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 TUR 17.0059X	Issue No: 0	Certificate history:
			Issue No. 0 (2018-06-19)
Status:	**Current**		
		Page 1 of 3	
Date of Issue:	**2018-06-19**		

Applicant: **TOP HI-TECH CO., LTD.**
9F.,No.1,Zhongshan Rd.,Tucheng Dist.,New Taipei City 23680
Taiwan

Equipment: **Universal Explosion Proof LED Lighting**
Optional accessory: THTE1217EBK***-*

Type of Protection: **"db" and "tb"**

Marking:

Ex db IIC T4 Gb

Ex tb IIIC T130°C Db (-20°C≤Ta≤+55°C)

Ex db IIC T5 Gb

Ex tb IIIC T95°C Db (-20°C≤Ta≤+40°C)

Approved for issue on behalf of the IECEx Certification Body:	Dipl.-Ing. Klauspeter Graffi
Position:	Head of Certification Body
Signature: (for printed version)	
Date:	2018-06-19

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.

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

TÜVRheinland®

Certificate No: IECEx TUR 17.0059X   Issue No: 0

Date of Issue: **2018-06-19**

Manufacturer: **TOP HI-TECH CO., LTD.**
9F.,No.1,Zhongshan Rd.,Tucheng Dist.,New Taipei City 23680
Taiwan

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 60079-1 : 2014-06   Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31 : 2013   Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

*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/TUR/ExTR17.0059/00

Quality Assessment Report:

DE/TUR/QAR13.0016/02

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject and type:

Universal Explosion Proof LED Lighting. Type THTE1217EBK***-*

Description:

The lamp Universal Explosion Proof LED Lighting type THTE1217EBK***-* is designed according to the standard structure of the IEC 60079-0, IEC 60079-1 and IEC 60079-31. The suitable hazardous areas are zone 1, zone 2, zone 21 and zone 22.

The enclosure of lamp is made by aluminium alloy (ADC12 and A356.2).

The method of lamp mounting includes pendant, wall, adjustable trunnion mounting bracket, electrical tube mounting.

The external earthing of enclosure is provided.

More information see annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Do not clean or rub when an explosive atmosphere may be present.

2. Maintenance work is not permitted on flameproof enclosures.Repairs are only to be carried out by the manufacturer.

Annex:

DE-IECEx_TUR_17.0059X_00_Attachment_2018-06-12.pdf

Attachment to Certificate IECEx TUR 17.0059 X

Device: **Universal Explosion Proof LED Lighting**
THTE1217EBK***-*

Manufacturer: **TOP HI-TECH CO., LTD.**

Address: **9F.,No.1, Zhongshan Rd.,Tucheng Dist.,New Taipei City 23680, Taiwan**

General product information:

Description:
The lamp Universal Explosion Proof LED Lighting type THTE1217EBK***-* is designed according to the standard structure of the IEC 60079-0, IEC 60079-1 and IEC 60079-31. The suitable hazardous areas are zone1, zone2, zone21 and zone22.
The enclosure of lamp is made by aluminium alloy (ADC12 and A356.2).
The method of lamp mounting includes pendant, wall, adjustable trunnion mounting bracket, electrical tube mounting.
The external earthing of enclosure is provided.

Subject and type:
Universal Explosion Proof LED Lighting. Type THTE1217EBK***-*

THT	E	1217	E	B	K	C	9	P0	-S25
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

(1) Brand name, THT = Top Hi-Tech Co., Ltd
(2) Category of product, E = Explosion proof lighting fixtures
(3) Model name, 1217 = Model L1217 series
(4) Sub-series designation , E = Use SMD LED
(5) Designates type of Top Cover, B = Use Short Top Cover
(6) Designates type of LED module, K = SMD LED
(7) Designates C.C.T of LED, C = Cool white, W = Warm white
(8) Designates voltage, 1=110V, 2=220V, 9=277V
(9) Designates wattage of LED lighting, P0 = 150W, N0=140W, L0=120W
(10) Mounting type, S25 = Bending electrical tube 25°
　　　　　　　　S90 = Bending electrical tube 90°
　　　　　　　　P90 = Straight electrical tube 90°
　　　　　　　WHT = Two position (Wall/Pendant) adjustable trunnion, each position with two aiming angles

Parameters:
Electrical parameters
Rated voltage　　　　　110/220/277 Vac (±10%), 50 & 60 Hz
Rated power　　　　　　120W, 140W, 150W

Thermal parameters
Temperature class:T5(Gas) at Ta 40°C, T4(Gas) at Ta 55°C
Maximum surface temperature: 92.12°C(Dust) at Ta 40°C,107.12°C(Dust) at Ta 55°C