CERTIFICATE OF COMPLIANCE

Certificate Number: **SGSNA/24/CA/00010X**

Contract Number: 710182
Certificate Project Number: SUW-CERT241100174

Certified Product: LED Rechargeable Lantern
Trademarks: Lighthawk Raptor
Model(s): RSXXXX (XXXX indicates different configurations of chargers, colors, strap types etc.)
Technical Data: 7.4V||9.6Ah||71.01Wh (6 Cell); 7.4V||6.4Ah||47.36Wh (4 Cell);
Class I, Division 1, Groups C – D; Class I, Division 2, Groups C – D;
-20°C < TAmb < +40°C, T4
Ex ia op is IIB T4 Ga
Um = 12V

Certificate Holder: Koehler-Bright Star, LLC
380 Stewart Road, 18706, Hanover Township, Pennsylvania, United States of America

This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are 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 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:

UL 913, 8th Edition, Rev. Dec. 6, 2019
CAN/CSA C22.2 No. 60079-0:19
CAN/CSA C22.2 No. 60079-11:14
CAN/CSA C22.2 No. 60079-28, 1st Edition, 2016

Certification Condition

1) The equipment enclosure includes attached external conductive parts. The measured capacitance on the charging terminal is 21pF. The end user shall determine suitability in the specific application.
2) Product shall be charged with Lighthawk Raptor Charger Item #07690 and must be charged only in unclassified areas.
3) Ordinary Locations evaluation was not conducted. The certificate holder is responsible for maintaining an ordinary locations certification in good standing by an NRTL.

Authorized by: Effective date: 14 November 2024

Vijay Rangarajan

Vijayaraghavan Rangarajan
Certifier

SGS operates certification programs under the authority of several accreditation or recognition bodies including A2LA, ANAB, OSHA NRTL, and Standards Council of Canada. This certificate is issued by the company under its General Conditions for Certification Services accessible at https://www.sgs.com/en/terms-and-conditions. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this Certificate. 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.

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 Test Report Summary

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

ExTR Ref. No.: **US/SNA/ExTR24.0007/00**

ExTR Free Ref. No.: **SUW-5099343-ExTR-001**

Status:**Issued**

List of Standards Covered: **IEC 60079-0:2017 Edition:7.0 , IEC 60079-11:2011 Edition:6.0 , IEC 60079-28:2015 Edition:2**

Date of issue:**2024-11-12**

Issuing ExTL: **SNA - SGS North America Inc.**

Endorsing ExCB: **SNA - SGS North America Inc.**

Manufacturer: **Koehler-Bright Star LLC**
380 Stewart Road
Hanover Township, PA 18706

Location of Manufacturer: **United States of America**

Ex Protection: **Ex ia op is**

Ratings: **Ex ia op is IIB T4 Ga**
Um: 12V
7.4V||9.6Ah||71.01Wh (6 Cell)
7.4V||6.4Ah||47.36Wh (4 Cell)
-20°C < TAMBIENT < 40°C

Equipment: **LED Rechargeable Lantern**

Model Reference: **RSXXXX**
Lighthawk Raptor
(XXXX Stands for Battery Configuration, Color, Charger Type, Strap Type.)

Related IECEx Certificates:

IECEx SNA 24.0006X Issue 0

Comments:

SGSNA24ATEX111101X

(1)

EU-TYPE EXAMINATION CERTIFICATE

(2) **Directive 2014/34/EU of the European Parliament and of the council of 26 February 2014 Equipment intended for Explosive Atmosphere -ATEX Directive**

(3) **ProCert No** :SUW-CERT

(4) **Certificate Number** :SGSNA24ATEX111101X

Issue No :0

(5) **Equipment** :RSXXXX Raptor Lighthawk

(6) **Manufacturer** :Koehler-Bright star LLC

(7) **Address** : 380 Stewart Road, Hanover Township, PA-18706, USA

(8) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(9) SGS Canada Inc., Notified Body Number 3015 in accordance with Article 17 and Article 21 of the 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, using EU Type Examination Certificate module as detailed under Annex III of this Directive.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with the following Harmonized Standards **:** EN 60079-0:2018, EN 60079-11:2012, EN 60079-28:2015

Where additional criteria beyond those given here have been used, they are listed at item 16 in the Schedule.

(11) The marking of the product shall include the following

Ex II 1G Ex ia Op is IIB T4 Ga; Um:12V, 7.4V, 9.6Ah,71.01Wh (6 Cell); 7.4V, 6.4Ah, 47.36Wh (4 Cell)

(12) **Product Description** : Rechargeable LED Lantern Raptor Lighthawk

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QSF27-15-COC_1
Certification Body

SGS Canada Inc.
6755 Mississauga Road, Suite 204,Missisauga ON L5N 7Y2
uscts.certifications@sgs.com

(13) If the sign "**X**" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 15 of this certificate. {paragraph cannot be used for components}.
If the sign "**U**" placed behind the certificate number, it indicates that this certificate should not be confused with certificates issued for equipment of protective systems. This partial certification may not be used as basis for certification of an equipment or protective systems. "Schedule Of Limitations" is listed under item 15 of this certificate.

(14) This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(15) **Special conditions of safe use for "X"**:
1) The equipment enclosure includes attached external conductive parts. The measured capacitance on the charging terminal is 21pF. The end user shall determine suitability in the specific application.
2) Product shall be charged with Lighthawk Raptor Charger Item #07690 and must be charged only in unclassified areas.

(16) Essential health and safety requirements met by compliance with the requirements mentioned in item 10 and where required, the report listed in item 3.

(17) This Notification may be withdrawn if the manufacturer does not satisfy the requirements of the Directive or fails to maintain a quality system that can demonstrate compliance to Annex IV (or) Annex VII (or) Annex V of EU Directive 2014/34/EU.

Authorized by: Effective date: Nov 12, 2024

Vijay Rangarajan

Vijay Rangarajan
(Certifier)

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(18) **Routine (Factory) Tests**: N/A

(19)	**Critical Drawings and Documentation-Tabulated based on Issue Number**

Issue 0				
S. No	**Drawing No.**	**Description**	**Rev.**	**Date**
1	3B-2416	Rear Flasher PCB, Lighthawk Raptor	--	09/12/23
2	3B-2418	Control Board, Lighthawk Raptor	--	09/08/23
3	3B-2421	Low Battery PCB, Lighthawk Raptor	--	09/12/23
4	3B-2427	Switch PCB, Lighthawk Raptor	--	09/12/23
5	3B-2451	LED PCB, Lighthawk Raptor	--	09/12/23
6	9B-196X-4	Battery Pack Lighthawk	--	10/07/22
7	10B-2412	Lighthawk Raptor Spot	--	06/08/23

(20)	**Certification History**
Iss. No	**Purpose**
0	Initial Release

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