



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 10.0074X issue No.: 9

Status: Current

Date of Issue: 2016-11-02 Page 1 of 4

Applicant: **Dialight Corporation**
1501 Route 34 South,
Farmingdale,
New Jersey, 07727
United States of America

Certificate history:
Issue No. 9 (2016-11-2)
Issue No. 8 (2016-6-1)
Issue No. 7 (2014-9-3)
Issue No. 6 (2014-3-11)
Issue No. 5 (2013-9-16)
Issue No. 4 (2012-9-5)
Issue No. 3 (2012-2-16)
Issue No. 2 (2011-6-29)
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Equipment: LED High Bay Area light
Optional accessory:

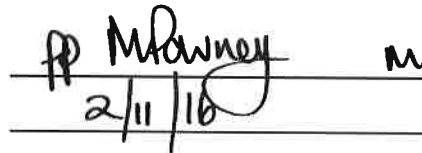

Type of Protection: Flameproof, Increased Safety and Dust

Marking: See schedule

Approved for issue on behalf of the IECEx
Certification Body: R S Sinclair

Position: Technical Manager

Signature:
(for printed version)

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 10.0074X

Date of Issue: 2016-11-02

Issue No.: 9

Page 2 of 4

Manufacturer: **Dialight Corporation**
1501 Route 34 South,
Farmingdale,
New Jersey, 07727
United States of America

Additional Manufacturing location(s):

**DIALIGHT S. de R.L. de
C.V.**
C. de los Lirios S/N
Colonia Carlos Pacheco
Ensenada, Baja California
22830
Mexico

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - 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/ExTR10.0166/00
GB/BAS/ExTR12.0230/00
GB/BAS/ExTR14.0206/00

GB/BAS/ExTR11.0105/00
GB/BAS/ExTR13.0170/00
GB/BAS/ExTR16.0054/00

GB/BAS/ExTR11.0324/00
GB/BAS/ExTR14.0054/00

Quality Assessment Report:

GB/SIR/QAR11.0014/05



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2016-11-02

Issue No.: 9

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

14k Unit - 165W (Variation 4.2)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

17k Unit – 195W (Variation 4.3)

Ex d IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted:

Ex d e IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex d e IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

HL Series 25,000 Lumen LED Highbay – 315W (Variation 5.4)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.
4. The external plastic guard on the HBA Series LED Luminaire with Sand Blast Shield (Variation 3.4) is to be cleaned with a damp cloth only.
5. The maximum flameproof gap in the flange of the power supply enclosure is 0.1mm.
6. To minimise the risk of electrostatic charging, clean only with a damp cloth.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2016-11-02

Issue No.: 9

Page 4 of 4

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

Variation 9.1

This issue permits existing information (for example on Schedule Drawings) to be replaced by the revised certificate holders name and address. No other changes may be made to the certified design

File Reference: 16/0825



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 10.0074X** issue No.:8

Status: **Current**

Date of Issue: **2016-06-01** Page 1 of 4

Applicant: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Certificate history:
~~Issue No. 8 (2016-6-1)~~
~~Issue No. 7 (2014-9-3)~~
~~Issue No. 6 (2014-3-11)~~
~~Issue No. 5 (2013-9-16)~~
~~Issue No. 4 (2012-9-5)~~
~~Issue No. 3 (2012-2-16)~~
~~Issue No. 2 (2011-6-29)~~
~~Issue No. 1 (2011-5-4)~~
Issue No. 0 (2011-2-23)

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **See schedule**

Approved for issue on behalf of the IECEx Certification Body: **R S Sinclair**

Position: **Technical Manager**

Signature:
(for printed version)

R S Sinclair *RSINCLAIR*
3/6/16

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 10.0074X

Date of Issue: 2016-06-01

Issue No.: 8

Page 2 of 4

Manufacturer: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - 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/ExTR10.0166/00

GB/BAS/ExTR11.0105/00

GB/BAS/ExTR11.0324/00

GB/BAS/ExTR12.0230/00

GB/BAS/ExTR13.0170/00

GB/BAS/ExTR14.0054/00

GB/BAS/ExTR14.0206/00

GB/BAS/ExTR16.0054/00

Quality Assessment Report:

GB/BAS/QAR10.0009/04



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2016-06-01

Issue No.: 8

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

14k Unit - 165W (Variation 4.2)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

17k Unit - 195W (Variation 4.3)

Ex d IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted:

Ex d e IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex d e IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

HL Series 25,000 Lumen LED Highbay - 315W (Variation 5.4)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.
4. The external plastic guard on the HBA Series LED Luminaire with Sand Blast Shield (Variation 3.4) is to be cleaned with a damp cloth only.
5. The maximum flameproof gap in the flange of the power supply enclosure is 0.1mm.
6. To minimise the risk of electrostatic charging, clean only with a damp cloth.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2016-06-01

Issue No.: 8

Page 4 of 4

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

Variation 8.1

Introduction of an alternative LED light and power supply layouts, with an increased power rating of 235W.

