



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

Certificate No.: IECEx BAS 08.0056 issue No.: 0 Certificate history:

Status: **Current**

Date of Issue: 2008-07-14 Page 1 of 3

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: R S Sinclair

Position: Managing Director

Signature: *R S Sinclair*
(for printed version)

Date: 16-7-08

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

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2008-07-14

Issue No.: 0

Page 2 of 3

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:

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

Quality Assessment Report:

[GB/BAS/QAR06 0027/00](#)



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2008-07-14

Issue No.: 0

Page 3 of 3

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

Baseefa

Rockhead Business Park
Staden lane, Buxton, Derbyshire
SK17 9RZ
United Kingdom



ANNEX to IECEx BAS 08.0056

Issue No. 0

Date: 2008/07/14

Summary of Classifications

Lamp Type	Wattage W	Voltage V	Temperature Classification/Operating Temperature °C	Ambient Temperature Range °C	Cable Rating	Delay Before Opening (minutes)
GLS	150	110- 250	T4/130	-50 to +60	90°C	10
			T4/110	-50 to +50	70°C	
GLS	200	110- 250	T3/145	-50 to +60	90°C	
			T4/125	-50 to +50	70°C	
GLS	300	110- 240	T4/130	-50 to +40	70°C	
SON/E	70	200-210 220-230 240-250 254 at 50Hz or 220-230 240-250 260-270 at 60Hz	T4/105	-50 to +50	70°C	
			T4/125	-50 to +60	85°C	
			T5/95	-50 to +40	70°C	
SON/E	100		T4/125	-50 to +60	80°C	
			T4/105	-50 to +40	70°C	
SON/E	150		T3/140	-50 to +55	80°C	
			T4/125	-50 to +40	70°C	
SON/E	250		T3/150	-50 to +45	85°C	
MBF/U	80		T4/125	-50 to +60	80°C	
			T4/115	-50 to +50	70°C	
MBF/U	125	T3/135	-50 to +50	80°C		
		T4/125	-50 to +40	70°C		
MBF/U	250	T3/175	-50 to +45	85°C		
MBI	150	T3/140	-50 to +55	80°C		
		T4/125	-50 to +40	70°C		
		T3/140	-50 to +45	85°C		
MBTF	160	220-250	T3/135	-50 to +40	70°C	
			T3/145	-50 to +50	80°C	
QL	85	120-220-240 a.c.	T5/75	-50 to +55	70°C	
	165	or d.c. 50/60Hz	T5/80	-50 to +40	70°C	



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

Certificate No.: IECEx BAS 08.0056 issue No.: 1

Status: Current

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

Date of Issue: 2010-05-20 Page 1 of 4

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: R S Sinclair

Position: Managing Director

Signature:
(for printed version)


20-5-10

Date:

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3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2010-05-20

Issue No.: 1

Page 2 of 4

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:

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

Quality Assessment Report:

[GB/BAS/QAR06.0027/00](#)



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2010-05-20

Issue No.: 1

Page 3 of 4

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



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2010-05-20

Issue No.: 1

Page 4 of 4

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

Variation 1.1

To permit the addition of 70W and 100W metal halide lamps.

The complete list of permitted lamps is indicated in Annex 1.

ExTR: GB/BAS/ExTR10.0099/00

File Reference: 10/0330

Baseefa

Rockhead Business Park
Staden lane, Buxton, Derbyshire
SK17 9RZ
United Kingdom



ANNEX to IECEx BAS 08.0056

Issue No. 1

Date: 2010/05/20

Lamp Type	Wattage W	Voltage V	Temperature Classification/Operating Temperature °C	Ambient Temperature Range °C	Cable Rating °C	Delay Before Opening (minutes)	
GLS	150	110- 250	T4/130	-50 to +60	90	10	
			T4/110	-50 to +50	70		
	200	110- 250	T3/145	-50 to +60	90		
			T4/125	-50 to +50	70		
SON/E	70	200-210 220-230 240-250 254 at 50Hz	T4/130	-50 to +40	70		
			T4/105	-50 to +50	70		
	T4/125		-50 to +60	85			
	T5/95		-50 to +40	70			
SON/E	100	200-210 220-230 240-250 254 at 50Hz	T4/125	-50 to +60	80		
			T4/105	-50 to +40	70		
	T3/140		-50 to +55	80			
	T4/125		-50 to +40	70			
SON/E	150	200-210 220-230 240-250 254 at 50Hz	T3/150	-50 to +45	85		
			T4/125	-50 to +60	80		
	250		220-230 240-250 260-270 at 60Hz	T4/115	-50 to +50		70
				T3/135	-50 to +50		80
MBF/U	80	or	T4/125	-50 to +40	70		
	125		T3/175	-50 to +45	85		
			T4/105	-50 to +50	70		
MBI	70	220-230 240-250 260-270 at 60Hz	T4/125	-50 to +60	85		
			T5/95	-50 to +40	70		
	100		T4/125	-50 to +60	80		
			T4/105	-50 to +40	70		
	150		T3/140	-50 to +55	80		
			T4/125	-50 to +40	70		
	250		T3/140	-50 to +45	85		
			T3/135	-50 to +40	70		
MBTF	160	220-250	T3/145	-50 to +50	80		
			T5/75	-50 to +55	70		
QL	85	120-220-240 a.c. or d.c. 50/60Hz	T5/80	-50 to +40	70		
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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

