



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 11.0010X	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2012-03-13)
Status:	Current	Issue No: 1	
Date of Issue:	2024-09-26		
Applicant:	Pelican Products Inc 23215 Early Avenue Torrance California 90505 United States of America		
Equipment:	Flashlight / Head Torch 2690		
Optional accessory:			
Type of Protection:	'ia' Intrinsic safety. 'op is' Inherently safe optical radiation		
Marking:	Ex ia op is I Ma Ex ia op is IIC T4 Ga Ex ia op is IIIC T ₂₀₀ 120 °C Da		

Approved for issue on behalf of the IECEx
Certification Body:

S P 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





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Date of issue: 2024-09-26

Issue No: 1

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

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/TRC/ExTR11.0011/01](#)

Quality Assessment Report:

[GB/FME/QAR08.0002/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The flashlight, model 2690 is a portable alkaline battery powered headtorch. The unit comprises a PCB with various components and one LED, a reflector and a battery compartment all contained within a main enclosure constructed of plastic with a clear plastic lens.

The flashlight must only be powered by three Duracell MN2400 LR03, or Energizer E92 LR03, or Panasonic PN LR03 (Xtreme Power) AAA size" alkaline batteries.

The unit has an environmental ingress protection rating of IP65.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Use only Duracell MN2400 LR03, Energizer E92 LR03, or Panasonic PN LR03 (Xtreme Power) AAA size alkaline batteries.
2. To reduce the risk of explosion, do not mix old batteries with new batteries, or mix batteries from different manufacturers.
3. To reduce risk of explosion, batteries must only be changed in an area known to be non-hazardous.
4. Energizer E92 batteries may only be used between -18 °C to +40 °C.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update of standards, addition of 'op is' concept and modifications to equipment circuitry. Headstraps added and change to various materials.

Annex:

[Annex to CoC IECEx TRC 11.0010X iss 1.pdf](#)



Element Materials Technology,
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United Kingdom

Annex to IECEx Certificate of Conformity

IECEx TRC 11.0010X issue No.: 1

“Special conditions for manufacture”
1. The manufacturer shall inspect/verify the encapsulation around fuse (F1) does not contain voids/air bubbles and is at least 1 mm thick in all dimensions around the fuse.

Routine Tests
1. None

Manufacturer's Documents			
Title:	Drawing No.:	Rev. Level:	Date:
LED Driver Assembly, 2690 (3 sheets)	2690-030-021	F	2023-06-22
PCB, 2690 Driver	2690-030-006	E	2023-06-28
Pelican 2690 Assembly (2 sheets)	2690-030-CLR	K	2024-07-03
Shroud + Lens Assembly, 2690	2690-030-037	A	2023-06-30
Foam pad, 2690	2690-030-035	C	2023-07-05
Battery Contact Spring, 2690	2690-030-030	C	2023-07-05
LED Module Assembly, 2690	2690-030-026	D	2023-07-27
Head Strap Rubber, 2690	2690-030-020	B	2023-06-27
Pelican Head Strap Cloth, 2690	2690-030-019	B	2023-06-27
O-Ring, Battery Cover, 2690	2690-030-018	B	2023-07-27
O-Ring, Shroud 2690	2690-030-017	C	2023-06-28
Brass Press-in Insert M3 x 0.5 Internal Thread	2690-030-016	C	2023-06-28
Battery Contact Dual, 2690	2690-030-013	C	2023-07-05
Battery Contact Spring, 2690	2690-030-012	C	2023-07-05
Battery Contact Dual, 2690	2690-030-011	C	2023-07-05
Contact Spring, LED Driver, 2690	2690-030-010	D	2023-07-05
Contact Spring, LED Module, 2690	2690-030-009	E	2023-07-05
Reflector 17mm, 2690	2690-030-008	D	2023-07-27
Battery Tray, 2690	2690-030-005	C	2023-06-28
Shroud Overmold Lens, 2690 (2 sheets)	2690-030-004	B	2024-07-03
Bracket, 2690 (2 sheets)	2690-030-003	D	2024-07-03
Cover, Battery 2690 (2 sheets)	2690-030-002	B	2023-06-27
Housing, 2690 (2 sheets)	2690-030-001	B	2023-06-27
PCB + LED Assembly, 2690	2693-340-000	F	2023-10-31
Pelican 2690 IECEx Approval Insert	2690-002-02	A	2024-03-11
2690 LED Instructions	2693-319-003	B	2024
2690 PCB CREE XP LED	2693-340-002	B	2023-07-05



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.