Variation 8.2

Introduction of an alternative window glass type to all models.

Variation 8.3

A rationalization of the certification drawings, to simplify and supersede the original drawings. These new drawings include a clarification of equipment part numbers with respect to types/models and related certifications together with a clarification on power ratings.

Variation 8.4

Introduction of an additional specific condition for safe use, to address the potential electrostatic charging hazards of the surface coatings.

ExTR: GB/BAS/ExTR16.0054/00

File Reference: 14/0633



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 10.0074X** issue No.: **7**

Status: **Current**

Date of Issue: **2014-09-03** Page 1 of 4

Applicant: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Certificate history:
Issue No. 7 (2014-9-3)
Issue No. 6 (2014-3-11)
Issue No. 5 (2013-9-16)
Issue No. 4 (2012-9-5)
Issue No. 3 (2012-2-16)
Issue No. 2 (2011-6-29)
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

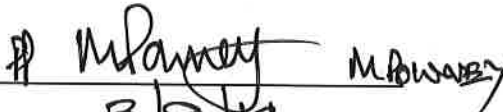
Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **See schedule**

Approved for issue on behalf of the IECEx
Certification Body: **R S Sinclair**

Position: **General Manager**

Signature:
(for printed version)


Date: **3/9/14**

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 10.0074X

Date of Issue: 2014-09-03

Issue No.: 7

Page 2 of 4

Manufacturer: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10
Edition: 5 | Explosive atmospheres - Part 0: Equipment - 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/ExTR10.0166/00
GB/BAS/ExTR12.0230/00
GB/BAS/ExTR14.0206/00

GB/BAS/ExTR11.0105/00
GB/BAS/ExTR13.0170/00

GB/BAS/ExTR11.0324/00
GB/BAS/ExTR14.0054/00

Quality Assessment Report:

GB/BAS/QAR10.0009/03



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2014-09-03

Issue No.: 7

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

14k Unit - 165W (Variation 4.2)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

17k Unit – 195W (Variation 4.3)

Ex d IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted:

Ex d e IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex d e IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

HL Series 25,000 Lumen LED Highbay – 315W (Variation 5.4)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.
4. The external plastic guard on the HBA Series LED Luminaire with Sand Blast Shield (Variation 3.4) is to be cleaned with a damp cloth only.
5. The maximum flameproof gap in the flange of the power supply enclosure is 0.1mm.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2014-09-03

Issue No.: 7

Page 4 of 4

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

Variation 7.1

To allow minor drawing modifications which do not affect certification.

ExTR: GB/BAS/ExTR14.0206/00

File Reference: 14/0522



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 10.0074X** issue No.:6

Status: **Current**

Date of Issue: **2014-03-11** Page 1 of 4

Certificate history:
Issue No. 6 (2014-3-11)
Issue No. 5 (2013-9-16)
Issue No. 4 (2012-9-5)
Issue No. 3 (2012-2-16)
Issue No. 2 (2011-6-29)
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Applicant: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **See schedule**

Approved for issue on behalf of the IECEx Certification Body:

RS R S Sinclair *MPOWNEY*

Position: General Manager

Signature:
(for printed version)

M Powney

11/3/14

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 10.0074X

Date of Issue: 2014-03-11

Issue No.: 6

Page 2 of 4

Manufacturer: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5
- IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6
- IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition: 1
- IEC 60079-7 : 2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 4

*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/ExTR10.0166/00
GB/BAS/ExTR12.0230/00

GB/BAS/ExTR11.0105/00
GB/BAS/ExTR13.0170/00

GB/BAS/ExTR11.0324/00
GB/BAS/ExTR14.0054/00

Quality Assessment Report:

GB/BAS/QAR10.0009/02



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2014-03-11

Issue No.: 6

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

14k Unit - 165W (Variation 4.2)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

17k Unit - 195W (Variation 4.3)

Ex d IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted:

Ex d e IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex d e IIB T4 (-40°C to +60°C) Gb
Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

HL Series 25,000 Lumen LED Highbay - 315W (Variation 5.4)

Ex d IIB T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.
4. The external plastic guard on the HBA Series LED Luminaire with Sand Blast Shield (Variation 3.4) is to be cleaned with a damp cloth only.
5. The maximum flameproof gap in the flange of the power supply enclosure is 0.1mm.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2014-03-11

Issue No.: 6

Page 4 of 4

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

Variation 6.1

Addition of a 300 micron thick, self-adhesive, clear plastic film to the exterior surface of the lens only.

