

(1) TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) Type-Examination Certificate Number

TÜV 19 ATEX 8338 X

Issue: 00

- (4) Equipment: **Universal Explosion Proof LED Lighting, type THTH1319**H*** series**
- (5) Manufacturer: **TOP HI-TECH CO., LTD.**
- (6) Address: **9F., No.1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680, Taiwan**

- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which 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 atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC/Ex8338.00/19

- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2012/A11:2013 EN 60079-15:2010

- (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 schedule to this certificate.
- (11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



II 3 G Ex nR IIC T5 Gc

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2019-07-08



This Type Examination Certificate without signature and stamp shall not be valid.

This Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **Type Examination Certificate**

TÜV 19 ATEX 8338 X

Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Universal Explosion Proof LED Lighting, type THTH1319**H***,

15.2 Description / Details of Change

General product information

The lamp Universal Explosion Proof LED Lighting type THTH1319**H*** is designed according to the standard structure of the EN 60079-0 and EN 60079-15. The suitable hazardous area is zone 2.

The enclosure of lamp is made from Aluminium alloy and Stainless steel (AL 6063 T5 and SUS304). The external earthing of enclosure is provided.

Type code:

THT	H	1319	C	N	H	C	9	F0
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

- (1) Brand name, THT = Top Hi-Tech Co., Ltd
- (2) Protection type of luminaire, H = HazLoc LED Lighting
- (3) Model name, 1319 = Model L1319 series
- (4) Series type, C = L1319C type for 2ft. , D = L1319C type for 4ft.
- (5) Designates type of Top Cover, N =without Top Cover, C =with Top Cover
- (6) Designates type of LED module, H=SMD type LED
- (7) Designates CCT of LED, C = Cool white, W = Warm white
- (8) Designates voltage of LED module, 1=110 Vac , 2 = 220 Vac, 9 = 277 Vac
- (9) Designates wattage rating of the luminaire, D0=40W, F0=60W, H0=80W, L0=120W

Technical Data

Electrical data

- THTH1319CNH*1D0 – 110 Vac, 50/60 Hz, 40 W (2ft)
- THTH1319CNH*1F0 – 110 Vac, 50/60 Hz, 60 W (2ft)
- THTH1319CNH*2D0 – 220 Vac, 50/60 Hz, 40 W (2ft)
- THTH1319CNH*2F0 – 220 Vac, 50/60 Hz, 60 W (2ft)
- THTH1319CNH*9D0 – 277 Vac, 50/60 Hz, 40 W (2ft)
- THTH1319CNH*9F0 – 277 Vac, 50/60 Hz, 60 W (2ft)
- THTH1319DCH*1D0 – 110 Vac, 50/60 Hz, 40 W (4ft)
- THTH1319DCH*1F0 – 110 Vac, 50/60 Hz, 60 W (4ft)
- THTH1319DCH*1H0 – 110 Vac, 50/60 Hz, 80 W (4ft)
- THTH1319DCH*1L0 – 110 Vac, 50/60 Hz, 120 W (4ft)

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THTH1319DCH*2D0 – 220 Vac, 50/60 Hz, 40 W (4ft)
THTH1319DCH*2F0 – 220 Vac, 50/60 Hz, 60 W (4ft)
THTH1319DCH*2H0 – 220 Vac, 50/60 Hz, 80 W (4ft)
THTH1319DCH*2L0 – 220 Vac, 50/60 Hz, 120 W (4ft)
THTH1319DCH*9D0 – 277 Vac, 50/60 Hz, 40 W (4ft)
THTH1319DCH*9F0 – 277 Vac, 50/60 Hz, 60 W (4ft)
THTH1319DCH*9H0 – 277 Vac, 50/60 Hz, 80 W (4ft)
THTH1319DCH*9L0 – 277 Vac, 50/60 Hz, 120 W (4ft)

Environmental data
Ambient temperature:-20°C~+55°C
Temperature class T5 for gas atmosphere

(16) Test-Report No. GC/Ex8338.00/19

(17) Special Conditions for safe use

1. Do not clean or rub when an explosive atmosphere may be present.
2. The gasket on the enclosure of LED Lighting with a replacement frequency of 5 years(must be replaced immediately when the gaskets under damaged).
Information about the testing procedure after installation during initial inspection and during maintenance are specified in the instruction shall be observed.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2019-07-08



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