



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx TUR 18.0042X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2021-07-01) Issue 0 (2020-07-15)
Date of Issue:	2025-09-12		
Applicant:	Fenixlight Limited 2F/3F, West of Building A, Xinghong Technology Park 111 Shuiku Road, Fenghuanggang Community Xixiang Street, Bao'an District Shenzhen City, 518133 Guangdong China		
Equipment:	WF30RE Flashlight, WH35RE Headlamp, Type: WF30RE, WH35RE		
Optional accessory:			
Type of Protection:	Equipment protection by intrinsic safety "ib"		
Marking:	Ex ib IIC T4 Gb Ex ib IIIC T130°C Db (-20°C ≤ Ta ≤ +45°C)		

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. Yang Wang

Position:

Assigned Certifier

Signature:
(for printed version)

Date:
(for printed version)

2025-09-12

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 www.iecex.com or use of this QR Code.



Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **Fenixlight Limited**
2F/3F, West of Building A, Xinghong Technology Park
111 Shuiku Road, Fenghuanggang Community
Xixiang Street, Bao'an District
Shenzhen City, 518133 Guangdong
China

Manufacturing locations: **Fenixlight Limited**
2F/3F, West of Building A, Xinghong
Technology Park
111 Shuiku Road, Fenghuanggang
Community
Xixiang Street, Bao'an District
Shenzhen City, 518133 Guangdong
China

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 equipment 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](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

This Certificate **does not** indicate compliance with 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 Reports:

[DE/TUR/ExTR18.0042/00](#)

[DE/TUR/ExTR18.0042/01](#)

[DE/TUR/ExTR18.0042/02](#)

Quality Assessment Report:

[DE/TUR/QAR16.0025/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description

The type of protection of the flashlight /Headlamp is intrinsically safety. They are powered by a single Lithium battery. The flashlight / Headlamp have an aluminium enclosure with degree of protection IP66/IP68 (WF30RE Flashlight) and IP66 (WH35RE Headlamp).

This flashlight /Headlamp can be used in Zone 1 and Zone 2, where there is explosive gas mixture belonging to IIA, IIB and IIC; and can be used in combustible dust areas: Zone 21 and Zone 22.

Technical data

Rated voltage: 3.6V

Ambient temperature: -20°C ~ +45°C

Ingress protection: IP66/IP68 (WF30RE Flashlight)
IP66 (WH35RE Headlamp)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Do not open and replace battery when an explosive atmosphere is present.
2. Use only Fenix arb-I21-3000Ex rechargeable li-ion battery.
3. Do not charge the battery in hazardous location.
4. Use only the specific charger provided by the manufacturer "Fenixlight Limited.".
5. The equipment cannot be used in the hazardous area when the rubber dust caps are broken or missing.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- 1.Add new model WH35RE headlamp.
- 2.The charging socket of WF30RE Flashlight updated to Type-C socket.
- 3.The power supply battery of WF30RE has been replaced. WF30RE and WH35RE have same battery type.
- 4.Changed the circuit of WF30RE but it had no effect on the I.S. type of protection.
- 5.IEC 60079-11:2011 Edition 6.0 was updated to IEC 60079-11:2023 Edition 7.0.