



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 08.0054 issue No.:1

Status: **Current**

Certificate history:

Issue No. 1 (2009-4-3)
Issue No. 0 (2008-7-14)

Date of Issue: **2009-04-03** Page 1 of 4

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

Electrical Apparatus: **A Nevis Bulkhead Luminaire**
Optional accessory:

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

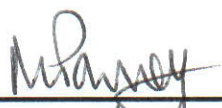

Marking: **Ex de IIB Ex tD A21 IP66, T Class, T°C and ambient temperatures are as the schedule for lamp types fitted, see Annex**

Approved for issue on behalf of the IECEx
Certification Body:

 R S Sinclair

Position: Managing Director

Signature:
(for printed version)

 
3/4/09

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 08.0054

Date of Issue: 2009-04-03

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/ExTR08.0106/00
GB/BAS/ExTR09.0058/00

Quality Assessment Report:

GB/BAS/QAR06.0027/00



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2009-04-03

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Nevis Bulkhead Luminaire comprises an oval 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, lamp 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 can be fitted with various lamps as detailed in Annex.

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 Annex.

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

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2009-04-03

Issue No.: 1

Page 4 of 4

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

Variation 1.1

To permit 70W SON/E and MBI/E lamps with an integral ballast and transformer to be used on an 110V to 120V supply.

See IECEx BAS 08.0054_1 Annex for revised table of permitted lamps, ratings etc.

ExTR: **GB/BAS/ExTR09.0058/00**

File Reference: **09/0259**

Baseefa

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



ANNEX to IECEx BAS 08.0054

Issue No. 1

Date: 2009/04/03

The revised table of permitted lamps, ratings etc. is indicated below.

Lamp Type	Wattage W	Voltage V	Temperature Classification/Operating Temperature °C	Ambient Temperature Range °C	Cable Rating	Delay Before Opening (minutes)
GLS	150	24 - 240	T3/150	-55 to +55	80°C	10
GLS	200	24 - 240	T3/165	-55 to +55	90°C	
SON/E	50/70	110 - 120V 50/60Hz 200 - 250 50Hz 220 - 270 60Hz	T4/125	-55 to +55	80°C	
MBF/U	80	200 - 250 50Hz	T4/130	-55 to +55	80°C	
MBF/U	125	220 - 270 60Hz	T3/140	-55 to +40	70°C	
MBTF	160	200 - 250	T3/155	-55 to +40	70°C	
Fluorescent	18/26	12 - 260	T5/80	-55 to +55	70°C	
Induction	55	110 - 240	T5/98	-55 to +55	70°C	
MBI	70	110 - 120V 50/60Hz 200 - 250 50Hz 220 - 270 60Hz	T4/125	-55 to +55	80°C	



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INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
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Certificate No.: IECEx BAS 08.0054 issue No.: 2

Status: **Current**

Date of Issue: **2011-11-28** Page 1 of 4

Certificate history:
Issue No. 2 (2011-11-28)
Issue No. 1 (2009-4-3)
Issue No. 0 (2008-7-14)

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

Electrical Apparatus: **A Nevis Bulkhead 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 for lamp types fitted, see Annex**

Approved for issue on behalf of the IECEx
Certification Body:

RS Sinclair *McDowney*

Position: Managing Director

Signature:
(for printed version)

McDowney
28/11/11

Date:

1. This certificate and schedule may only be reproduced in full.
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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





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2011-11-28

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:

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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/ExTR08.0106/00

GB/BAS/ExTR09.0058/00

GB/BAS/ExTR11.0286/00

Quality Assessment Report:

GB/BAS/QAR06.0027/03



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2011-11-28

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Nevis Bulkhead Luminaire comprises an oval 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, lamp 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 can be fitted with various lamps as detailed in Annex.

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 Annex.

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

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2011-11-28

Issue No.: 2

Page 4 of 4

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

Variation 2.1

Modifications to the cover to incorporate non-captive fixing screws.

Variation 2.2

Modifications to the cover to incorporate a single piece hinge.

ExTR: GB/BAS/ExTR11.0286/00

File Reference: 11/0850



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 08.0054 issue No.: 3

Status: **Current**

Date of Issue: 2013-02-07 Page 1 of 4

Certificate history:

Issue No. 3 (2013-2-7)

Issue No. 2 (2011-11-28)

Issue No. 1 (2009-4-3)

Issue No. 0 (2008-7-14)

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

Electrical Apparatus: **A Nevis Bulkhead 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 for lamp types fitted, see Annex**

Approved for issue on behalf of the IECEx
Certification Body:

 R S Sinclair 

Position: General Manager

Signature:
(for printed version)


7/2/13

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:

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





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2013-02-07

Issue No.: 3

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:

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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/ExTR08.0106/00
GB/BAS/ExTR13.0033/00

GB/BAS/ExTR09.0058/00

GB/BAS/ExTR11.0286/00

Quality Assessment Report:

GB/BAS/QAR06.0027/03



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2013-02-07

Issue No.: 3

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Nevis Bulkhead Luminaire comprises an oval 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, lamp 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 can be fitted with various lamps as detailed in Annex.

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 Annex.

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

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 08.0054

Date of Issue: 2013-02-07

Issue No.: 3

Page 4 of 4

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

Variation 3.1

Addition of an alternative internal assembly comprising an LED array and driver rated up to 52W.

See IECEx BAS 08.0054 Annex Issue No 2 for a revised table of permitted lamps, ratings etc.

ExTR: GB/BAS/ExTR13.0033/00

File Reference: 12/0915

Baseefa

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



ANNEX to IECEx BAS 08.0054

Issue No. 2

Date: 2013/02/13

The revised table of permitted lamps, ratings etc. is indicated below.

Lamp Type	Wattage W	Voltage V	Temperature Classification/Operating Temperature ° C	Ambient Temperature Range ° C	Cable Rating	Delay Before Opening (minutes)
GLS	150	24 - 240	T3/150	-55 to +55	80°C	10
GLS	200	24 - 240	T3/165	-55 to +55	90°C	
SON/E	50/70	110 – 120V 50/60Hz 200 - 250 50Hz 220 - 270 60Hz	T4/125	-55 to +55	80°C	
MBF/U	80	200 - 250 50Hz	T4/130	-55 to +55	80°C	
MBF/U	125	220 - 270 60Hz	T3/140	-55 to +40	70°C	
MBTF	160	200 - 250	T3/155	-55 to +40	70°C	
Fluorescent	18/26	12 - 260	T5/80	-55 to +55	70°C	
Induction	55	110 - 240	T5/98	-55 to +55	70°C	
MBI	70	110 – 120V 50/60Hz 200 - 250 50Hz 220 - 270 60Hz	T4/125	-55 to +55	80°C	
LED	52	100-277Vac 50/60Hz 110-390Vdc	T6/T80	-55 to +55	70°C	* See Note

* Note. Label to be fitted stating "Do not open when an explosive atmosphere is present"