

[ 1 ] **TYPE EXAMINATION CERTIFICATE**

[ 2 ] Equipment intended for use in potentially explosive atmospheres – Directive 2014/34/EU

[ 3 ] Type examination certificate Number: **CETS 23 ATEX 048 X** Issue:0

[ 4 ] Equipment: LED luminaires series DSP39.

[ 5 ] Manufacturer: JOINT STOCK COMPANY “ARDATOVSKIY SVETOTECHNICHESKIY ZAVOD”, JSC “ASTZ”

[ 6 ] Address: 431890, Republic of Mordovia, Ardatovskiy area, Settlement Turgenevo, Zavodskaya street 73.

[ 7 ] This equipment any of acceptable variation thereto is specified in the schedule to this certificate and the documents herein referred to.

[ 8 ] The Certification body SIA «CE-Test», notified body number 2861 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this equipment 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 Evaluation report number 048/2023 from 08.11.2023.

[ 9 ] Compliance with Essential Health and Safety Requirements has been assured by compliance with: EN IEC 60079-0:2018, EN 60079-15:2010.

[ 10 ] The ‘X’ suffix after the certificate number indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 17.

[ 11 ] This Type Examination Certificate relates only to the design and construction of the specified equipment and not to specific items of equipment subsequently manufactured.

[ 12 ] The marking of the equipment shall include the following

 II 3G Ex nR IIC T6 Gc X  
II 2D Ex tb IIIc T80°C Db X

+40°C ≤ Tamb ≤ +40°C

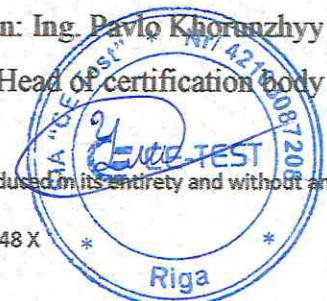
Date of certification: 15.11.2023

Responsible person: Ing. Pavlo Khoranzhyy

Head of certification body

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

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[ 13 ] SCHEDULE

[ 14 ] TYPE EXAMINATION CERTIFICATE: **CETS 23 ATEX 048 X** Issue: 0

[ 15 ] Description of Product

LED luminaires series DSP39 consist of a metal body and a light-transmitting glass element forming a shell, inside which the LED elements and electronic converter device are located. The electronic converter device for powering the LED elements is mounted on a plate inside the housing.

The metal body is made of aluminum alloy containing no more than 7.5% Mg, Ti and Zr in total. The metal body also serves for cooling LED luminaires. Electrical power is connected in the input compartment to the terminal block. The luminaire is connected via a permanently connected cable through a cable gland.

Types of LED luminaires:

DSP - X X - X X - X X X  
a b c d e f g h i j

position	explanation	Possible values	Value explanation
a, b, c	General product selector	DSP	D – LED, S – Suspension, P - industrial
d, e	Execution	39	Name of series
f, g	Power	20; 40; 50	Power in W
h	Type of luminaire power curve	D; G+D; special	PFA
i	Luminaire control type	0	driver without control
j	Diffuser	1; 2	1-matte diffuser, 2- transparent diffuser

Table 1. Main technical characteristics

Name of indicator, unit of measurement	Value
Voltage AC, V	100 to 277
Frequency, Hz	47 to 63
Power, W	20; 40; 50
The degree of protection of the shell in accordance with IEC 60529:2013	IP67
Ambient temperature, °C	-40 ≤ T <sub>amb</sub> ≤ +40

For a more detailed description of the design, please refer to the relevant instruction manual.

[ 16 ] Test Report

The examination and test results are recorded in confidential Evaluation Report number 048/2023 from 08.11.2023

[ 17 ] Specific conditions of use

- the equipment is produced with a permanently connected cable (long, as agreed with the customer);

[ 18 ] Essential health and safety requirements

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The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information: None.

[ 19 ] Drawings and Documents

The documents are listed in the Evaluation report number 048/2023 from 08.11.2023

Title Technical Documents	Decimal number	Date
Technical documentation	TU 27.40.39-065-05014337-2018	2018
Operation manual with passport	IDGC.676 339.098 RE	2018
Assembly drawing	IDGC.676 339.098 RE	2018
Marking drawing	-	2018