



# 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.: **IECEx LOM 20.0008X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-12-23

Applicant: **Adaro Tecnologia S.A.**  
Jimena Fernández de la Vega, 38  
Parque científico tecnológico Gijón - EDIFICIO ADARO  
Gijón - Asturias 33203  
**Spain**

Equipment: **Flashlight Types L-5000 Z\***

Optional accessory:

Type of Protection: **Intrinsic safety "ia"**

Marking: L-5000 Z0, L-5000 Z0F:  
Ex ia IIC T4 Ga  
Ex ia IIIC T135 °C Da  
L-5000 Z1 and L-5000 Z1F:  
Ex ia IIC T4 Gb  
Ex ia IIIC T135 °C Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Javier García Torrent**

Position:

**Certification Committee**

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.
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Certificate issued by:

**Laboratorio Oficial J.M. Madariaga (LOM)**  
**Fundación General Universidad Politécnica de Madrid**  
**Calle Eric Kandel, 1**  
**28906 Getafe (Madrid)**  
**Spain**





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Manufacturer: **Adaro Tecnologia S.A.**  
Jimena Fernández de la Vega, 38  
Parque científico tecnológico Gijón - EDIFICIO ADARO  
Gijón - Asturias 33203  
**Spain**

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements  
Edition:6.0

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

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 Report:

[ES/LOM/ExTR20.0016/00](#)

Quality Assessment Report:

[GB/EXV/QAR18.0008/02](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The ADALIT L-5000 Z series of hand flashlights are composed of a central body part and a moving head part. The head contains the light source and the assembly can rotate relative to the axial axis. The body part contains the electronic circuits and the battery. The battery is made up of 3.6 V 4x2.5 Ah Li-ION cells. The light source is based on main LEDs and auxiliary LEDs of different colours.

It is made in the following variants:

Marking	Variant	Reflector	Body / Head color
Ex ia IIC T4 Ga	L-5000 Z0	Spot light	Yellow
Ex ia IIIC T135°C Da	L-5000 Z0F	Flood light	Yellow
Ex ia IIC T4 Gb	L-5000 Z1	Spot light	Yellow or black
Ex ia IIIC T135°C Db	L-5000 Z1F	Flood light	Yellow or black

Specific parameters Um: 12 V

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

Charging can only be done in a safe area and with the charger supplied by the manufacturer.

The flashlight is only usable in locations with low impact risk.

The battery pack cannot be replaced by the user as the battery cover is a cemented joint