



# 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 CQM 26.0017X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2026-02-28  
Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555, Baoqian Road, Jiading District, Shanghai 201808  
China  
Equipment: **Explosion-proof LED sight glass light typed BAK85-\***  
Optional accessory:  
Type of Protection: **Flameproof enclosure "db", Dust ignition protection by enclosure "tb"**  
Marking: Ex db IIC T6 Gb  
Ex tb IIIC T80°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

Ji Xiaodong

Position:

President 2026-02-28

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**China Quality Mark Certification Group Co., Ltd.**  
No. 33 Zengguang Road, Haidian District  
Beijing City, Postal code: 100048  
China





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Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555, Baoqian Road, Jiading District, Shanghai 201808  
**China**

Manufacturing locations: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555, Baoqian Road, Jiading District, Shanghai 201808  
**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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

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:

[CN/CQM/ExTR26.0017/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/14](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The BAK85 series explosion-proof LED sight glass light is suitable for hazardous locations in Zone 1 and Zone 2 of explosive gas environments, where gases or vapors classified as Group II A, II B or II C, and temperature classes T1 to T6. It is also applicable to hazardous locations in Zone 21 and Zone 22 of combustible dust environments.

The explosion-proof LED sight glass light consists of several components, including the enclosure, enclosure cover, retaining ring, power supply, LED light source, tempered glass cover, and support bracket. The glass covers are available in three configurations--transparent, red-coated film, and yellow-coated film--according to the desired illumination pattern. The light enclosure is die-cast from ZL102 aluminum alloy and the surface of the enclosure is coated. The light is suitable for transportable installation and fulfills the requirements of IP66 according to IEC 60529.

Rated voltage: 12...24V DC

Power dissipation: Max.2W

Nomenclature:

BAK85-\*, where \* indicates light source power, Max.2W.

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

1. The flameproof joints cannot be repaired.
2. When the product is delivered without cable gland, during installation and operation, a separate IECEx certified Ex db IIC Gb and/or Ex tb IIIC Db cable gland must be applied with minimum ingress protection IP66.
3. Observe the warning "WARNING –DO NOT OPEN WHEN ENERGIZED", "WARNING–DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE IS PRESENT".
4. For installation and operation in the combustible dust atmosphere, observe the warning "WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS."