



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 12.0044X issue No.:5

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. 5 (2016-11-2)
Issue No. 4 (2016-6-1)
Issue No. 3 (2014-9-3)
Issue No. 2 (2014-3-11)
Issue No. 1 (2012-11-21)
Issue No. 0 (2012-3-26)

Equipment: **LED High Bay Area Light**
Optional accessory:

Type of Protection: **Flameproof or Flameproof and Increased Safety**


Marking: **see Schedule**

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

Position: Technical Manager

Signature:
(for printed version)

Date:


2/11/16

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 12.0044X

Date of Issue: 2016-11-02

Issue No.: 5

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/ExTR12.0056/00
GB/BAS/ExTR14.0206/00

GB/BAS/ExTR12.0280/00
GB/BAS/ExTR16.0054/00

GB/BAS/ExTR14.0058/00

Quality Assessment Report:

GB/SIR/QAR11.0014/05



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2016-11-02

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.

HBA Series LED Luminaire with Junction Box (Variation 0.1)

HBA Series Transportable Luminaire (Variation 0.2)

HBA Series LED Luminaire with Sand Blast Shield (Variation 0.3)

Marking:

14k Unit - 165W (Variation 1.2)

17k Unit – 195W (Variation 1.3)

Ex d IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted

Ex d e IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d e IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex tb IIIC T135°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 is to be cleaned with a damp cloth only.
5. To minimise the risk of electrostatic charging, clean only with a damp cloth.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2016-11-02

Issue No.: 5

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

Variation 5.1

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 12.0044X issue No.: 4

Status: **Current**

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

Certificate history:
~~Issue No. 4 (2016-6-1)~~
~~Issue No. 3 (2014-9-3)~~
~~Issue No. 2 (2014-3-11)~~
~~Issue No. 1 (2012-11-21)~~
~~Issue No. 0 (2012-3-26)~~

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 or Flameproof and Increased Safety**

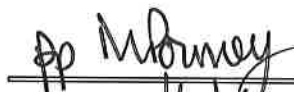

Marking: **see Schedule**

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

Position: Technical Manager

Signature:
(for printed version)

Date:


3/6/16 

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

SGS





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2016-06-01

Issue No.: 4

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.

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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

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GB/BAS/ExTR14.0206/00

GB/BAS/ExTR12.0280/00
GB/BAS/ExTR16.0054/00

GB/BAS/ExTR14.0058/00

Quality Assessment Report:

GB/BAS/QAR10.0009/04



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2016-06-01

Issue No.: 4

Page 3 of 4

Schedule

EQUIPMENT:

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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.

HBA Series LED Luminaire with Junction Box (Variation 0.1)

HBA Series Transportable Luminaire (Variation 0.2)

HBA Series LED Luminaire with Sand Blast Shield (Variation 0.3)

Marking:

14k Unit - 165W (Variation 1.2)

17k Unit - 195W (Variation 1.3)

Ex d IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted

Ex d e IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d e IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66 Ex tb IIIC T135°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 is to be cleaned with a damp cloth only.
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IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2016-06-01

Issue No.: 4

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

Variation 4.1

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

Variation 4.2

Introduction of an alternative window glass type to all models.

Variation 4.3

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 4.4

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

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Certificate No.: IECEx BAS 12.0044X issue No.: 3

Status: **Current**

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

Certificate history:
Issue No. 3 (2014-9-3)
Issue No. 2 (2014-3-11)
Issue No. 1 (2012-11-21)
Issue No. 0 (2012-3-26)

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 or Flameproof and Increased Safety**

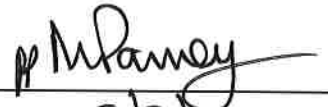
Marking: **see Schedule**

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

Position: General Manager

Signature:
(for printed version)

Date:


3/9/14

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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 12.0044X

Date of Issue: 2014-09-03

Issue No.: 3

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:

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*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/ExTR12.0056/00
GB/BAS/ExTR14.0206/00

GB/BAS/ExTR12.0280/00

GB/BAS/ExTR14.0058/00

Quality Assessment Report:

GB/BAS/QAR10.0009/03



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2014-09-03

Issue No.: 3

Page 3 of 4

Schedule

EQUIPMENT:

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

HBA Series LED Luminaire with Junction Box (Variation 0.1)

HBA Series Transportable Luminaire (Variation 0.2)

HBA Series LED Luminaire with Sand Blast Shield (Variation 0.3)

Marking:

14k Unit - 165W (Variation 1.2)

17k Unit - 195W (Variation 1.3)

Ex d IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted

Ex d e IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d e IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex tb IIIC T135°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 is to be cleaned with a damp cloth only.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2014-09-03

Issue No.: 3

Page 4 of 4

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

Variation 3.1

To allow minor drawing modifications which do not affect certification.

ExTR: GB/BAS/ExTR14.206/00

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 12.0044X issue No.: 2

Status: **Current**

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

Certificate history:
Issue No. 2 (2014-3-11)
Issue No. 1 (2012-11-21)
Issue No. 0 (2012-3-26)

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 or Flameproof and Increased Safety**

Marking: **see Schedule**

Approved for issue on behalf of the IECEx
Certification Body:

pp R S Sinclair *McBOWNEY*

Position: General Manager

Signature:
(for printed version)

McBOWNEY
11/3/14

Date:

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Certificate issued by:

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

SGS





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2014-03-11

Issue No.: 2

Page 2 of 4

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

Additional Manufacturing location(s):

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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/ExTR12.0056/00

GB/BAS/ExTR12.0280/00

GB/BAS/ExTR14.0058/00

Quality Assessment Report:

GB/BAS/QAR10.0009/02



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2014-03-11

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.

