



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 21.0042** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-08-05

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

Equipment: **RAZOR 60160/RAZOR FSL 60170 Flashlights**

Optional accessory:

Type of Protection: **Intrinsic Safety, Inherently Safe Optical Radiation**

Marking: **Ex ia op is IIC T2 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

Mr R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

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





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Manufacturer: **Koehler-Bright Star**
380 Stewart Road
Hanover Twp
PA
18706
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Additional
manufacturing
locations:

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 Report:

[GB/BAS/ExTR21.0134/00](#)

Quality Assessment Report:

[US/FMG/QAR08.0001/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

RAZOR 60160 and RAZOR FSL 60170 Flashlights are powered by 3 x 1.5V AA cells in series. The three Alkaline cell types that may be used are marked on the body of the flashlight: Duracell (MN1500) LR6; Energizer Alkaline LR06; Rayovac AA LR06.

RAZOR 60160 operates with one spotlight and the RAZOR FSL 60170 has a side light and a spotlight. The unit is cylindrical in shape with approximately 18cm in length and 4.5cm round. The irradiated area of the light source or the lens is effectively around 1000mm².

SPECIFIC CONDITIONS OF USE: NO