

EU - TYPE EXAMINATION CERTIFICATE

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

- 1 EU - Type Examination Certificate Number: **SGS22ATEX0007X – Issue 1**
- 2 Product: **Vision LED Headlamp Model 200501**
- 3 Manufacturer: **Koehler-Bright Star**
- 4 Address: **380 Stewart Road, Hanover Twp, PA 18706, United States of America**
- 5 This re-issued certificate extends EU Type Examination Certificate No. **SGS22ATEX0007X** 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.
- 6 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.
- 7 The examination and test results are recorded in confidential Report No. **See Certificate History**
- 8 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012 EN 60079-28: 2015
except in respect of those requirements listed at item 18 of the Schedule.
- 9 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.
- 10 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.
- 11 The marking of the product shall include the following :
- 12 **Ex II 1 G Ex ia op is IIC T4 Ga**

SGS Fimko Oy Customer Reference No. **7128**

Project File No. **23/0153**

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Authorised Signatory for SGS Fimko Oy

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Schedule

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Certificate Number SGS22ATEX0007X – Issue 1

15 Description of Product

3-AAA Vision Headlamp is powered by 3 AAA cells in series 1.5V each. Five cell types may be used, Mfg. Duracell MN2400 AAA 1.5V Alkaline, E92 Energizer Alkaline AAA 1.5V cell, PC2400 AAA Alkaline-Manganese Dioxide cells, KA1100 AAA Alkaline KBS Prime Power Solutions and KA1200 AAA Alkaline KBS Prime Power Solutions. There are two modes of LED operation on the vision Headlamp. One mode is Main LED using high power (Spot) LED, and second mode is flashing and steady mode LED.

16 Report Number

See Certificate History.

17 Specific Conditions of Use

1. Control environmental humidity to minimize the generation of static electricity. Wipe with a damp cloth to minimize potential for static build-up in dry environments.
2. Replace batteries in an atmosphere known to be non-hazardous.
3. Do not open equipment in a hazardous area.
4. Do not mix old batteries with used batteries, or mix batteries from different manufactures.
5. Replace batteries only with the following battery models/types. Duracell MN2400 AAA 1.5V Alkaline, E92 Energizer Alkaline AAA 1.5V cell, PC2400 AAA Alkaline-Manganese Dioxide cells, KA1100 AAA Alkaline KBS Prime Power Solutions and KA1200 AAA Alkaline KBS Prime Power Solutions.

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
3B-2164	1 of 2	B	2/13/23	VISION HEADLAMP MODEL 200501 PCB ASSEMBLY.
3B-2164	2 of 2	B	2/13/23	VISION HEADLAMP MODEL 200501 PCB ASSEMBLY.
3B-2165	1 to 2	B	03/30/23	VISION LED HEADLAMP
200501INS	1 of 1	B	03/2023	VISION LED HEADLAMP MODEL 200501

There are no current drawings unaffected by this issue

These drawings are common to IECEx BAS 22.0003X and BAS22UKEX0010X.

20 Certificate History

Certificate No.	Date	Comments
SGS22ATEX0007X	04 February 2022	The release of the prime certificate. The associated test and assessment against the requirements of EN IEC 60079-0:2018, EN 60079-11:2012 and EN 60079-28:2015 is documented in IECEx Test Report No. GB/BAS/ExTR22.0005/00 held with Project No. 20/0398.
SGS22ATEX0007X Issue 1	13 June 2023	This issue of the certificate permits the introduction of two alternative cell types considered suitable to be used with the equipment. The new cells are KA1100 cells manufactured by KBS Prime Power Solutions and KA1200 cells manufactured by KBS Prime Power Solutions. Additionally, the variation introduces new specific conditions of use and a reduced detail (short form) certification label to replace the originally certified long form version and permits constructional changes to the equipment that impact the intrinsic safety aspects of the certification.. The associated test and assessment is recorded in IECEx ExTR GB/SGS/ExTR23.0045/00 and held with project 23/0153.
For drawings applicable to each issue, see original of that issue.		