

# (1) CERTIFICATE OF CONFORMITY

Valid also as Declaration of Conformity

- (2) Equipment and protective systems intended to be used in potentially hazardous atmosphere – Directive 2014/34/EU
- (3) Certificate number:

## TNI 20ATEX0014 X

- (4) Equipment: **Luminares**
- (5) Type: **G2X\***
- (6) Manufacturer: Technor Italsmea SpA
- (7) Address: Via Italia 33, 20060 Gessate MI, Italy
- (8) This equipment or protective system is specified in the annex to this certificate and the documents therein referred to.
- (9) We, Technor Italsmea Spa, competent body in explosion safety and bearing Production Quality Assurance Notification INERIS 02ATEXQ402, herewith declare 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 directive 2014/34/EU. This Declaration of Conformity is issued under the sole responsibility of the manufacturer.
- (10) Compliance with the Essential Health and Safety Requirements for group II, category 3GD equipment has been assured by compliance with the following harmonized standards:
- IEC EN 60079-0:2018      - EN 60079-15:2010      - EN 60079-31:2014
- (11) The sign "X" placed after the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for issuing of certificates for equipment or protective systems.
- (12) This certificate only relates to the design, examination and tests of the above mentioned component in accordance to the directive 2014/34/EU.
- (13) The marking of the component includes the following:



II 3 G      Ex nA IIC T6 Gc  
II 3 D      Ex tc IIIC T85°C Dc IP66

Milano, October 8<sup>th</sup>, 2020

(14)

## ANNEX

(15) Certificate number:

**TNI 20ATEX0014 X**

(16) Description of component: luminaires G2X are designed for lighting of workings classified as zones 2 and 22 of gas and dust explosion hazard. The holder body is made of glass-fiber (GRP) reinforced polyester, while the anti-dazzle lampshade is in its inside lined with PC polycarbonate. The holder fastening elements are made of stainless steel or plastic. Besides the luminaires incorporating the T5 and T8 tubular fluorescent lamps, there are also the following versions:

- ü Luminaires including T5 and T8 tubular fluorescent lamps to be supplied from one- or three-hour Ni-Cd battery;
- ü Luminaires with LED module;
- ü Luminaires with LED module to be supplied from a three-hour Ni-Cd battery;
- ü Luminaires for cooperation with central battery.

Nominal voltage Un: 230 V AC/DC 50-60(0) Hz, 110V acc. to execution,  
230 V AC 50-60Hz – versions with battery

Nominal power: Pn: 14÷80W

Service temperature range -20°C ≤ Ts ≤ +40°C.

Cable entries are/shall be equipped with plugs or cable glands that shall be certified according to standards EN 60079-0, EN 60079-7, EN 60079-31.

(17) Test report: the design and the results of the examination and tests carried out, are documented in confidential technical construction file No. TNI 20/0014 held at the offices of Technor Italsmea Spa.

(18) Specific condition of Use:

- ü Don't open in the presence of explosive atmosphere.
- ü Open or operate without the main power.
- ü Clean covers periodically, in warm soapy water.
- ü The Luminaires G2X are intended for stationary installations.

(19) Essential health and safety requirements: met by compliance with Standards mentioned at (9)