



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 EPS 18.0097X

Issue No: 0

Certificate history:

Issue No. 0 (2019-09-19)

Status: **Current**

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Date of Issue: **2019-09-19**

Applicant: **SOPEX Innovations Pte Ltd.**
8 Penjuru Lane
609189
Singapore

Equipment: **LED floodlight type SXF80****

Optional accessory:

Type of Protection: **db, tb, op is**

Marking:

Ex db eb op is IIC T6/T5/T4 Gb

Ex tb op is IIIC T80°C / T100°C / T135°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Certification Manager

Signature:
(for printed version)

Date:

2019-09-19



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](http://www.iecex.com).

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Date of Issue: **2019-09-19** Page 2 of 3
Manufacturer: **SOPEX Innovations Pte Ltd.**
8 Penjuru Lane,
609189
Singapore

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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2017 Edition:5.1	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:

[DE/EPS/ExTR18.0104/00](#)

Quality Assessment Report:

[DE/EPS/QAR15.0004/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The SXF80 series Ex LED floodlights are used for lighting in hazardous locations zone 1/21 or 2/22. The Enclosure is made by aluminum with glass cover. Connection is made by Ex-e terminal box. The Enclosure complies with IP66/67 rating.

Electrical data:

Voltage: AC100-120V/200-240V50/60Hz

Power: max 78W per module

SPECIFIC CONDITIONS OF USE: YES as shown below:

Ambient temperature range:

For single unit SXF8011	For multiple units SXF8012 and SXF8013
-40°C to +40°C for T6 and T80°C	-40°C to +30°C for T6 and T80°C
-40°C to +50°C for T5 and T100°C	-40°C to +40°C for T5 and T100°C
	-40°C to +50°C for T4 and T135°C

The equipment was tested for impact of 1J for temperature below -20°C