1 # EU - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3 EU - Type Examination Certificate Number: **Baseefa10ATEX0148X – Issue 10**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **LED High Bay Area Light**

5 Manufacturer: **Dialight Corporation**

6 Address: **1501 Route 34 South, Farmingdale, New Jersey, 07727, United States of America**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa10ATEX0148X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. See certificate history

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 **EN 60079-1:2014** **EN IEC 60079-7:2015+A1:2018** **EN 60079-31:2014**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

Ⓔx II 2 GD Ex db IIB T* Gb (T_{amb} -40°C to +60°C) or Ex db eb IIB T* Gb (T_{amb} -40°C to +60°C)
Ex tb IIIC T°C Db IP66 Ex tb IIIC T**°C Db IP66 (*/** - See Schedule)**

SGS Fimko Oy Customer Reference No. **6917** Project File No. **21/0406**

This document is issued by the Company subject to their General Conditions for Certification Services accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx . Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of their intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Fimko Oy
Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi
Business ID 0978538-5 Member of the SGS Group (SGA SA)

Tuomas Hänninen
SGS Fimko Oy

13 # Schedule

14 ## Certificate Number Baseefa10ATEX0148X – Issue 10

15 Description of Product

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

16 Report Number

See certificate history.

17 Specific Conditions of Use

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.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
8854HEA0001-EX*	1 – 7	D	4-26-22	ATEX HIGHBAY CERTIFICATION PRINT
8854HLA0001-EX**	1 – 2	G	5-16-22	HL SERIES 25,000 LUMEN LED HIGHBAY

Current drawings which remain unaffected by this issue:

None

* This drawing is common to Baseefa10ATEX0148X, Baseefa12ATEX0070X, BAS21UKEX0597X, BAS21UKEX0598X, IECEx BAS 12.0044X and IECEx BAS 10.0074X and is held with the latter.

** This drawing is common Baseefa10ATEX0148X, BAS21UKEX0597X and IECEx BAS 10.0074X and is held with the latter.

20 Certificate History

Certificate No.	Date	Comments
Baseefa10ATEX0148X	18 February 2011	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2009, EN 60079-1:2007 and IEC 60079-31:2008 is documented in Test Report No. GB/BAS/ExTR10.0166.
Baseefa10ATEX0148X/1	27 April 2011	To permit the use of an alternative M20 cable gland and an alternative brass M25 to M20 cable gland reducer. To permit the use of 1.5mm thick IP sealing washers. To permit an alternative design of certification label. To permit an alternative braided armour type cable. Baseefa certification report GB/BAS/ExTR11.0105/00 refers.
Baseefa10ATEX0148X/2	15 February 2012	To permit the addition of an internal EMC shield, an alternative position for the external earth screw and an alternative self-adhesive label. To introduce an alternative version of the unit incorporating an increased safety terminal box designated HBA Series LED Luminaire with Junction Box. To introduce an alternative transportable version with a tubular, stand designated HBA Series Transportable Luminaire. To introduce an alternative version of the unit incorporating an increased safety terminal box and an external transparent plastic lens guard. Baseefa certification report GB/BAS/ExTR11.0324/00 refers.

Certificate No.	Date	Comments
Baseefa10ATEX0148X/3	31 August 2012	To permit minor drawing an constructional amendments for the machined castings. To permit a variation to the chassis LED lamp assembly unit with an increased 14K lumen nominal flux and a maximum electrical rating of 165W. To permit a variation to the chassis LED lamp assembly unit with an increased 17K lumen nominal flux and a maximum electrical rating of 195W. Baseefa certification report GB/BAS/ExTR12.0230/00 refers.
Baseefa10ATEX0148X/4	16 September 2013	To introduce an alternative design of the lens retaining ring. To introduce an alternative material specification for the lens. to permit an alternative tapped length for the threaded entry of the light engine enclosure. to introduce an alternative version of the unit incorporating a contiguous flameproof power supply enclosure designated the HL Series 25,000 Lumen LED Highbay. Baseefa certification report GB/BAS/ExTR13.0170/00 refers.
Baseefa10ATEX0148X/5	11 March 2014	To permit the addition of a 300 micron thick self-adhesive clear plastic film to the exterior lens surface. Change of certificates for the M25 Quintex line bushing and M25 reducer. To permit minor drawing amendments. Baseefa certification report GB/BAS/ExTR14.0054/00 refers.
Baseefa10ATEX0148X/6	3 September 2014	To allow minor drawing modifications not affecting certification. Baseefa certification report GB/BAS/ExTR14.0206/00 refers.
Baseefa10ATEX0148X/7	1 June 2016	To introduce an alternative LED light and power supply layouts, with increased power rating of 235W. To introduce a new window glass type to all models. To rationalize the certification drawings, to simplify and supersede the original drawings. To introduce an additional specific condition of use regarding potential electrostatic charging. SGS Baseefa certification report GB/BAS/ExTR16.0054/00 refers.
Baseefa10ATEX0148X/8	2 November 2016	To permit the existing information to be replaced by the revised certificate holders name and address.
Baseefa10ATEX0148X/9	4 October 2018	To clarify the marking for the 235W LED Light. Baseefa certification report GB/BAS/ExTR18.0221/00 refers.
Baseefa10ATEX0148X Issue 10	19 July 2022	To assess the LED High Bay Area Lights against EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-7:2015+A1:2018 and EN 60079-31:2014. To amend the nameplate to accommodate UKEX certificate numbers. To allow a change in the Ex certified items used in the equipment. SGS Baseefa certification report GB/BAS/ExTR21.0141/00 refers.
For drawings applicable to each issue, see original of that issue.		