

KSC POLAND Sp. z o.o.

(1) EU-TYPE EXAMINATION CERTIFICATE

- (2) **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**
- (3) EU-Type Examination
Certificate No.: **KSCP 21ATEX0010X**, Issue: 0
- (4) Product: **Flame-Proof LED Light QLEX-SLM-*****
- (5) Manufacturer: **QLight Co., Ltd.**
- (6) Address: **185-25, Mukbang-ro, Sangdong-myeon, Gimhae-si,
Gyeongsannam-do, Korea, Republic of**
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KSC POLAND Sp. z o.o., Notified Body number 2877, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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 Report No. **KSCP/AR/21/Q00106**
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 **EN 60079-1:2014**
- (10) If the sign "X" is placed after the certificate number, it indicates that the product 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 product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:

 **II 2G Ex db IIC T6 Gb**

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Signature
President of the Board



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SCHEDULE

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(15) Description of Product:

Flame-Proof LED Light QLEX-SLM-*** series is a tube shaped flame-proof lighting lamp. Lamp housing consists of two AL6061 aluminum caps which attach the a translucent tube part made of polycarbonate. Inside lamp enclosure there is LED Module LED driver Module mounted on cooling rod. Lamp front cap have a threaded cover with M12 cable entry located on the middle of it and earthing bolt on side. The internal ground is connected to the ring terminal inside the end cover.

Rating:

QLEX-SLM-250:	24VDC, 0.37A, 8.6W AC220V : Max. 0.04A ,Max. 9.0W
QLEX-SLM-650:	DC24V : Max. 0.83A, Max. 20W AC220V, 50/60Hz, 0.105A, Max. 23W
Ingress protection	IP 66/67
Ambient temperature	QLEX-SLM-250(AC/DC): $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq + 60^{\circ}\text{C}$ QLEX-SLM-650(DC): $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq + 60^{\circ}\text{C}$ QLEX-SLM-650(AC): $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq + 55^{\circ}\text{C}$

(16) Report Number:

– **KSCP/AR/21/Q00106**

(17) Specific Conditions of Use:

- i. Do not open, maintain or service in area where an explosive atmosphere may be present.
- ii. After de-energizing lamp, delay 5 minutes before opening enclosure.
- iii. The equipment does not satisfy the requirements of EN IEC 60079-0 CL 7.4 Electrostatic charges on external non-metallic materials – See instructions for guidance to minimize the risk of electrostatic discharge.
- iv. The device input should be made through the “Ex d”, EN 60079-1 certified cable gland. Service temperature at cable entry point and/or cable branching point is 74°C.

(18) Essential Health and Safety Requirements:

Essential Health and Safety Requirements are ensured by conformity with standards listed at item 9 of this certificate.



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(19) Drawings and Documents:

– Documentation agreed, provided by manufacturer:

Title:	Drawing No.:	Rev. Level:	Date:
QLEX-SLM-250	EX-QLEXSLM-001	0	19.10.28
QLEX-SLM-250_PC TUBE	EX-QLEXSLM-002	0	19.10.12
QLEX-SLM_CONNECTION COVER	EX-QLEXSLM-003	0	18.10.02
QLEX-SLM_SIDE COVER	EX-QLEXSLM-004	0	18.10.02
QLEX-SLM_END COVER	EX-QLEXSLM-005	0	18.10.02
QLEX-SLM-250_NAME PLATE	EX-QLEXSLM-006	0	19.10.08
QLEX-SLM_WARNING LABEL	EX-QLEXSLM-007	0	18.10.02
QLEX-SLM-JOINT	QLEXSLM-008	0	18.10.02
QLEX-SLM-250-COOLING-ROD	QLEXSLM-009	0	18.10.15
QLEX-SLM-PACKING	QLEXSLM-010	0	19.12.20
QLEX-SLM-O-RING	QLEXSLM011	0	18.10.02
QLEX-SLM-END_COVER-O-RING	QLEXSLM012	0	17.12.14
QLEX-SLM-250-LED PCB	QLEXSLM013	0	19.10.29
QLEX-SLM-250-MAIN CONTROL PCB	QLEXSLM014	0	19.10.08
HEX SOC HD M4x20L	QLEXSLM015	0	18.10.02
HEX SOC HD M4x6L	QLEXSLM016	0	18.10.02
SET SCREW M3x4L	QLEXSLM017	0	18.10.02
SET SCREW M4x10L	QLEXSLM018	0	21.03.05
WASHER-SPRING M4	QLEXSLM019	0	18.10.02
QLEX-SLM-650	EX-QLEXSLM650-001	0	20.02.20
QLEX-SLM-650_PC TUBE	EX-QLEXSLM650-002	0	19.08.12
QLEX-SLM-650_NAME PLATE	EX-QLEXSLM650-006	0	19.10.08
QLEX-SLM-650-COOLING-ROD	QLEXSLM650-009	0	18.10.15
QLEX-SLM-650-LED PCB	QLEXSLM650-013	0	19.10.29
QLEX-SLM-650-MAIN CONTROL PCB	QLEXSLM650-014	0	19.10.08

– User Manual:

Title	Document No.	Sheets	Rev.
Explosion Proof LED Work Light QLEX-SLM	EN-QLEX-SLM-250-1910A	6	Ver 1.0

A detailed list of documents necessary to identify the approved type is included in the Report referred to in point 16 of this certificate.

(20) Certificate history:

Issue	Issue date	Notes
0	07 th May, 2021	Initial certification

