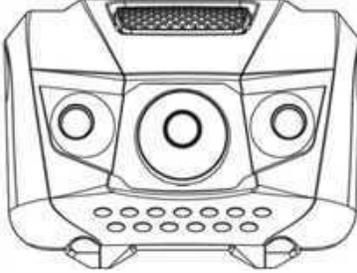




A Marmon Group/Berkshire Hathaway Company

VISION LED HEADLAMP MODEL 200501



Approvals

	CLASS I DIV 1 & 2 GROUPS A-D T4 1PX4		II 1G Ex ia op is IIC T4 Ga Tamb: -20°C to 40°C
	IECEx BAS 22.0003X		SGS22ATEX0007X BAS22UKEX0010X

Warnings

APPROVED FOR USE WITH KBS POWER SOLUTIONS KA1100, KBS POWER SOLUTIONS KA1200 AND ENERGIZER E92

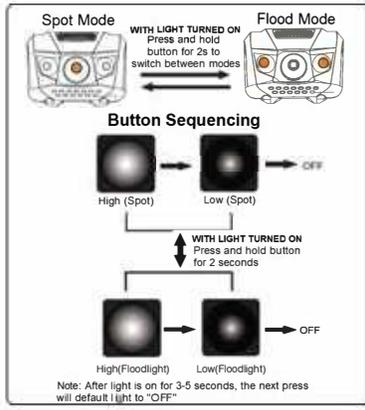
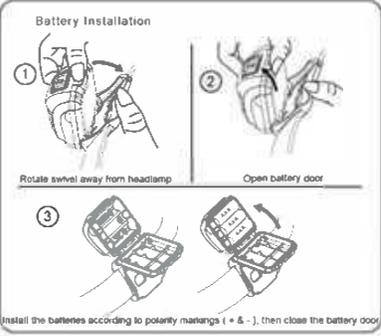
X CONDITION WARNING - CONTROL ENVIRONMENTAL HUMIDITY TO MINIMIZE THE GENERATION OF STATIC ELECTRICITY. WIPE WITH DAMP CLOTH TO MINIMIZE POTENTIAL FOR STATIC BUILDUP IN DRY ENVIRONMENTS.

DO NOT MIX NEW AND USED BATTERIES. DO NOT MIX BATTERIES FROM DIFFERENT MANUFACTURERS SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY

AVERTISSEMENT: LA SUBSTITUTION DES COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSEQUE

DO NOT REPLACE BATTERY WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

AVERTISSEMENT: POUR RÉDUIRE LE RISQUE D'EXPLOSION, NE MÉLANGEZ PAS DES PILES NEUVES AVEC DES PILES USAGÉES, OU DES PILES DE FABRICANTS DIFFÉRENTS



User Instructions

- The Vision Headlamp requires 3-AAA batteries. See 'Battery Installation' graphic for battery installation procedure
- The Vision Headlamp has 4 light options: High Spot Mode, Low Spot Mode, High Flood Mode, and Low Flood Mode. See 'Button Sequencing' graphic for performance and function options.

Care And Maintenance

- Do not use product in extreme cold (below -20 °C/-4°F) or extreme heat (above 40°C/104°F).
- Do not mix battery brands or mix old and new batteries
- Do not store for long periods of time with batteries installed as to prevent battery depletion, leakage and/or corrosion.
- Do not submerge in water. Vision Headlamp is weather and splash resistant but not intended for prolonged submersion.

Warranty

- One (1) year limited warranty. See website for details.

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www.KBSInnovations.com

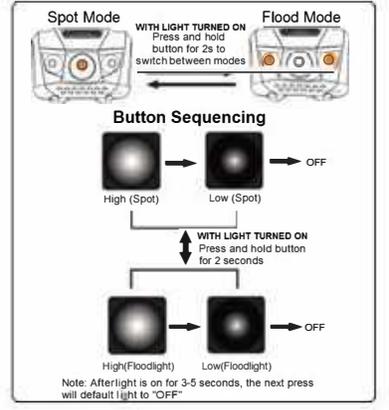
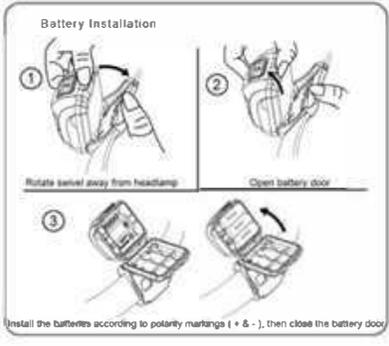
Espanol

