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 TRC 13.0013X**

Page 1 of 4

Certificate history:

Issue 5 (2019-11-19)
Issue 4 (2018-06-29)
Issue 3 (2017-10-10)
Issue 2 (2016-12-23)
Issue 1 (2015-12-18)
Issue 0 (2013-10-11)

Status: **Current**

Issue No: 6

Date of Issue: 2022-06-16

Applicant: **Pelican Products Inc**
23215 Early Avenue
Torrance
California 90505
United States of America

Equipment: **LED Headlight, Low power model 2745 and High power model 2755 and Model 2765**

Optional accessory:

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

Marking: Ex ia op is IIC T4 Ga

Approved for issue on behalf of the IECEx Certification Body: **Stephen Winsor**

Position: **Certification Manager**

Signature:
(for printed version)

Date:
(for printed version)

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:

Element Materials Technology
Unit 1 Pendle Place
Skelmersdale
West Lancashire

IECEx Certificate of Conformity

Certificate No.: **IECEx TRC 13.0013X** Page 2 of 4

Date of issue: 2022-06-16 Issue No: 6

Manufacturer: **Pelican Products Inc**
23215 Early Avenue
Torrance
California 90505
United States of America

Manufacturing locations: **Pelican Products Inc**
23215 Early Avenue
Torrance
California 90505
United States of America

Critical Supplier Ref: 3044972 – refer QAR GB/FME/QAR08.0002

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/TRC/ExTR13.0013/00 GB/TRC/ExTR13.0013/01 GB/TRC/ExTR13.0013/02
GB/TRC/ExTR13.0013/03 GB/TRC/ExTR13.0013/04 GB/TRC/ExTR13.0013/05
GB/TRC/ExTR13.0013/06

Quality Assessment Report:

GB/FME/QAR08.0002/13

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The equipment is a portable LED head torch powered by three series connected AAA size batteries, the enclosure and lens are constructed from polycarbonate and thermoplastic elastomer compound materials. There are three models, the 2745, a low power version consisting of three white LEDs, the 2755, a high power version with one white LED and the 2765, with one high brightness white LED and two white LEDs.The 2755 and 2765 have coloured LED battery status indicators.Only the following battery models are permitted to be used with this product: Panasonic LR03 (Xtreme Power)' or 'Energizer E92' or 'Sanyo LR03' or 'Varta High Energy 4903 LR03' alkaline batteries. The equipment is designed for use in Zone 0 explosive atmospheres based on intrinsic safety protection concept with an ingress protection rating of IP54.

SPECIFIC CONDITIONS OF USE: YES as shown below:
1. The batteries shall not be removed or replaced in hazardous area.

2. The battery compartment shall not be opened in hazardous area.

3. Only Panasonic LR03 (Xtreme Power), Energizer E92, Sanyo LR03, Varta High Energy 4903 LR03 battery cells are permitted to be used in the equipment. All of the cells must be of the same manufacturer.

4. All batteries used in the equipment shall be of the same manufacturer.

5. Do not replace battery cells when an explosive atmosphere is present. Battery cells must be replaced with the correct polarity.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Change in enclosure vent plug material.

Annex:

Annex to IECEx TRC13.0013X Iss 6.pdf