



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 19.0022X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-07-17\)](#)

Status: **Current**

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Date of Issue: **2019-07-17**

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

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

Equipment: **Ceiling light, EXLEDC**e-****-* series**

Optional accessory:

Type of Protection: **Increased safety "eb"**

Marking:

Ex db eb mb op is IIC T4 Gb
Ex eb mb op is IIC T4 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





IECEX Certificate of Conformity

Certificate No: IECEx KTL 19.0022X Issue No: 0
Date of Issue: 2019-07-17 Page 2 of 3
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 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

*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/ExTR19.0022/00](#)

Quality Assessment Report:

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Ceiling light, EXLEDC**e-****-* series, comprise the metallic body and the cover made from polycarbonate. Four entries can be located on the body. Thread type can be 1/2NPT, 3/4NPT, M20 or M25. The equipment gives a degree of protection IP66/67 according to IEC 60529 after pre-conditioning by IEC 60079-0. Certified Ex Components are employed as follows.

a) Enclosure

IECEX KTL 19.0014U, Ex eb IIC Gb/ Ex tb IIIC Db(certified to IEC 60079-0:2011, IEC 60079-31:2013, and IEC 60079-7:2015)

b) Electronic ballast

IECEX PRE 14.0039U, Ex eb mb IIC T4 Gb(certified to IEC 60079-0:2011, IEC 60079-18:2014, and IEC 60079-7:2015)

c) LED lamp

IECEX PRE 15.0014U, Ex mb op is IIC Gb(certified to IEC 60079-0:2011, IEC 60079-18:2014 and IEC 60079-28:2015)

d) Terminal block

IECEX PTB 08.0048U, Ex eb IIC Gb(certified to IEC 60079-0:2011, and IEC 60079-7:2006)

IECEX PTB 04.0003U, Ex eb IIC Gb(certified to IEC 60079-0:2011, and IEC 60079-7:2015)

IECEX PTB 04.0004U, Ex eb IIC Gb(certified to IEC 60079-0:2011, and IEC 60079-7:2015)

e) Limit switch

IECEX KTL 18.0018U, Ex db IIC Gb(certified to IEC 60079-0:2011, and IEC 60079-1:2014)


Refer to the annex for further specifications.

SPECIFIC CONDITIONS OF USE: YES as shown below:

POTENTIAL ELECTROSTATIC CHARGE - SEE INSTRUCTIONS

Annex:

[Annex to IECEX KTL 19.0022X\(issue0\).pdf](#)

87, Digital-ro 26-gil, Guro-gu, Seoul, Korea	
Reference IECEx document	IECEX KTL 19.0022X(issue0)
Reference project number	PI190500

[Annex to IECEx KTL 19.0022X(issue0)]

EXLEDaae-bcdf-g

Symbol	Description	Option	
aa	LED wattage	25	25 W
		50	50 W
e	Type of protection	e	Increased safety
b	Voltage	1	220 Vac, (50/60) Hz
		2	110 Vac, (50/60) Hz
		4	220 Vac, 50 Hz
		5	230 to 240 Vac, 50 Hz
c	Thread type of cable gland	G	1/2NPT
		H	3/4NPT
		M	M20
		Q	M25
d	The number of cable entry	1	1ea
		2	2ea
		3	3ea
		4	4ea
f	Battery backup type	B	Battery packs included
		None	None
g	Limit switch type	C	None
		None	Limit switch included

Ambient temperature

Type	Description	Ambient temperature
EXLED**e-****-C	Equipment without the limit switch	-35 °C to +50 °C
EXLED**e-****	Equipment with the limit switch	-30 °C to +50 °C

Electrical data

Lamp power: 25 W, 50 W

Rated voltage: (110 to 240) Vac, (50/60) Hz