

No. 2021-084290-01-1



안전인증서

Certificate of Safety

Qlight Co., Ltd.

185-25, Mukban-ro Sangong-myeon, Gimhae-si, Gyeongsangnam-do, 50805, Rep. of Korea

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 84 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 1 of Article 110 of ENFORCEMENT ORDINANCE OF the same ACT.

Electrical Equipment

Flame-proof Low Intensity LED Aviation Obstruction Light

Model(Marking) / Certificate No.

QEAL1-**-*(Ex db IIC T4 Gb) / 20-KA2BO-0714X

Applied standards

Announcement No. 2021-22 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s): This certificate is valid only for the specified products produced at '185-25, Mukban-ro Sangong-myeon, Gimhae-si, Gyeongsangnam-do, 50805, Rep. of Korea'.

2. Description of equipment

- This equipment is a flameproof type of aviation obstruction luminaire.
- Rating: (12/24) Vdc or (110-240) Vac, Max. 13 W
- Ambient Temperature: $-40\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$
- LED module: SZR05A0A(Manufacturer: Seoul Semiconductor)
- IP66 degree of protection according to IEC 60529.

3. Scope of certification: This certificate is only valid for below model.

·QEAL1-(a)-(b)

(a)	12, 24, 110-240
(b)	R

4. Special conditions for safe use

- For information on the dimensions of the flameproof joints, the manufacturer shall be contacted.
- Use Fasteners with yield stress $\geq 737\text{ MPa}$, where the 737 MPa is determined by the applicable testing.
- It shall be mounted in accordance with Clause 18 of Table 6 of announcement No. 2021-2 of the Ministry of Employment and Labor.
- This equipment is to be installed in a structure that does not cause fall because the risk of falling is not evaluated.

5. Details of certificate changes

- 1st revision(2021.12.06): Addition of internal part(heatsink) and in change of rating the No. 2020-039431-01-1.

6. Details of the others

- Refer to the user manual.
- Routine Test: Each product shall be submitted successfully to a static overpressure test of 1654 kPa.
- Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.

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한국산업기술시험원장
KOREA TESTING LABORATORY

