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 14.0027X	Issue No: 0	
Status:	Current	Page 1 of 3	
Date of Issue:	2015-05-20		

Applicant:

TOP HI-TECH CO.,LTD.
5F,NO.113,Zhongcheng Rd,
Tucheng Dist,New Taipei City 236,
Taiwan (R.O.C)
Taiwan

Electrical Apparatus: **THT-EX1202**P*22**
Optional accessory:

Type of Protection: **Ex d, Ex t**

Marking:

Ex d IIB T5 Gb

Ex tb IIIC T100°C Db

Approved for issue on behalf of the IECEx Certification Body:	Dipl.-Ing. Klauspeter Graffi
Position:	Head of Certification Body
Signature: *(for printed version)* *Date:*	2015 - 05 - 20

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:

TÜV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

TÜVRheinland

IECEx Certificate
of Conformity

Manufacturer:

TOP HI-TECH CO.,LTD.
2F, No. 81, Zhongcheng Rd,
Tucheng Dist., New Taipei City 236,
Taiwan (R.O.C)
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 electrical 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 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*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/ExTR14.0037/00

Quality Assessment Report:

DE/TUR/QAR13.0016/00

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject ans type
Universal Explosion Proof LED Lighting type THT-EX1202**P*22
(For details of type code see attachment.)

Description
The lamp Universal Explosion Proof LED Lighting type THT-EX1202**P*22 is suitable for hazardous area zone 1,zone 2,zone 21 and zone 22. The lamp has metallic enclosure(ADC12) with a coating on it. The method of lamp install included hanging/ceiling/wall,stanchion 25° /90° and pendant.The external earthing of enclosure is considered.

Parameters
(For details of parameters see attachment.)

CONDITIONS OF CERTIFICATION: YES as shown below:

1.   The M20 cable gland will be installed by end user,the rest unused holes shall be blocked by screw plug which comply with the requirements of standards IEC 60079-1 and IEC 60079-31.

2.   The power cable will be installed by end user,and the end user can use the cable which is specified in the user manual only.

3.   The end user must install earthing wire according to user manual before use.

Annex:

DE-IECEx_TUR_14.0027X_00_Attachment_2015-05-20.pdf

Attachment to to Certificate IECEx TUR 14.0027 X

Device: **Universal Explosion Proof LED Lighting THT-EX1202**P*22**

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

Address: **5F,NO.113,Zhongcheng Rd, Tucheng Dist,New Taipei City 236, Taiwan (R.O.C)**

General product information:

Subject and type

Universal Explosion Proof LED Lighting type THT-EX1202**P*22

The description of type code:

THT-EX	1202	C	E	P	C*a	2	2*b
THT-EX	Model Name	Color of LED Light	Voltage	LED Carrier	Top Cover Type	LED Quantity Require	LED Watts Choose
Brand Name	1202 = P1202	C (Cool White) W (Warm White)	A=24V C=110V E=220V AC Power	P= In Tank	C= 1202C D= 1202D	2 (2 LED)	2=20W

*a: Only top cover with M20 entry device when choose C, only tank with M20 entry device when choose D.

*b: The power of signal LED is 20W, and the total power of the LED luminaire is 40W.

Description

The lamp Universal Explosion Proof LED Lighting type THT-EX1202**P*22 is suitable for hazardous area zone 1, zone 2, zone 21, and zone 22.

The lamp has metallic enclosure (ADC12) with a coating on it.

The method of lamp install included hanging/ ceiling/ wall, stanchion 25°/90° and pendant. The external earthing of enclosure is considered.

Parameters
Electrical parameters

Rated voltage	24VAC	THT-EX1202*AP*22
	110VAC	THT-EX1202*CP*22
	220VAC	THT-EX1202*EP*22
Rated power	40W	

Thermal parameters

Ambient temperature range	Ta	-20 °C up to +40 °C
Temperature class	T5	

Special Conditions for safe use

1. The M20 cable gland will be installed by end user,the rest unused holes shall be blocked by screw plug which comply with the requirements of standards EN 60079-1 and EN 60079-31.

2. The power cable will be installed by end user,and the end user can use the cable which is specified in the user manual only.

3. The end user must install external earthing wire according to user manual before use.