



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx BAS 08.0056 issue No.:2

Status: **Current**

Date of Issue: **2010-10-19** Page 1 of 4

Certificate history:  
Issue No. 2 (2010-10-19)  
Issue No. 1 (2010-5-20)  
Issue No. 0 (2008-7-14)

Applicant: **Chalmit Lighting**  
388 Hillington Road  
Glasgow  
G52 4BL  
United Kingdom

Electrical Apparatus: **Type 238 Wellglass Luminaire**  
*Optional accessory:*

Type of Protection: **Ex de Ex tD**

Marking: **Ex de IIB Ex tD A21 IP66, T Class, T°C and ambient temperatures are as the schedule according to the lamp types fitted, see Annex.**

Approved for issue on behalf of the IECEx Certification Body:

*RS* R S Sinclair *MPOWNEY*

Position: Managing Director

Signature:  
(for printed version)

*MPOWNEY*  
\_\_\_\_\_  
19/10/10

Date:

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 the Official IECEx Website.

Certificate issued by:

**Baseefa**  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





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Manufacturer: **Chalmit Lighting**  
388 Hillington Road  
Glasgow  
G52 4BL  
**United Kingdom**

#### Manufacturing location(s):

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 electrical apparatus 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:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

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

GB/BAS/ExTR08.0108/00  
GB/BAS/ExTR10.0099/00  
GB/BAS/ExTR10.0233/00

#### Quality Assessment Report:

GB/BAS/QAR06.0027/00



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Type 238 Wellglass Luminaire comprises a circular body and cover manufactured from aluminium, brass or gunmetal. The cover is fitted with a wellglass sealed in place by a silicone cement. The body has an integral increased safety terminal box. The flameproof enclosure may be fitted with various lamps, and holders, and associated control gear. The flameproof enclosure wall may be fitted with up to 2 line bushings which provide interconnection to the increased safety terminal chamber.

The luminaire may be fitted with various lamps as detailed in the Annex of this certificate.

Internal and external earth facilities are provided.

The lamp types, electrical ratings, temperature classifications, operating temperatures and ambient temperatures for each lamp type fitted can be found in the Annex.

The enclosure is fitted with a delay before opening label, this label may be replaced with a label advising "Do not open when an explosive atmosphere is present".

### CONDITIONS OF CERTIFICATION: NO

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

### Variation 2.1

To permit the addition of a 55W Type QL Induction lamp option with a temperature classification and operating temperature of T5 and 75°C respectively for use in an ambient temperature range of -50°C to +55°C.

ExTR: GB/BAS/ExTR10.0233/00

File Reference: 10/0793