GIG

PCA
POLSKIE CENTRUM AKREDYTACJI
CERTYFIKACJA WYROBÓW
AC 038

INTERNATIONAL IAF ACCREDITATION FORUM

ATEX

[1] # TYPE EXAMINATION CERTIFICATE

[2] Equipment, protective systems and components intended for use in potentially explosive atmospheres - Directive 94/9/EC

[3] Type examination certificate:

KDB 15ATEX0049X

[4] Equipment:

Explosionproof light fitting type EXL210LED

[5] Manufacturer:

ATM Lighting sp. z o.o.

[6] Address:

ul. Budowlanych 31, 80-298 Gdańsk

Poland

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

[8] Główny Instytut Górnictwa on the basis of the Directive 94/9/EC of 23 March 1994, certifies that this equipment, protective system, part or component 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 KDB No. 15.070 [T-7287]

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013; EN 60079-15:2010 ;
EN 60079-31:2009 ;

[10] If the sign „X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This type examination certificate relates only to the design and construction of the specified equipment and protective system in accordance with Directive 94/9/EC.
Further requirements of the Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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

Ex **II 3G Ex nA IIC T4 Gc**
II 3D Ex tc IIIC T65°C IP66/IP67 Dc

or

Ex **II 3G Ex nA IIC T4 Gc**
II 3D Ex tc IIIC T70°C IP66/IP67 Dc

Główny Instytut Górnictwa w Katowicach Jednostka Certyfikująca Zespół Certyfikacji Wyrobów KD „Barbara" Mikołów

Specjalista ds. Certyfikacji Urządzeń Przeciwwybuchowych
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Product certification program no: PCW-ISO/IEC-1b
CODE ICS 13.230

13 # SCHEDULE

14 **Type Examination Certificate KDB 15ATEX0049X**

[15] **Description:**

Explosionproof light fittings type EXL210LED are category 3 equipment designed to illuminate indoor and outdoor areas.

Luminaires are built as one chamber equipment. Body and diffuser are made from polycarbonate, mounting tray and brackets from galvanized steel, buckles from stainless steel.

LED modules are used as a light source.

There are following types of explosionproof light fittings:

EXL210LED - ** - E* - 35E - ** - ***** - PC- PC**

housing lenght[mm]:
600 - 680mm
1200 - 1290mm
1500 - 1590mm

E - Ex LED modules
the quantity of LED modules:
(2, 4, 6, 8)

35E - rated voltage 230V, 0/50-60Hz

wiring:
30 - three wires (L, N, PE) no crossing conduit
33 - three wires (L, N, PE) with crossing conduit

cable glands:
10 -one cable gland
11 - two cable glands
type of cable gland:
P20 - non-metallic M20 cable gland
P25 - non-metallic M25 cable gland
M20 - metal M20 cable gland
M25 - metal M25 cable gland
RST - socket and plug RST20/3S, manufacturer Wieland

housing material
PC - polycarbonate

diffuser material
PC - polycarbonate

SCHEDULE

Type Examination Certificate KDB 15ATEX0049X

Depending on the type of the device include the following marking:

EXL210LED - 600 - E (2 - 4) - 35E - ** - ***** - PC- PC

II 3G Ex nA IIC T4 Gc
II 3D Ex tc IIIC T70°C IP66/IP67 Dc

EXL210LED - 1200 - E (2 - 8) - 35E - ** - ***** - PC- PC

II 3G Ex nA IIC T4 Gc
II 3D Ex tc IIIC T65°C IP66/IP67 Dc

EXL210LED - 1500 - E (2 - 8) - 35E - ** - ***** - PC- PC

II 3G Ex nA IIC T4 Gc
II 3D Ex tc IIIC T70°C IP66/IP67 Dc

Technical parameters:

Rated voltage	**230V, 0/50-60Hz**
Maximum crossing conduit current	**16A**
Ambient temperature	**-20°C ÷ +40°C** for variant EXL210LED - 1200 - E 8 - 35E - ** - ***** - PC- PC **-20°C ÷ +45°C** for other variants
Ingress protection IP	**IP66/IP67** **IP65** - when used RST 20/3S type connector

[16] **Test report:**

Test report KDB Nr 15.070

[17] **Special conditions for safe use:**

- Body and diffuser are made from non-metallic material - electrostatic discharge danger, cleaning remarks are included in manual.

[18] **Essential health and safety requirements:**
Met by compliance with standards listed below:

EN 60079-0:2012 + A11:2013 (PN-EN 60079-0:2013-03 + A11:2014-03);
EN 60079-15:2010 (PN-EN 60079-15:2010);
EN 60079-31:2009 (PN-EN 60079-31:2011);

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