



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEX BAS 10.0074X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 11	Issue 10 (2018-11-27)
Date of Issue:	2022-07-22		Issue 9 (2016-11-02)
Applicant:	<b>Dialight Corporation</b> 1501 Route 34 South Farmingdale New Jersey, 07727 <b>United States of America</b>		Issue 8 (2016-06-01)
Equipment:	<b>LED High Bay Area light</b>		Issue 7 (2014-09-03)
Optional accessory:			Issue 6 (2014-03-11)
Type of Protection:	<b>Flameproof, Increased Safety, Dust Protected</b>		Issue 5 (2013-09-16)
Marking:	<b>See schedule</b>		Issue 4 (2012-09-05)
			Issue 3 (2012-02-16)
			Issue 2 (2011-06-29)
			Issue 1 (2011-05-04)

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

D BREARLEY  
Certification  
Manager

Date:  
(for printed version)

22/7/2022

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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**

Manufacturing locations: **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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[GB/BAS/ExTR10.0166/00](#)  
[GB/BAS/ExTR12.0230/00](#)  
[GB/BAS/ExTR14.0206/00](#)  
[GB/BAS/ExTR21.0141/00](#)

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

### Quality Assessment Report:

[GB/SIR/QAR11.0014/12](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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

The HBA comprises of 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 db IIB T5 (-40°C to +60°C) Gb  
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

Or, when the terminal box is fitted:

Ex db eb 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 db 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 db eb 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 db IIB T5 (-40°C to +60°C) Gb  
Ex tb IIIC T100°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 (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.



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

### Variation 11.1

To assess the LED High Bay Area Lights against IEC 60079-0:2017 Edition 7.0, IEC 60079-1:2014 Edition 7.0, IEC 60079-7:2015+A1:2017 Edition 5.1 and IEC 60079-31:2013 Edition 2.

### Variation 11.2

To amend the nameplate to accommodate UKEX certificate numbers.

### Variation 11.3

To allow a change in certificate numbers for Ex certified items used in the equipment.

ExTR: **GB/BAS/ExTR21.0141/00**

File Reference: **21/0406**