	220/240 V 50/60 Hz	Diffused 100°	138 W	10 LED 4000 K	II 3G Ex nR IIC T4 Gc II 3D Ex tc IIIC T100°C Dc IP66 +5°C ≤ Ta ≤ +35°C

- [15.2] Ratings: 220-240V - 50/60 Hz - Ta 35°C
- [15.3] Safety Ratings: -
- [15.4] Ambient temperature and temperature classes: Tamb: +5°C ÷ +35°C ; Temperature class is: T4/T5 - T100°C According to model, as listed in [15.1].
- [15.5] Degree of protection (IP code): IP66
- [15.6] Warnings:
Do not open when energized
Do not open when an explosive atmosphere is present
After de-energizing, delay 15 minutes before opening
Potential electrostatic charging hazard: clean with a water-wet cloth only and allow to dry naturally
- [16] Report: AT17-0008933-01
- [16.1] Routine (factory) tests:
The manufacturer shall carry out the routine test prescribed at clauses 27 of EN 60079-0.
The manufacturer shall carry out dielectric strength routine test prescribed at clause 23.2.1 of EN 60079-15.

IMQ 17 ATEX 015 X



The manufacturer shall carry out restricted breathing routine test prescribed at clause 23.2.3.2.1.2 of EN 60079-15.

[16.2] Conformity with the documentation:

The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.

Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;

the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

[16.3] Installation conditions:

Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as specified at clause 1, par. 2 of EN 60079-0.

Installation and use in atmospheric and environmental conditions that are out of above mentioned intervals request special considerations and additional measures by the side of installer or user.

Use a supply cable in conformity with the applicable standards for low voltage electrical installations and for electrical installations in hazardous areas associated with explosive atmospheres (EN 60079-14).

Install with cable glands supplied with equipment.

[17] Special Condition of use (X):

Lighting luminaires can be used in locations with low mechanical danger only.

Lighting luminaires has not test port. Replace gasket every time the enclosure is opened.

If the external flexible cable or cord of this appliance is damaged, it shall be replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

[18] Essential Health and safety Requirements:

This Statement **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Statement does not cover hazards coming from environmental conditions different from those clearly and precisely indicated in clause 1 of EN 60079-0.

ESHR 1.2.7: According Annex VIII of the Directive

ESHR 1.4: Not verified.

ESHR 1.5: Not applied

ESHR 3: Not applied

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report:

N/A: additional Requirements for the products have not been considered.

[19] descriptive documents:

DL-AT17-0008933-01, rev. 0, dated 2017-09-07, 57 pages.

[20] Statement Validity Conditions:

- The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.
- The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per [19]. One copy of the mentioned documentation is kept in IMQ file.

[21] In accordance with Article 41 of Directive 2014/34/EU, Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive

IMQ 17 ATEX 015 X



2014/34/EU. New issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

[22] Variations:

IMQ 17 ATEX 015 X

4/4

Questo Certificato di Prova è il risultato delle prove effettuate sul campione di prodotto presentato, seguendo le prescrizioni delle norme/ specifiche tecniche citate. È emesso in conformità al sistema di certificazione di prodotto della norma EN ISO/IEC 17067; pertanto, non implica un giudizio sulla produzione e non permette l'uso di un marchio di conformità. Solo la completa riproduzione di questo Certificato è permessa senza l'autorizzazione scritta dell'IMQ.

This Test Certificate is the result of testing a sample of the product submitted, in accordance with the provisions of the specified Technical Specifications/Standards. It is issued according to product certification system of EN ISO/IEC 17067; therefore, it does not imply any judgment on the production and it does not permit the use of a mark of conformity. Only full reproductions of this Certificate are allowed without written permission of IMQ.