Variation 6.2

Change of the certificates for the M25 Quintex LB line bushing to IECEx EPS 11.0004X (EPS 11 ATEX 1 342 X).

Variation 6.3

Alternative certificates for the M25 reducer as 4 IECEx SIR 07.0010X (Sira 10ATEX1225X)

Variation 6.4

To clarify that the drawing reference related to IECEx BAS10.0074X (Baseefa10ATEX0148X) should be Z70-000723, and it is held with IECEx BAS 10.0074X.

Variation 6.5

Minor drawing amendment.

ExTR: GB/BAS/ExTR14.0054/00

File Reference: 13/0770



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 10.0074X** issue No.: **5**

Status: **Current**

Date of Issue: **2013-09-16** Page 1 of 4

Certificate history:
Issue No. 5 (2013-9-16)
Issue No. 4 (2012-9-5)
Issue No. 3 (2012-2-16)
Issue No. 2 (2011-6-29)
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Applicant: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **See schedule**

Approved for issue on behalf of the IECEx Certification Body:

RS R S Sinclair *McDonney*

Position: General Manager

Signature:
(for printed version)

McDonney

16/9/13

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 10.0074X

Date of Issue: 2013-09-16

Issue No.: 5

Page 2 of 4

Manufacturer: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - 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/ExTR10.0166/00

GB/BAS/ExTR11.0105/00

GB/BAS/ExTR11.0324/00

GB/BAS/ExTR12.0230/00

GB/BAS/ExTR13.0170/00

Quality Assessment Report:

GB/BAS/QAR10.0009/02



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2013-09-16

Issue No.: 5

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.
4. The external plastic guard on the HBA Series LED Luminaire with Sand Blast Shield (Variation 3.4) is to be cleaned with a damp cloth only.
5. The maximum flameproof gap in the flange of the power supply enclosure is 0.1mm.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2013-09-16

Issue No.: 5

Page 4 of 4

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

Variation 5.1

Alternative machined aluminium lens retaining ring, retained by 12 off M8 x1.25 x 35mm stainless screws minimum grade A2-70.

Variation 5.2

Alternative, low iron, soda lime float glass.

Variation 5.3

Alternative tapped length for the threaded entry of the light engine enclosure.

Variation 5.4

Alternative version of the unit, incorporating a separate, contiguous, flameproof power supply enclosure. The enclosure is formed of two aluminium alloy castings which are bolted together using 12 off M8 x1.25 x 20mm stainless screws minimum grade A2-70.

The power supply enclosure contains a filter board and two power supply boards and is electrically and mechanically connected to the luminaire housing via an M25 line bushing as EPS08ATEX1105X. The luminaire housing contains 6 LED light engine circuit boards.

The terminal box is assembled using silicone rubber 'O' rings. An M25 aperture is provided in the side of the terminal box for a Hawke cable gland as IEC BAS 06.0014X with a permanently attached cable.

The unit so formed by this variation is rated at 100-277V AC, with an increased 315W maximum rating, 50/60 Hz and is designated as the **HL Series 25,000 Lumen LED Highbay**. The coding for the version as Variation 5.4 is:-

Ex d IIB T5 Gb
Ex tb IIIC T100°C Db IP66
Ta -40°C to + 60°C

Variation 5.5

Addition of Condition of Certification No. 5.



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 10.0074X** issue No.: **4**

Status: **Current**

Date of Issue: **2012-09-05** Page 1 of 4

Certificate history:
Issue No. 4 (2012-9-5)
Issue No. 3 (2012-2-16)
Issue No. 2 (2011-6-29)
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Applicant: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **See schedule**

Approved for issue on behalf of the IECEx
Certification Body:

PP R S Sinclair *M. BOWNEY*

Position: General Manager

Signature:
(for printed version)

M. BOWNEY

5/9/12

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 10.0074X

Date of Issue: 2012-09-05

Issue No.: 4

Page 2 of 4

Manufacturer: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6
IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1
IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 4

*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/ExTR10.0166/00
GB/BAS/ExTR12.0230/00

GB/BAS/ExTR11.0105/00

GB/BAS/ExTR11.0324/00

Quality Assessment Report:

GB/BAS/QAR10.0009/01



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2012-09-05

Issue No.: 4

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.
4. The external plastic guard on the HBA Series LED Luminaire with Sand Blast Shield (Variation 3.4) is to be cleaned with a damp cloth only.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2012-09-05

Issue No.: 4

Page 4 of 4

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

Variation 4.1

Minor drawing and constructional amendments for the machined castings.

