



KDBEX

EU TYPE EXAMINATION CERTIFICATE

- [1] Equipment and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817)
- [2] EU type examination certificate (module B):
KDB 24ATEX0002X **0 edition**
- [3] Equipment:
**Explosion-proof luminaires
type EXP 03-MLED.../ATEX**
- [4] Manufacturer:
Remontowa Lighting Technologies S.A.
- [5] Address:
ul. Na Ostrowiu 1, 80-958 Gdańsk, POLAND
- [6] The equipment or protective system and any acceptable variations thereto are specified in the schedule to this certificate.
- [7] Główny Instytut Górnictwa – Państwowy Instytut Badawczy, Notified Body no 1453 according to Directive 2014/34/EU of February 26, 2014, approves that the equipment or protective system specified in this certificate has been found to comply with the essential health and safety requirements for the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere given in Annex II to Directive 2014/34 /EU (Załącznik nr 2 Rozporządzenia Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The results of the assessment and examinations as well as the list of agreed documentation are recorded in the confidential Report **KDB No 24.005 [T-7778]**
- [8] The essential health and safety requirements have been met by compliance with the requirements of the following standards:
**EN IEC 60079-0:2018; EN 60079-7:2015;
EN IEC 60079-7:2015/A1:2018; EN 60079-31:2014**
- [9] If sign "X" is placed after the certificate number, this means the special conditions of use set out in the schedule to this certificate.
- [10] This EU type examination certificate relates only to the construction, assessment and testing of the specified product in accordance with Directive 2014/34 /EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The certificate shall not cover the remaining requirements of the Directive regarding the manufacturing process and placing the equipment or protective system on the market.
- [11] The marking of the equipment shall include the following:



**II 3G Ex ec IIC T6 Gc
II 2D Ex tb IIIC T65°C IP66/IP67 Db**

KIEROWNIK
Zespołu ds. Bezpieczeństwa Przeciwwybuchowego
Jednostki Oceny Zgodności
GŁÓWNEGO INSTYTUTU GÓRNICTWA -
Państwowego Instytutu Badawczego

mgr inż. Mirosław Krzystolik
ATEX Certification
Expert



KIEROWNIK
Jednostki Oceny Zgodności
Głównego Instytutu Górnictwa -
Państwowego Instytutu Badawczego

dr inż. Dariusz Stefaniak

Date of issue : 26. 01. 2024

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SCHEDULE
EU type examination certificate
KDB 24ATEX0002X 0 edition



[15] Description:

Luminaries type EXP 03-.../ATEX have a body made of steel sheet. The lampshade is made of polycarbonate.

Luminaires have type of explosion protection - increased safety „ec” and protection by enclosure „tb”.

The luminaires are made in the following variants:

EXP 03-MLED XXX/YYY/ZZZ/BB/AA/PPP/SSS/QQ/ATEX - light source LED

| XXX | YYY | ZZZ | BB | | PPP | SSS | QQ9 | |
|--------|------------|-------------|-------|------------------|-------------|----------------------|---------------|----------|
| LENGTH | LED MODULE | LIGHT COLOR | COVER | EMERGENCY OPTION | CABLE ENTRY | VARIANT CABLE GLANDS | BODY MATERIAL | MOUNTING |
| 220 | 211 | 830 | - | - | K | 10 | - | W |
| 240 | 411 | 840 | LC | A3 | KA | 11 | S | H |
| | | 850 | | | P | 13 | S316 | N |
| | | 865 | | | PA | 20 | | WN |
| | | | | | PAK | 21 | | WD |
| | | | | | | 23 | | |

Luminaries can be equipped with emergency variant (marking code A3).

Inside the luminaires can be built-in following electrical equipment Ex:

Emergency converter:

- type 3 D 180 14 0 with cell package 6v 4Ah prod. Luxtronic marking Ex ec IIC Gc; IECEX IBE 17.0007U;

Terminal block:

- type 262-... manufacturer WAGO marking II 2G Ex eb IIC Gb; I M2 Ex eb I Mb; PTB 98ATEX3125U)

Cable glands:

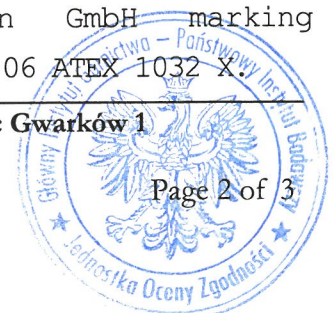
- type EMSKE manufacturer WISKA Hoppmann GmbH marking II 2G Ex eb IIC Gb, 2D Ex tb IIIC Db; PTB 04 ATEX 1112X, or type ESKE manufacturer WISKA Hoppmann GmbH marking II 2G Ex eb IIC Gb, 2D Ex tb IIIC Db; PTB 13 ATEX 1015X , or type E1FX5 manufacturer ATEX APPLETON marking II 2G Ex e II; LICE 99 ATEX 6030X.

Plug:

- type Ex EMVS manufacturer WISKA Hoppmann GmbH marking II 2G Ex eb IIC Gb, II 2D Ex tb IIIC Db; PTB 05 ATEX 1106
- type Ex EMVS manufacturer WISKA Hoppmann GmbH marking II 2G Ex eb IIC Gb, II 2D Ex tb IIIC Db ; PTB 06 ATEX 1032 X.

**Główny Instytut Górniczo – Państwowy Instytut Badawczy, 40-166 Katowice, Plac Gwarków 1
Jednostka Oceny Zgodności, 43-190 Mikołów, ul. Podleska 72**

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Luminaries can be equipped with maximum four cable glands.

Technical parameters:

| Variation | EXP 03-MLED220 | EXP 03-MLED240 |
|--------------------------------|--|-----------------|
| Rated voltage: | 110V - 240V±10% AC | |
| | 50/60Hz | |
| Light sources: | LED module 27 W | LED module 45 W |
| Passing cable maximum current: | 16A | |
| Ambient temperature range: | -25°C do +50°C 0°C do +40°C (ver. A3 z with emergency module) | |
| Degree of protection IP: | IP66 / IP67 | |

[16] Test Report:

"ATEX assessment report" KDB No 24.005

[17] Special conditions of use:

- On the lampshade inscription indicating the security measures to be used during the operation to avoid the risk of ignition caused by static electricity. Details of the procedure are set forth in the instruction manual.

[18] Essential health and safety requirements:

Met by fulfilling the requirements of the following standards:

EN IEC 60079-0:2018; EN 60079-7:2015;
EN IEC 60079-7:2015/A1:2018; EN 60079-31:2014

Document history:

- EU Type examination certificate KDB 24ATEX0002X of 26.01.2024 initial certification (issue 0).