Aprobaciones

	CLASS I DIV 1 & 2 GROUPS A-D T4 1PX4		II 1G Ex ia op is IIC T4 Ga Tamb: -20°C to 40°C
	IECEx BAS 22.0003X		SGS22ATEX0007X BAS22UKEX0010X

Advertencias

APROBADO PARA SU USO CON KBS POWER SOLUTIONS KA1100, KBS POWER SOLUTIONS KA1200 Y ENERGIZER E92 X CONDICIÓN ADVERTENCIA CONTROLAR LA HUMEDAD AMBIENTAL PARA MINIMIZAR LA GENERACIÓN DE ELECTRICIDAD ESTÁTICA. LIMPIE CON UN PAÑO HÚMEDO PARA MINIMIZAR LA POSIBILIDAD DE ACUMULACIÓN DE ESTÁTICA EN AMBIENTES SECOS. NO MEZCLE BATERÍAS NUEVAS Y USADAS. NO MEZCLE BATERÍAS DE DIFERENTES FABRICANTES LA SUBSTITUCIÓN DE COMPONENTES PUEDE PERJUDICAR LA SEGURIDAD INTRÍNSECA AVISO: LA SUBSTITUCIÓN DES COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSEQUE NO CAMBIE LA BATERÍA CUANDO HAYA UNA ATMÓSFERA EXPLOSIVA NO ABRA CUANDO HAYA UNA ATMÓSFERA EXPLOSIVA AVISO: POUR RÉDUIRE LE RISQUE D'EXPLOSION, NE MÉLANGEZ PAS DES PILES NEUVES AVEC DES PILES USAGÉES, OU DES PILES DE FABRICANTS DIFFÉRENTS



Instrucciones De Usuario

- instalación de Bateria' para el procedimiento de instalación de la batería. El faro Vision tiene 4 opciones de luz: modo de punto alto, modo de punto bajo, modo de inundación alta y modo de inundación baja. Consulte el gráfico "Secuencia de botones" para ver las opciones de rendimiento y funciones.

Cuidado y mantenimiento

- No utilice el producto en condiciones de frío extremo (por debajo de -20 °C/-4 °F) o calor extremo (por encima de 40 °C/104 °F).
- No mezcle marcas de baterías ni mezcle baterías viejas y nuevas
- No almacene durante largos períodos de tiempo con las baterías instaladas para evitar el agotamiento, fugas y/o corrosión de las baterías.
- No sumergir en agua. El faro Vision es resistente a la intemperie y a las salpicaduras, pero no está diseñado para una inmersión prolongada.

Garantía

- Un (1) año de garantía limitada. Ve el sitio web para detalles.

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www.KBSInnovations.com

Français

Agréments



Attention

APPROUVÉ POUR UTILISATION AVEC KBS POWER SOLUTIONS KA1100, KBS POWER SOLUTIONS KA1200 ET ENERGIZER E92 X AVERTISSEMENT SUR LES CONDITIONS CONTROLLER L'HUMIDITE AMBIANTE POUR MINIMISER LA PRODUCTION D'ELECTRICITE STATIQUE. ESSUYER AVEC UN CHIFFON HUMIDE POUR MINIMISER LE RISQUE D'ACCUMULATION D'ELECTRICITE STATIQUE DANS LES ENVIRONNEMENTS SECS. NE PAS MELANGER DES PILES NEUVES ET DES PILES USAGÉES. NE PAS MELANGER DES PILES DE DIFFÉRENTS FABRICANTS LA SUBSTITUTION DE COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSÈQUE AVERTISSEMENT : LA SUBSTITUTION DES COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSÈQUE NE PAS REMPLACER LA BATTERIE EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE AVERTISSEMENT : POUR RÉDUIRE LE RISQUE D'EXPLOSION, NE MÉLANGEZ PAS DES PILES NEUVES AVEC DES PILES USAGÉES, OU DES PILES DE FABRICANTS DIFFÉRENTS

Instructions d'utilisation

- Voir aussi Graphique "Installation de la batterie" pour la procédure d'installation de la batterie. La lampe frontale Vision dispose de 4 options d'éclairage: Mode High Spot, Mode Low Spot, Mode High Flood et Mode Low Flood. Voir le graphique "Séquencement des boutons" pour les options de performance et de fonction.

