



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx CCVE 19.0006X

Issue No: 0

Certificate history:

Issue No. 0 (2019-02-22)

Status: **Current**

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Date of Issue: **2019-02-22**

Applicant: **"ZAVOD GORELTEX" Co. Ltd.**
195176, Saint Petersburg, Revolutsii road, 18, lit. A
Russian Federation

Equipment: **Explosion-proof light fixture series SGL01...**
Optional accessory:

Type of Protection: **increased safety "e", type of protection "op is", encapsulation "m"**

Marking:
Ex eb mb op is IIC T6...T4 Gb
IP54/IP66

*Approved for issue on behalf of the IECEx
Certification Body:*

Alexander Zalogin

Position:

Head of CB CCVE

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

NANIO CCVE
Zavod ECOMASH, VUGI Settlement
Lyubertsy, Moscow region
140004
Russian Federation





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Manufacturer: **"ZAVOD GORELTEX" Co. Ltd.**

193149, Novosaratovka township area, liter A, Vsevolzhsky district, Leningrad region
Russian Federation

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2014 Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[RU/CCVE/ExTR19.0007/00](#)

Quality Assessment Report:

[RU/CCVE/QAR16.0004/00](#)

[RU/CCVE/QAR16.0004/01](#)



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Schedule

EQUIPMENT:

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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.

Annex:

[Annex IECEx CCVE 19.0006X.pdf](#)

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Issue No. 0

Annex to IECEx CCVE 19.0006X

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.