



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

Certificate No.:	IECEX BAS 12.0044X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 7	Issue 6 (2018-11-27)
Date of Issue:	2022-07-22		Issue 5 (2016-11-02)
Applicant:	Dialight Corporation 1501 Route 34 South Farmingdale New Jersey, 07727 United States of America		Issue 4 (2016-06-01)
Equipment:	LED High Bay Area Light		Issue 3 (2014-09-03)
Optional accessory:			Issue 2 (2014-03-11)
Type of Protection:	Flameproof, Increased Safety, Dust Protected		Issue 1 (2012-11-21)
Marking:	see Schedule		Issue 0 (2012-03-26)

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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2. This certificate is not transferable and remains the property of the issuing body.
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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/ExTR12.0056/00](#)
[GB/BAS/ExTR14.0206/00](#)
[GB/BAS/ExTR21.0141/00](#)

[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/QAR11.0014/12](#)



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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 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.

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)

Ex db IIB+H2 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+H2 T5 (-40°C to +60°C) Gb
Ex tb IIIC T100°C (-40°C to +60°C) Db IP66

17K Unit – 195W (Variation 1.3)

Ex db IIB+H2 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+H2 T4 (-40°C to +60°C) Gb
Ex tb IIIC 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 7.1

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 7.2

To amend the nameplate to accommodate UKEX certificate numbers.

Variation 7.3

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**