



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEX UL 18.0029X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 4	Issue 3 (2022-04-12)
Date of Issue:	2025-09-04		Issue 2 (2021-07-14)
Applicant:	<b>ExRobotics B.V.</b> Delftechpark 26, Delft 2628 XH, <b>Netherlands</b>		Issue 1 (2020-01-10)
Equipment:	<b>Camera and Light Module, CAM-SW-001831 and LED-SW-002238</b>		Issue 0 (2018-09-13)
Optional accessory:			
Type of Protection:	<b>Flameproof "db"</b>		
Marking:	<b>Ex db IIB T4 Gb</b> <b>-20°C ≤ Ta ≤ +60°C</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

**Lucy Frieders**

Position:

**Staff Engineer**

Signature:  
(for printed version)

Date:  
(for printed version)

2025-09-04

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Certificate issued by:

**UL Solutions (US)**  
333 Pfungsten Road  
Northbrook IL 60062-2096  
**United States of America**





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Certificate No.: **IECEX UL 18.0029X**

Page 2 of 4

Date of issue: 2025-09-04

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Manufacturer: **ExRobotics B.V.**  
Delftechpark 26,  
Delft 2628 XH,  
**Netherlands**

Manufacturing locations: **ExRobotics B.V.**  
Delftechpark 26,  
Delft 2628 XH,  
**Netherlands**

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
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:

[US/UL/ExTR18.0035/00](#)  
[US/UL/ExTR18.0035/03](#)

[US/UL/ExTR18.0035/01](#)  
[US/UL/ExTR18.0035/04](#)

[US/UL/ExTR18.0035/02](#)

Quality Assessment Report:

[DK/ULD/QAR18.0002/10](#)



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Certificate No.: **IECEX UL 18.0029X**

Page 3 of 4

Date of issue: 2025-09-04

Issue No: 4

**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Camera Module, CAM-SW-001831, is a flameproof enclosure containing three cameras. Light Module, LED-SW-002238, is a flameproof enclosure containing LED lights. The Camera Module and Light Module are factory wired with a cable leaving the enclosure through a potted cable gland.

**Please see Annex for additional information.**

**SPECIFIC CONDITIONS OF USE: YES as shown below:**

- Do not repair the flameproof joints.



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Certificate No.: **IECEX UL 18.0029X**

Page 4 of 4

Date of issue: 2025-09-04

Issue No: 4

## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Issue 1: Addition of alternate glass material and updating to the latest standards.

Issue 2: Minor editorial changes were made to the certification drawings.

Issue 3: Update of manufacturing location address.

Issue 4: Manufacturer's address changed from Effenseweg 1, Breda, 4838 BA, The Netherlands to Delftechpark 26, Delft 2628 XH, Netherlands.

## **Annex:**

[Annex to IECEx UL 18.0029X Issue 4.pdf](#)



# IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX UL 18.0029X

Issue No.: 4

Page 1 of 1

## PARAMETERS RELATING TO THE SAFETY

CAM-SW-001831: 5VDC, 1A

LED-SW-002238: 36VDC, 700mA

## MARKING

Marking has to be readable and indelible; it has to include the following indications:



ExRobotics B.V.  
Street  
Postal code, City  
The Netherlands

CE 0539	Year of manufacture	2018
Camera Module		
CAM-SW-001831	01	
IECEX UL 18.0029X	DEMKO 18 ATEX 1928X	
Ex II 2G Ex db IIB T4 Gb		
-20°C ≤ T <sub>a</sub> ≤ +60°C		See Instructions
<b>WARNING</b> OPEN ONLY IN NON-HAZARDOUS AREA	<b>WARNING</b> DO NOT OPEN WHEN ENERGISED	<b>WARNING</b> USE FASTENERS WITH YIELD STRESS ≥ 450 Nmm <sup>-2</sup>



ExRobotics B.V.  
Street  
Postal code, City  
The Netherlands

CE 0539	Year of manufacture	2018
Light Module		
LED-SW-002238	01	
IECEX UL 18.0029X	DEMKO 18 ATEX 1928X	
Ex II 2G Ex db IIB T4 Gb		
-20°C ≤ T <sub>a</sub> ≤ +60°C		See Instructions
<b>WARNING</b> OPEN ONLY IN NON-HAZARDOUS AREA	<b>WARNING</b> DO NOT OPEN WHEN ENERGISED	<b>WARNING</b> USE FASTENERS WITH YIELD STRESS ≥ 450 Nmm <sup>-2</sup>