Entretien et maintenance

- Ne pas utiliser le produit par grand froid (moins de -20°C/-4°F) ou par grande chaleur (plus de 40°C/104°F).
- Ne pas mélanger les marques de piles ni les piles neuves et anciennes.
- Ne pas stocker pendant de longues périodes avec les piles installées afin d'éviter qu'elles ne s'épuisent, ne fuient et/ou ne se corrodent.
- Ne pas immerger dans l'eau. La lampe frontale Vision est résistante aux intempéries et aux éclaboussures, mais n'est pas conçue pour une immersion prolongée.

Garantie

- Garantie limitée d'un (1) an. Voir le site web pour plus de détails.

Deutsch

Zulassung



Wahrung

ZUR VERWENDUNG MIT KBS POWER SOLUTIONS KA1100, KBS POWER SOLUTIONS KA1200 UND ENERGIZER E92 ZUGELASSEN X WARNHINWEISE - KONTROLIEREN SIE DIE FEUCHTIGKEIT IN DER UMGEBUNG, UM DIE ERZEUGUNG DER STATISCHEN ELEKTRIZITÄT ZU VERRINGERN. REINIGEN SIE MIT EINEM FEUCHTEN TUCH, UM DAS POTENZIAL ZUR ERHÖHUNG DER STATISCHEN AUFLADUNGEN IN TROCKNENEN UMGEBUNGEN ZU REDUZIEREN. MISCHEN SIE NEUE UND GEBRAUCHTE BATTERIEN NICHT MITEINANDER. SETZEN SIE KEINE BATTERIEN MIT VERSCHIEDENEN MARKEN ZUSAMMEN EINE ERSETZUNG DER BATTERIEKOMPONENTEN KANN IHRE EIGENSICHERHEIT BEEINTRÄCHTIGEN AVERTISSEMENT: LA SUBSTITUTION DES COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSÈQUE WECHSELN ODER ÖFFNEN SIE KEINE BATTERIE BEI EINER EXPLOSIONSFÄHIGEN ATMOSPHÈRE AVERTISSEMENT: POUR RÉDUIRE LE RISQUE D'EXPLOSION, NE MÉLANGEZ PAS DES PILES NEUVES AVEC DES PILES USAGÉES, OU DES PILES DE FABRICANTS DIFFÉRENTS

Gebrauchsanleitung

- Für den Betrieb der Lampe benötigt man 3 AAA Batterien. Sehen Sie die grafische Darstellung der ,Batterieinstallation" zum Installationsverfahren.
- Die Vision LED Stirnlampe ist mit 4 Beleuchtungsstärken: Spotlight und Flutlicht, hohe sowie niedrige Beleuchtungsstärke. Sehen Sie die grafische Darstellung der ,Tastenfolge" für Lichtleistung und Funktionen.

Wartung und Pflege

- Das Produkt darf nicht bei extremer Kälte (unter -20 °C/-4 °F) oder extremer Hitze (über 40 °C/104 °F) eingesetzt werden.
- Die Batterientypen dürfen nicht zusammen mit alten oder neuen Batterien eingesetzt werden
- Sie dürfen installierte Batterien nicht zu lange eingelegt lassen. So kommt es nicht zu Entladung, Leckagen und/oder Korrosion.
- Sie dürfen die Batterie nicht in Wasser tauchen. Die Vision LED Stirnlampe ist wetterfest und spritzwassergeschützt, jedoch nicht für längeres Untertauchen vorgesehen.

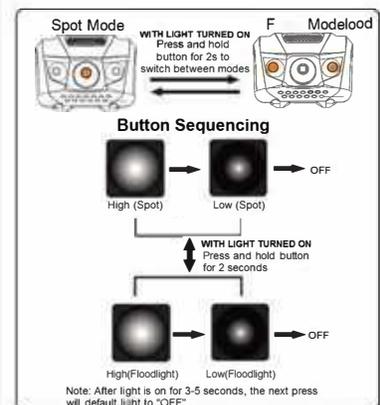
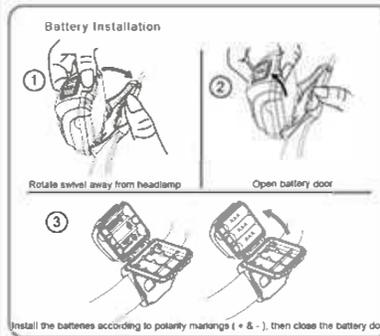
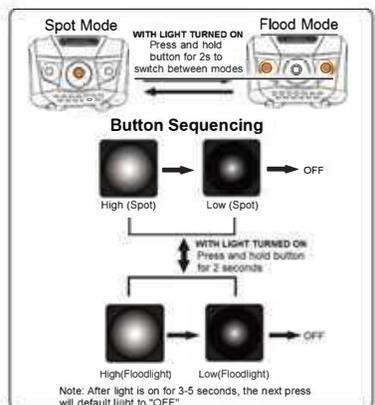
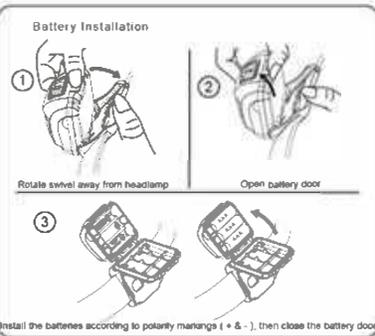
Garantie

