



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 SNA 23.0001X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-07-17
Applicant: **Parhelion Inc.**
126 North Salem Street
Suite 200
Apex, North Carolina 27502-1476
United States of America
Equipment: **FRT-EX, FRT-FS (intrinsically safe flashlight)**
Optional accessory:
Type of Protection: **ia, op is**
Marking: Ex ia op is IIC T3/T4 Ga
Ex ia op is IIIC T135°C Da.
T3 WHEN USED WITH FRT-BAT-EX, T4 WHEN USED WITH FRT-BAT-EX2.
Battery Powered: 7.2VDC(nominal), 7.4VDC(nominal). Ordinary location charging: 8.4VDC, 1.2A

Approved for issue on behalf of the IECEx
Certification Body:

Vijayaraghavan Rangarajan

Position:

Certification Manager - Classified Hazardous Locations

Signature:
(for printed version)

Date:
(for printed version)

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:

SGS North America Inc.
620 Old Peachtree Road, NW#100
Suwanee, GA 30022
United States of America





IECEX Certificate of Conformity

Certificate No.: **IECEX SNA 23.0001X**

Page 2 of 4

Date of issue: 2024-07-17

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Manufacturer: **Xiamen Great Way Mechanical & Electrical Manufacturer**
2F NO. 4 Xiahui Road
Chengnan Industrial Zone Tongan
Fujian
Xiamen 361199
China

Manufacturing
locations:

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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 Report:

[US/SNA/ExTR24.0003/00](#)

Quality Assessment Report:

[US/SNA/QAR24.0001/00](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX SNA 23.0001X**

Page 3 of 4

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

STRIPELIGHT® - Intrinsically Safety Flashlight

SPECIFIC CONDITIONS OF USE: YES as shown below:

The flashlight shall not be charged in explosive atmospheres using the wireless charger.



IECEX Certificate of Conformity

Certificate No.: **IECEX SNA 23.0001X**

Page 4 of 4

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Equipment (continued):

Equipment is intrinsically safe and optically safe flashlight for use in classified hazardous locations. The equipment has two optical source options, LED light and LASER light. The model FRT-EX contains an LED light and a laser light. The model FRT-FS only contains an LED light source. When in a safe area, wireless charging is permitted with a rated charger. The equipment is housed in a non-metallic enclosure and has a magnetically activated switch to turn on or off the optical source. The equipment also has the provision of a strap mount to mount light on the vest during intended application. Both models have a T3/T4 rating that is based on the battery pack. Model FRT-BAT-EX contains the Molicel ICR18650K which gives a Tcode of T3. Model FRT-BAT-EX2 contains the Panasonic NCR18650GA which gives a Tcode T4.