HBA Series LED Luminaire with Junction Box (Variation 0.1)

HBA Series Transportable Luminaire (Variation 0.2)

HBA Series LED Luminaire with Sand Blast Shield (Variation 0.3)

Marking:

14k Unit - 165W (Variation 1.2)

17k Unit - 195W (Variation 1.3)

Ex d IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex tb IIIC T135°C (-40°C to +60°C) Db IP66

or, when the terminal box is fitted

Ex d e IIB + H₂ T5 (-40°C to +60°C) Gb

Ex d e IIB + H₂ T4 (-40°C to +60°C) Gb

Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Ex tb IIIC T135°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 is to be cleaned with a damp cloth only.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2014-03-11

Issue No.: 2

Page 4 of 4

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

Variation 2.1

To clarify that the full marking is as above.

Variation 2.2

To clarify that the drawing reference in Baseefa12ATEX0070X should be A73-000582.

Variation 2.3

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

Variation 2.4

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

Variation 2.5

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

Variation 2.6

To clarify that the drawing reference in GB/BAS/ EX TR10.0166/00 (associated with IECEx BAS10.0074X) should be Z70-000723, and it is held with IECEx BAS 10.0074X.

Variation 2.7

Minor drawing amendment.

ExTR: GB/BAS/ExTR14.0058/00

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 12.0044X issue No.: 1

Status: **Current**

Certificate history:
Issue No. 1 (2012-11-21)
Issue No. 0 (2012-3-26)

Date of Issue: **2012-11-21** 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 or Flameproof and Increased Safety**

Marking: **see Variations 1.2 and 1.3**

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

General Manager

Signature:
(for printed version)


21-11-12

Date:

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Certificate issued by:

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





IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2012-11-21

Issue No.: 1

Page 2 of 4

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

Manufacturing location(s):

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[GB/BAS/ExTR12.0056/00](#)

[GB/BAS/ExTR12.0280/00](#)

Quality Assessment Report:

[GB/BAS/QAR10.0009/01](#)



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2012-11-21

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

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

Variation 0.1

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

The terminal box electrically connected to the luminaire housing via a line bushing.

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.

The unit so formed is designated as the **HBA Series LED Luminaire with Junction Box**, and is marked:

Ex d e IIB+H₂ T5 Gb

Ex tb IIIC T100°C Db IP66

Ta -40°C to +60°C

Variation 0.2

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. An auxiliary external wire guard may also be fitted

The unit so formed is designated as the **HBA Series Transportable Luminaire** and is marked:

Ex d e IIB+H₂ T5 Gb

Ex tb IIIC T100°C Db IP66

Ta -40°C to +60°C

Variation 0.3

Alternative version of the unit incorporating the increased safety terminal box as above and fitted with 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** and is marked:

Ex d e IIB+H₂ T5 Gb

Ex tb IIIC T100°C Db IP66

Ta -40°C to +60°C

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 is to be cleaned with a damp cloth only.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

Date of Issue: 2012-11-21

Issue No.: 1

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

Variation 1.1

Minor drawing and constructional amendments for the machined castings.

Variation 1.2

Variation to the chassis and LED lamp assembly to form a unit with, a 14k lumen nominal luminous flux, and rated at 165W.

Marking:

14k Unit

Ex d IIB + H₂ 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 + H₂ 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 1.3

Variation to the chassis and LED lamp assembly to form a unit with, a, 17k lumen nominal luminous flux, together with a subsequent increase in maximum electrical rating to 195W, and a change in markings as detailed above

Marking:

17k Unit

Ex d IIB + H₂ 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 + H₂ 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

Variation 1.4

Change to marking.

ExTR: GB/BAS/ExTR12.0280/00

File Reference: 12/0698



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 12.0044X issue No.: 0 Certificate history:

Status: Current

Date of Issue: 2012-03-26 Page 1 of 3

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 or Flameproof and Increased Safety**

Marking: **Ex d IIB+H₂ T5 Gb**
Ex tb IIIC T100°C Db IP66
Ta -40°C to +60°C

or, when the terminal box is fitted

Ex d e IIB+H₂ T5 Gb
Ex tb IIIC T100°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)


26/3/12

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 12.0044X

Date of Issue: 2012-03-26

Issue No.: 0

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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/ExTR12.0056/00](#)

Quality Assessment Report:
[GB/BAS/QAR10.0009/01](#)



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 12.0044X

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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.

Variation 0.1

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

The terminal box electrically connected to the luminaire housing via a line bushing.

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.

The unit so formed is designated as the **HBA Series LED Luminaire with Junction Box**, and is marked:

Ex d e IIB+H₂ T5 Gb

Ex tb IIIC T100°C Db IP66

Ta -40°C to +60°C

Variation 0.2

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. An auxiliary external wire guard may also be fitted

The unit so formed is designated as the **HBA Series Transportable Luminaire** and is marked:

Ex d e IIB+H₂ T5 Gb

Ex tb IIIC T100°C Db IP66

Ta -40°C to +60°C

Variation 0.3

Alternative version of the unit incorporating the increased safety terminal box as above and fitted with 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** and is marked:

Ex d e IIB+H₂ T5 Gb

Ex tb IIIC T100°C Db IP66

Ta -40°C to +60°C

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 is to be cleaned with a damp cloth only.