- Ein Jahr beschränkte Garantie. Weitere Informationen können Sie auf unserer Website nachlesen.

BRIGHT STAR

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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: **SGS22ATEX0007X – Issue 1**

4 Product: **Vision LED Headlamp Model 200501**

5 Manufacturer: **Koehler-Bright Star**

6 Address: **380 Stewart Road, Hanover Twp, PA 18706, United States of America**

7 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.

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.

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:

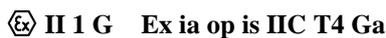
EN IEC 60079-0:2018 EN 60079-11:2012 EN 60079-28: 2015

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 :



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

Project File No. **23/0153**

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

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Business ID 0978538-5 Member of the SGS Group (SGA SA)



Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

13

Schedule

14

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.		



CERTIFICATE OF COMPLIANCE

Certificate Number: **3/SUW/00185X**

Contract Number: **ERT180800211**

Certified Product: **Headlamp**
Trademarks: **LED Headlamp**
Model(s): **01**

Technical Details: **Division 1, Group A – D, T4**
Division 2, Group A – D, T4

Certificate Holder: **er-Bright Star, LLC**
Stewart Road, 18706, Hanover, Georgia, United States of America

This certificate supersedes all other certificates issued with the same certificate number. Certification is valid where indicated on the SGS directory of certified products at www.sgs.com or using the QR code below. The product is certified according to ISO/IEC Guide 65:2012 conformity assessment - Fundamentals of product certification, Annex 3, in accordance with:

UL 913, 5th Ed. February 24, 1997
CAN/CSA C79.1-17-92 (R2016) +Upd1 +Upd2

Certification Conditions:
Only the following components are used: Duracell MN2400, Duracell, KBS Prime Power Solutions KA

Authorized by: **April 2023**

Vijay Rangasajan

Vijayaraghavan
Certifier



Certification Body

Connectivity & Products, a division of SGS North America Inc.
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
t +1 770 570 1800 f +1 770 277 1240 www.sgs.com





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 22.0003X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2022-02-07\)](#)
Date of Issue: 2023-06-15
Applicant: **Koehler Bright Star**
380 Stewart Road
Hanover Twp
PA
18706
United States of America
Equipment: **Vision LED Headlamp Model 200501**
Optional accessory:
Type of Protection: **Intrinsic Safety, Inherently Safe Optical Radiation**
Marking: Ex ia op is IIC T4 Ga

Approved for issue on behalf of the IECEx
Certification Body:

Mr R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

pp D Brearley

Date:
(for printed version)

15/06/2023

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 www.iecex.com or use of this QR Code.



Certificate issued by:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 22.0003X**

Page 2 of 4

Date of issue: 2023-06-15

Issue No: 1

Manufacturer: **Koehler Bright Star**
380 Stewart Road
Hanover Twp
PA
18706
United States of America

Manufacturing locations: **Koehler Bright Star**
380 Stewart Road
Hanover Twp
PA
18706
United States of America

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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/ExTR22.0005/00](#)

[GB/SGS/ExTR23.0045/00](#)

Quality Assessment Report:

[US/FMG/QAR08.0001/14](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 22.0003X**

Page 3 of 4

Date of issue: 2023-06-15

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.



IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 22.0003X**

Page 4 of 4

Date of issue: 2023-06-15

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 1.1

To extend the cell types permitted to be used with the equipment.

Variation 1.2

To permit constructional changes to the equipment that impacts the intrinsic safety aspects of the certification.

Variation 1.3

To permit amendments to the marking of the equipment.

Variation 1.4

To extend the Specific Conditions of Use applied to the equipment.

ExTR: **GB/SGS/ExTR23.0045/00**

File Reference: **23/0153**