Variation 4.2

Variation to the chassis and LED lamp assembly to form a unit with an increased 14k lumen nominal luminous flux.

The maximum electrical rating remains at 165W.

Marking:

14k Unit

Ex d IIB T5 (-40°C to 60°C) Gb
Ex tb IIIC T100°C (-40°C to 60°C) Db IP66
Ta -40°C to +60°C

or, when the terminal box is fitted

Ex d e IIB T5 (-40°C to 60°C) Gb
Ex tb IIIC T100°C (-40°C to 60°C) Db IP66
Ta -40°C to +60°C

Variation 4.3

Variation to the chassis and LED lamp assembly to form a unit with an increased 17k lumen nominal luminous flux.

The maximum electrical rating is increased to 195W.

Marking:

17k Unit

Ex d IIB T4 (-40°C to 60°C) Gb
Ex tb IIIC T135°C (-40°C to 60°C) Db IP66
Ta -40°C to +60°C

or, when the terminal box is fitted

Ex d e IIB T4 (-40°C to 60°C) Gb
Ex tb IIIC T135°C (-40°C to 60°C) Db IP66
Ta -40°C to +60°C

ExTR: **GB/BAS/ExTR12.0230/00**

File Reference: **12/0159**



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 10.0074X issue No.:3

Status: **Current**

Date of Issue: **2012-02-16**

Page 1 of 4

Certificate history:

Issue No. 3 (2012-2-16)
Issue No. 2 (2011-6-29)
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Applicant: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **Ex d IIB T5 (-40°C to 60°C) Gb**
Ex tb IIIC T100°C (-40°C to 60°C) Db IP66
Ta -40°C to + 60°C

or, when the terminal box is fitted

Ex d e IIB T5 (-40°C to 60°C) Gb
Ex tb IIIC T100°C (-40°C to 60°C) Db IP66
Ta -40°C to + 60°C

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

General Manager

Signature:
(for printed version)


16-2-12

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 10.0074X

Date of Issue: 2012-02-16

Issue No.: 3

Page 2 of 4

Manufacturer: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10
Edition: 5 | Explosive atmospheres - Part 0: Equipment - 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/ExTR10.0166/00](#)

[GB/BAS/ExTR11.0105/00](#)

[GB/BAS/ExTR11.0324/00](#)

Quality Assessment Report:

[GB/BAS/QAR10.0009/00](#)



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2012-02-16

Issue No.: 3

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.
4. The external plastic guard on the HBA Series LED Luminaire with Sand Blast Shield (Variation 3.4) is to be cleaned with a damp cloth only.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2012-02-16

Issue No.: 3

Page 4 of 4

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

Variation 3.1

Addition of an internal EMC shield together with clarification of the parts description, an alternative position for the external earth screw and an alternative self adhesive label.

Variation 3.2

Alternative version of the unit incorporating an increased safety terminal box.

The terminal box contains terminals as IECEx PTB 05.0003U and is electrically connected to the luminaire housing via an M25 line bushing as IECEx QPS 09.0001.

The terminal box is assembled using silicone rubber 'O' rings. Up to two M20 or M25 apertures are provided in the sides of the terminal box. Any unused aperture is fitted with blank plugs as IECEx BVS 07.0021.

The unit so formed is designated as the **HBA Series LED Luminaire with Junction Box**.

Variation 3.3

Alternative transportable version of the unit with a tubular stand to allow various mounting positions.

The unit is fitted with an increased safety terminal box as Variation 3.2 and with a Cooper Crouse Hinds cable gland as IECEx BKI 08.0007. An auxiliary external wire guard may also be fitted.

The unit so formed is designated as the **HBA Series Transportable Luminaire**.

Variation 3.4

Alternative version of the unit incorporating the increased safety terminal box as Variation 3.2 and fitted an external transparent plastic lens guard. A warning label is fitted to indicate the cleaning method for the guard.

The unit so formed is designated as the **HBA Series LED Luminaire with Sand Blast Shield**.

