



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx KTL 19.0010X

Issue No: 1

Certificate history:

[Issue No. 1 \(2019-05-07\)](#)

[Issue No. 0 \(2019-03-11\)](#)

Status: **Current**

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Date of Issue: **2019-05-07**

Applicant: **SUNIL ELECOMM CO., LTD.**

21-19, Jangsu-ro 342beon-gil, Jangsu-myeon, Yeongju-si, Gyeongsangbuk-do
Korea, Republic of

Equipment: **Pendant light, EX**d-**** Series**

Optional accessory:

Type of Protection: **Flameproof enclosures "d", Increased safety "e"**

Marking:

Ex db eb IIC T6 Gb

*Approved for issue on behalf of the IECEx
Certification Body:*

Park Jong-koo

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

Korea Testing Laboratory
87, Digital-ro, 26-gil, Guro-gu
Seoul
Korea, Republic of





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Manufacturer: **SUNIL ELECOMM CO., LTD.**
21-19, Jangsu-ro 342beon-gil, Jangsu-myeon, Yeongju-si, Gyeongsangbuk-do
Korea, Republic of

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[KR/KTL/ExTR19.0009/00](#) [KR/KTL/ExTR19.0009/01](#)

Quality Assessment Report:

[KR/KTL/QAR18.0004/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Pendant light, EX**d-**** Series, comprises an enclosure with a metallic body, metallic globe frame and globe made of tempered glass. The value of appropriate torque for connection per manufacturer is 1.7 Nm. The equipment gives a degree of protection IP66 in accordance with IEC 60529.

Ambient temperature

-35 °C ~ +50 °C

Electrical data

Rated voltage: max. 240 Vac, (50/60) Hz, 24 Vdc

Rated wattage

- Fluorescent lamp(max. 240 Vac): 23 W

- LED bulb(max. 240 Vac): 10 W, 14 W, 15 W, 20 W

- LED bulb(max. 24 Vdc): 5 W, 7 W, 9 W, 12 W

Model configuration

Refer to the annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Special fasteners with property class at least A2-50 shall be used.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The material(aluminum alloy) for enclosure has been added.

Annex:

[Annex to IECEx KTL 19.0010X\(issue1\).pdf](#)

87, Digital-ro 26-gil, Guro-gu, Seoul, Korea	 한국산업기술시험원 Korea Testing Laboratory
Reference IECEx document	IECEx KTL 19.0010X(issue1)
Reference project number	PI182870

[Annex to IECEx KTL 19.0010X(issue1)] Relevant type designations

EXabd-cefg

Symbol	Description	Option	
a	Light source	LED	LED lamp
		FL	Fluorescent lamp
b	Wattage of bulb	05	5 W (LED, dc)
		07	7 W (LED, dc)
		09	9 W (LED, dc)
		10	10 W (LED)
		12	12 W (LED, dc)
		14	14 W (LED)
		15	15 W (LED)
		20	20 W (LED)
		23	23 W (Fluorescent)
d	Flameproof housing		
c	Material of housing	A	Aluminum alloy
		B	Brass
e	Voltage	01	220 Vac
		02	100 Vac
		03	24 Vdc
		04	230 Vac
		05	240 Vac
f	Threaded type of entries	G	1/2NPT
		H	3/4NPT
		M	M20
		Q	M25
g	The number of entries	1	1 ea
		2	2 ea