 International Center for Quality Certification EU Notified Body No. 2549	<b>International Center for Quality Certification - ICQC Ltd.</b> <b>63-19, Skolas street, Jurmala, LV-2016, Latvia</b> <b>Phone: +371 27168371 E-mail: office@icqc.lv Web: www.icqc.lv</b> SIA „International Center for Quality Certification - ICQC” Reg. Nr. LV40103539825 Skolas iela 63-19, Jūrmala, LV-2016, Latvija



# (1) EU-TYPE EXAMINATION CERTIFICATE

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **ICQC 18 ATEX 0413**

(4) Equipment: **Lighting fixture type DSP19UEx**

(5) Manufacturer: **OSP Vatra Corporation LLC**

(6) Address: **46 Mikylinetska Street, 46005 Ternopil, Ukraine**

(7) This equipment and any acceptable variation, also documents which are specified in the schedule to this certificate.

(8) The certification body ICQC, Notified body No. 2549 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 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 equipment and protective systems 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 **413/2018/08/ATEX**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-28:2015, EN 60079-31:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. These are not covered by the certificate

(12) The marking of the equipment or protective system shall include the following:

 **II 2G Ex db eb op is IIB T6 Gb or II 2D Ex tb op is IIIC T80°C Db -40°C≤Ta≤+40°C**

Head of Certification Body:



Sergey Kovalev

Date of issue: 19 November, 2018  
 Jurmala, Latvia



(13) **SCHEDULE**

(14) **to EU-TYPE EXAMINATION CERTIFICATE: ICQC 18 ATEX 0413**

(15) **Description of Equipment:**

The lighting fixture type DSP19UEx consists of light block compartment in type of protection flameproof enclosure “d” and terminal compartment in type of protection increased safety “e” with a terminal block and two openings M20 for cable glands. The cable is sealed at the entry point with a rubber o-ring with a push sleeve.

Flameproof enclosure of light block consists of housing, light-transparent cap, which is made of tempered borosilicate glass, ring and gasket interconnected with steel bolts. There is electrical block (LED module) in the light block. LEDs are mounted on special radiators for diversion and dissipation of heat power, which is emitted from LED crystal. Terminal and light block compartments are connected together by bushing with encapsulated cores of cable. There is an external ground clamp on the housing and internal grounding clamp in the terminal compartment.

Unused entries shall be closed with appropriated blanking elements. Only certified cable glands and blanking elements in accordance with EN 60079-14 current edition and rated IP66 (or higher) shall be used in terminal compartment.

The maximal optical power of the LED module on the surface of light-transparent cap the does not exceed the value for Group IIB, temperature class T6 equipment (35 mW).

There are following features available in the DSP19UEx:

Parameters	Type					
	DSP19UEx-35-001; -002	DSP19UEx-30-001; -002	DSP19UEx-22-001; -002	DSP19UEx-16-001; -002	DSP19UEx-12-001; -002	DSP19UEx-10-001; -002
	Value					
Rated power	35 W	30 W	22 W	16 W	12 W	10 W
Supply voltage	90~264VAC (50/60Hz) or 127~370VDC					
Cable	outer shell Ø7-13 mm (Ø6,1-11,5 mm; Ø6,1-13,2 mm; Ø9,5-15,9 mm)					
Protection level	IP 66					
Ambient temperature	-40°C to +40°C					

Routine tests:

Routine tests according to cl. 7 of EN 60079-7 shall be conducted for Exe terminal block with a test voltage of 1528 V.

Routine tests according to cl. 16 of EN 60079-1 shall be conducted for Exd light block compartment with a test pressure of 0,96 MPa.

(16) **Descriptive Documents:**

VATRA.Ex.043 Lighting fixture type DSP19UEx Operation manual.

The drawings are listed in Evaluation report No: 413/2018/08/ATEX

(17) **Specific conditions of use:**

None.

(18) **Essential Health and Safety Requirements:**

Met by compliance with the standards mentioned in clause (9).