ExTR: GB/BAS/ExTR11.0324/00

File Reference: 11/0740



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 10.0074X issue No.:2

Status: **Current**

Certificate history:
Issue No. 2 (2011-6-29)
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Date of Issue: **2011-06-29** Page 1 of 4

Applicant: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIB T5 (-40°C to 60°C) Gb**
Ex tb IIIC T100°C (-40°C to 60°C) Db IP66
Ta -40°C to + 60°C

Approved for issue on behalf of the IECEx
Certification Body: R S Sinclair

Position: Managing Director

Signature:
(for printed version)

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 10.0074X

Date of Issue: 2011-06-29

Issue No.: 2

Page 2 of 4

Manufacturer: **Dialight Europe Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10
Edition: 5 | Explosive atmospheres - Part 0: Equipment - 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' |

*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/ExTR10.0166/00
GB/BAS/ExTR11.0105/00

Quality Assessment Report:

GB/BAS/QAR10.0009/00



IECEX Certificate of Conformity

Certificate No.: IECEX BAS 10.0074X

Date of Issue: 2011-06-29

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2011-06-29

Issue No.: 2

Page 4 of 4

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

Variation 2.1

This issue permits existing information (for example on Schedule Drawings) to be replaced by the revised certificate holders name. No other changes may be made to the certified design



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 10.0074X issue No.:1

Status: **Current**

Certificate history:
Issue No. 1 (2011-5-4)
Issue No. 0 (2011-2-23)

Date of Issue: 2011-05-04 Page 1 of 4

Applicant: **Dialight BLP Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIB T5 (-40°C to 60°C) Gb**
Ex tb IIIC T100°C (-40°C to 60°C) Db IP66
Ta -40°C to + 60°C

Approved for issue on behalf of the IECEx
Certification Body:

pp R S Sinclair

M POWNEY

Position: Managing Director

Signature:
(for printed version)

M Powney

04/05/11

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 10.0074X

Date of Issue: 2011-05-04

Issue No.: 1

Page 2 of 4

Manufacturer: **Dialight BLP Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5
- IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6
- IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition: 1

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/ExTR10.0166/00
GB/BAS/ExTR11.0105/00

Quality Assessment Report:

GB/BAS/QAR10.0009/00



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2011-05-04

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2011-05-04

Issue No.: 1

Page 4 of 4

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

Variation 1.1

Alternative M20 cable gland as IECEx BVS 10.0078X.

Variation 1.2

Alternative brass M25 to M20 cable gland reducer as IECEx SIR 05.0042U.

Variation 1.3

Use of 1.5mm thick IP sealing washers to maintain the degree of protection.

Variation 1.4

Alternative design of certification label.

Variation 1.5

Alternative, braided armour type, cable.

ExTR: GB/BAS/ExTR11.0105/00

File Reference: 11/0253



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.: issue No.:

Status:

Date of Issue: **2011-02-23** Page 1 of 3

Applicant: **Dialight BLP Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
United Kingdom

Electrical Apparatus: **LED High Bay Area light**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIB T5 (-40°C to 60°C) Gb**
Ex tb IIIC T100°C (-40°C to 60°C) Db IP66
Ta -40°C to + 60°C

Approved for issue on behalf of the IECEx
Certification Body:

PP R S Sinclair *M. Powney*

Position: Managing Director

Signature:
(for printed version)

M. Powney

23/2/11

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 10.0074X

Date of Issue: 2011-02-23

Issue No.: 0

Page 2 of 3

Manufacturer: **Dialight BLP Ltd**
Exning Road
Newmarket
Suffolk
CB8 0AX
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 : 2007-10
Edition: 5 | Explosive atmospheres - Part 0: Equipment - 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' |

*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/ExTR10.0166/00](#)

Quality Assessment Report:

[GB/BAS/QAR10.0009/00](#)



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 10.0074X

Date of Issue: 2011-02-23

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LED High Bay Area light (HBA) is a pendant floodlight rated at 100V to 277V, 50/60Hz, and up to 165W.

The HBA comprises an aluminium lamp enclosure housing high power LEDs and their associated driver circuits. A glass lens is clamped in place by an aluminium frame which is secured by 12 fasteners the heads of which are filled with epoxy resin to prevent removal.

The HBA has an integral cable and an external suspension bracket.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The HBA is a factory sealed product, do not attempt to open; return to the manufacturer for service or repair.
2. The HBA is to be suspended such that no tension is applied to the supply cable.
3. The integral cable is to be terminated in a suitable terminal or junction facility.