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:

PP R S Sinclair *MPOWNEY*

Position: Managing Director

Signature:
(for printed version)

M Powney

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.
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Certificate issued by:

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Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2010-10-19

Issue No.: 2

Page 2 of 4

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:

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

*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



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2010-10-19

Issue No.: 2

Page 3 of 4

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

Empty box for conditions of certification.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2010-10-19

Issue No.: 2

Page 4 of 4

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



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

Certificate No.: **IECEX BAS 08.0056** issue No.:3

Status: **Current**

Date of Issue: **2011-11-09** Page 1 of 4

Certificate history:
Issue No. 3 (2011-11-9)
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
9/11/11

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

Certificate issued by:

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





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2011-11-09

Issue No.: 3

Page 2 of 4

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:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 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/ExTR11.0278/00

GB/BAS/ExTR10.0099/00

GB/BAS/ExTR10.0233/00

Quality Assessment Report:

GB/BAS/QAR06.0027/03



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2011-11-09

Issue No.: 3

Page 3 of 4

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



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2011-11-09

Issue No.: 3

Page 4 of 4

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

Variation 3.1

To permit the luminaires to be alternatively marked for a minimum ambient temperature of -20°C or -45°C.

Variation 3.2

To permit an alternative internal earth assembly.

ExTR: GB/BAS/ExTR11.0278/00

File Reference: 11/0856



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

Certificate No.: IECEx BAS 08.0056 issue No.: 4

Status: Current

Date of Issue: 2014-05-20 Page 1 of 4

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

Certificate history:
Issue No. 4 (2014-5-20)
Issue No. 3 (2011-11-9)
Issue No. 2 (2010-10-19)
Issue No. 1 (2010-5-20)
Issue No. 0 (2008-7-14)

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

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

Marking: **Ex de IIB T4* Gb (T_{amb} = -50°C to +60°C)***
Ex tb IIC T135°C* Db (T_{amb} = -50°C to +60°C)* IP66

* Alternative Temperature Class/Ambient combinations may also be marked dependant on the lamp type and ratings, as detailed on the certified drawings (and tabulated in previous schedules).

Approved for issue on behalf of the IECEx
Certification Body:

pp R S Sinclair *M. P. O'NEILL*

Position: General Manager

Signature:
(for printed version)

M. P. O'NEILL

20/5/14

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

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2014-05-20

Issue No.: 4

Page 2 of 4

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

Additional 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:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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/ExTR11.0278/00

GB/BAS/ExTR10.0099/00
GB/BAS/ExTR14.0150/00

GB/BAS/ExTR10.0233/00

Quality Assessment Report:

GB/BAS/QAR06.0027/04



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2014-05-20

Issue No.: 4

Page 3 of 4

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

Empty box for conditions of certification.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0056

Date of Issue: 2014-05-20

Issue No.: 4

Page 4 of 4

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

Variation 4.1

The Luminaire covered by this certificate has been reviewed against the additional design and test requirements of IEC 60079-0: 2011, IEC 60079-1: 2007 & IEC 60079-31: 2008 (superseding IEC 61241), and compliance is confirmed.

The units may be marked with the following amended coding:-

Ex de IIB T4* Gb (T_{amb}= -50°C to +60°C)*, Ex tb IIIC T135°C* Db (T_{amb}= -50°C to +60°C)* IP66

* Alternative Temperature Class/Ambient combinations may also be marked dependant on the lamp type and ratings, as detailed on the certified drawings (and tabulated in previous schedules).

Variation 4.2

Introduction of alternative 110-120V volt versions of the SON/E and MBI Lamp designations.

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