



# OBAC



AC 099

## Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o. 44-121 Gliwice, ul. Łabędzka 21

### (1) EU-TYPE EXAMINATION CERTIFICATE

(2) Equipment, products and protective systems intended for use in Potentially Explosive Atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.

(3) EU type examination certificate No: **OBAC 21 ATEX 0423X, Issue 0**

(4) Equipment: **Explosion proof luminaire  
EOX 400 ... LED ...LM ... ..**

(5) Manufacturer: **BPE Lighting s.c.**

(6) Address: **ul. Daniela Chodowieckiego 7, 80-208 Gdańsk**

(7) This equipment, product or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Institute for Research and Certification „OBAC” Ltd., notified body No.1461 in accordance with Article 17 and Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment, product or protective system 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 and the list of agreed technical documentation are recorded in the confidential report No. OBAC/21/ATEX/0423.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018      EN IEC 60079-7:2015+A1:2018      EN 60079-31:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment, product or protective system 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 equipment, product or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment, product or protective system. These are not covered by this certificate.

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

 **II 3G Ex ec IIC T4 Gc**

 **II 2D Ex tb IIC T85°C Db**



**Certification Body  
Manager**

**Piotr Tarnawski M. Com.**

Gliwice, 12 October 2021



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## SCHEDULE

(13)

to the EU-Type Examination Certificate

(14)

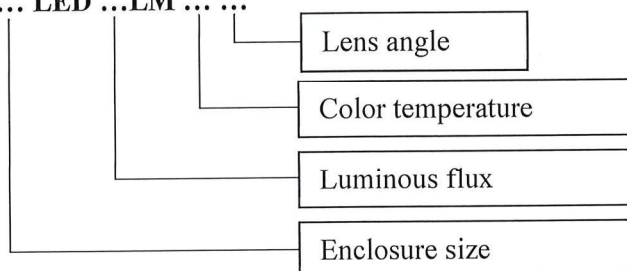
No. OBAC 21 ATEX 0423X, Issue 0

(15) Ex Product description:

Explosion proof luminaire EOX 400 ... LED ...LM ... are suitable for use in potentially explosive atmospheres zones 2 (G) and 21 (D). The device's body is made of aluminium and closed with cover provided with tempered safety glass light source protection. Inside the case all electrical components - terminals, modules and LED driver are installed. The case has one entry in the form of unthreaded hole in which separately Ex certified M20 cable gland is mounted.

### Marking:

EOX 400 ... LED ...LM ... ..



### Rated data:

Supply voltage	220÷240V AC
Supply frequency	50 / 60 Hz
Current	max. 16A
System wattage	up to 212W
Housing material	aluminium
Lid material	tempered glass
Degree of protection	IP65





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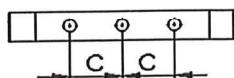
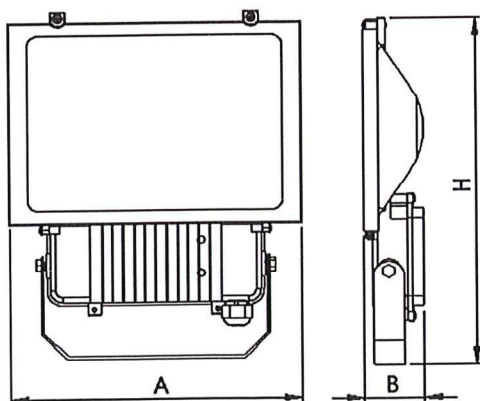
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(13)

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Type designation	Wattage (W)	Dimensions (mm)				Optics of light distribution	Color temp.	Weight (kg)	Ambient temperature range
		A	B	C	H				
EOX 400 M LED 4401LM ... ..	34	280	60	50	339	S12, S30, S45, S60, S90, S120, SA1, SA2, SM1-street	3000K, 4000K, 5000K	-30°C ≤ T <sub>a</sub> ≤ +40°C	
EOX 400 M LED 6101LM ... ..	53	280	60	50	339				2,8
EOX 400 L LED 8801LM ... ..	69	353	66	75	445				5
EOX 400 L LED 12101LM ... ..	105	353	66	75	445				5
EOX 400 XL LED 15102LM ... ..	132	420	87	100	516				7,6
EOX 400 XL LED 18201LM ... ..	160	420	87	100	516				7,6
EOX 400 XL LED 24201LM ... ..	212	420	87	100	516			7,6	-30°C ≤ T <sub>a</sub> ≤ +25°C





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No. OBAC 21 ATEX 0423X, Issue 0**

(16) Report:

– OBAC/21/ATEX/0423.

(17) Specific conditions of use:

– Ambient temperature range:

EOX 400 XL LED 24201LM ... .. (212W) version

other

$-30^{\circ}\text{C} \leq T_a \leq +25^{\circ}\text{C}$ ,

$-30^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ .

– WARNING – do not open when an explosive atmosphere is present.

– WARNING – do not open when energized.

Notes for manufacture, installation and operation:

– Each luminaire shall be subjected to dielectric strength test, according to clause 7.1 of EN 60079-7.

– Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted.

Ex entry devices manufacturer's instructions must be followed.

(18) Essential health and safety requirements:

Met by compliance with the requirements mentioned in item 9.

