

1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/34/EU**
3. EU-Type Examination Certificate Number: **EESF 19 ATEX 072X**
4. Product: **Explosion-proof light fixture**
Certified types: **SGL01...**
5. Manufacturer: **ZAVOD GORELTEX Co. Ltd.**
6. Address: **195176, Saint Petersburg, Revolutsii road, 18, lit. A**
Russian Federation
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Eurofins Expert Services Oy, Notified Body number 0537, in accordance with Article 17 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 report No. RU/CCVE/ExTR19.0007/00.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012/A11:2013 EN IEC 60079-7:2015/A1:2018 EN 60079-18:2015/A1:2017
EN 60079-28:2015**
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. 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 op is IIC T6...T4 Gb
IP54/IP66**

Espoo, 12.12.2019
Eurofins Expert Services Oy

Kari Koskela
 Expert

Ilkka Riihimäki
 Expert

This document is digitally signed.

13. **Schedule**14. **EU-Type Examination Certificate EESF 19 ATEX 072X**15. **Description of Product*****Equipment and systems covered by this certificate are as follows:***

Explosion-proof light fixture series SGL01... are intended for lighting of rooms, open production sites and other facilities where lighting is required.

Explosion-proof light fixture SGL01... series consists of an enclosure made of stainless steel or mild steel, light transmitting cover is made of tempered glass. A mounting plate with installed LED light sources, power supply unit, fuses and terminals for connection to external electric mains is located inside the enclosure.

The list of considered models of SGL01... series light fixtures is specified in the annex to this certification.

Electric mains or power supply units can be used as a power source.

The detailed description is given in the operating, safety and maintenance manual LGSA.1.016.2018.

16. **Report Number**

RU/CCVE/ExTR19.0007/00

17. **Specific Conditions of Use**

1. Cables used for connection of light fixtures shall be suitable for operation in the same temperature conditions as the relevant products and shall be resistant to the temperature which occurs on the surface of the enclosure.
2. Cable glands and other devices which can be installed are subject to a separate certification as Ex-equipment and they shall not invalidate the type of protection and IP degree of protection and shall correspond type of inserted cable.
3. Unused openings shall be plugged with certified plugs which do not invalidate the type of explosion protection and IP degree of protection of the light fixture.

18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

19. **Drawings and Documents**

Drawings and documents are listed in the confidential report RU/CCVE/ExTR19.0007/00.

Annex

Designation of the models of light fixtures series SGL01...

X1X2-X3X4-X5/X6/X7-X8/X9, where

X1 – Light fixture series: SGL;

X2 – Type number: 01;

X3 – Maximum luminous flux – see Table 1;

X4 – Type of light source: S - LED unit;

X5 – Designation of supply voltage: 12DC – 10...36V DC; 220AC – 110...230V AC; 220DC – 110...230V DC;

X6 – Material enclosure: N – stainless steel, M – mild steel;

X7 – Type of mounting (in accordance with the operating, safety and maintenance manual LGSA.1.016.2018);

X8 – Quantity and dimension type of cable glands (if any);

X9 – Options and accessories (if any, in accordance with the operating, safety and maintenance manual LGSA.1.016.2018).

Table 1 – Technical characteristics of SGL01... series LED light fixtures.

Model	Maximum luminous flux of the light source, lm	Installed power P_{inst} , W	Temperature class	Ambient temperature range, °C
SGL01-2480S...	2480	18,5	T6	$-60\text{ °C} \leq T_{amb} \leq +40\text{ °C}$
			T5	$-60\text{ °C} \leq T_{amb} \leq +60\text{ °C}$
SGL01-4960S...	4960	37	T6	$-60\text{ °C} \leq T_{amb} \leq +40\text{ °C}$
			T5	$-60\text{ °C} \leq T_{amb} \leq +50\text{ °C}$
			T4	$-60\text{ °C} \leq T_{amb} \leq +60\text{ °C}$

The light fixtures can have additional designation “QFM...” or “UVG...” in accordance with “ZAVOD GORELTEX” Co. Ltd. classifier.