



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: 6

Certificate history:

Issue No. 6 (2018-11-27)

Issue No. 5 (2016-11-02)

Issue No. 4 (2016-06-01)

Issue No. 3 (2014-09-03)

Issue No. 2 (2014-03-11)

Issue No. 1 (2012-11-21)

Issue No. 0 (2012-03-26)

Status: **Current**

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Date of Issue: **2018-11-27**

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

Equipment: **LED High Bay Area Light**

Optional accessory:

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

Marking:
see Schedule

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

M POWNEY
Certification
Manager

Date:

M Powney
28/11/18

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





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

Additional Manufacturing location(s):

Dialight de México S. de R.L. de C.V. (Plant 1)

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 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](#)
[GB/BAS/ExTR18.0221/00](#)

Quality Assessment Report:

[GB/SIR/QAR11.0014/07](#)



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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.

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 III C T100°C (-40°C to +60°C) Db IP66

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

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

SPECIFIC CONDITIONS OF USE: 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.



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

Variation 6.1

To clarify that the 235W LED light introduced at variation 4.1 shall be marked:-

Ex d IIB+H₂ T4 Gb (T_{amb} = -40°C to +60°C)

Ex tb IIIC T135°C Db IP66

Or when the increased safety terminal box is fitted:-

Ex d e IIB+H₂ T4 Gb (T_{amb} = -40°C to +60°C)

Ex tb IIIC T135°C Db IP66

Variation 6.2

Minor drawing changes that do not affect certification.

ExTR: GB/BAS/ExTR18.0221/00

File Reference: 18/0487