

(1) **EU - Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 18 ATEX 1 191 X

Revision 0

(4) Equipment: LED floodlight type SXF80**

(5) Manufacturer: SOPEX INNOVATIONS PTE. LTD.

(6) Address: 8 Penjuru Lane
609189 Singapore

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 15TH0054.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-28:2015

EN 60079-1:2014

EN 60079-31:2014

EN 60079-7:2015

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 2G Ex db eb op is IIC T6/T5/T4 Gb

II 2D Ex tb op is IIIC T80°C / T100°C / T135°C Db



Certification department of explosion protection

H. Schaffer



Hamburg, 2019-09-19

(13)

Annex

(14) **EU - Type Examination Certificate EPS 18 ATEX 1 191 X**

Revision 0

(15) Description of equipment:

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/200-240V 50/60Hz

Power: max 78W per module

(16) Reference number: 15TH0054

(17) Special conditions for safe use:

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

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Hamburg, 2019-09-19

