

1 EC TYPE EXAMINATION CERTIFICATE

2 Equipment or protective system intended for use in potentially explosive atmospheres –
Directive 94/9/EC – Annex III

3 EC Type Examination Certificate No.: **TRL08ATEX11184X (incorporating variations V1 to V3)**

4 Equipment: **Flashlight / Head Torch, Model 2690**

5 Manufacturer: **Pelican Products Inc.**

6 Address: **23215 Early Avenue, Torrance, CA 90505, United States of America**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 TRaC Global Ltd, Notified Body number 0891 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential report **XU1672/8972, TES-002696-33-00A, TRA-007514-33-00A and TRA-007967-33-00A.**

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in section 18 of the schedule to this certificate, has been assured by compliance with:

EN 60079-0:2009

EN 60079-11:2007

EN 60079-26:2007

EN 61241-0: 2006

EN 61241-11:2006

EN 50303:2000

10 If the sign "X" is placed after the certificate number then this indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

11 This EC-Type Examination certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of this equipment or protective system shall include the following:

Ex I M1 Ex ia I Ma

II 1G Ex ia IIC T4 Ga

II 1D Ex ia IIC IP65 Da T65°C

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the TRaC Ex Certification Scheme.

S.P. Winsor

S P Winsor, Certification Officer

Issue date: 2012-03-09

Copy No.: 1e

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13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRL08ATEX11184X (incorporating variations V1 to V3)**

15 **General description of equipment or protective system included within the scope of this certificate**

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 Philips, PN LR03 (powerlife), Panasonic, PN LR03 (Xtreme Power), Duracell, PN MN2400, or Energizer, PN E92 "AAA size" alkaline batteries.

The unit has an environmental ingress protection rating of IP65.

A list of controlled Manufacturer's Documents is given in Appendix A to this schedule.

16 **Test report No.:** XU1672/8972, TES-002696-33-00A, TRA-007514-33-00A and TRA-007967-33-00A.

17 **"Special Conditions of Safe Use" for Ex Equipment, if any:**

1. This equipment may only be used with three cells of the following:-
 - a. Philips, PN LR03 (powerlife) or
 - b. Panasonic, PN LR03 (Xtreme Power)
 - c. Duracell, PN MN2400
 - d. Energizer, PN E92
2. Old batteries and new batteries shall not be mixed.
3. Battery compartment must only be opened in an area known to be non-hazardous and batteries may only be changed in a non-hazardous area.
4. The battery compartment must be secured by both screws.

18 **Essential health and safety requirements**

Covered by application of the standards listed in section 9 of this certificate and the assessment conducted in the test report listed in section 16 of this certificate.

19 **Additional information**

"Routine tests", if any:

None.

"Special conditions for manufacture", if any:

1. Manufacturer shall ship instructions that meet the requirements of directive 94/9/EC Annex II, cl. 1.0.6 and clause 30 of EN60079-0 and clause 29.Z1 of EN61241-0 with the equipment. Manufacturer shall make translations of the instructions into other European communities when requested.
2. The manufacturer shall inspect/verify the encapsulation around fuse (F1) does not contain voids/air bubbles and is at least 1mm thick in all dimensions around the fuse.

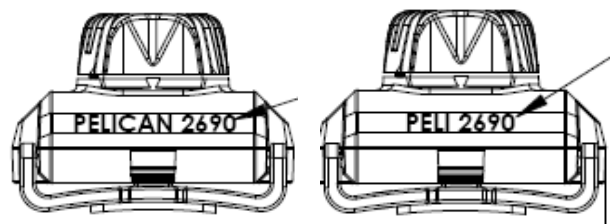
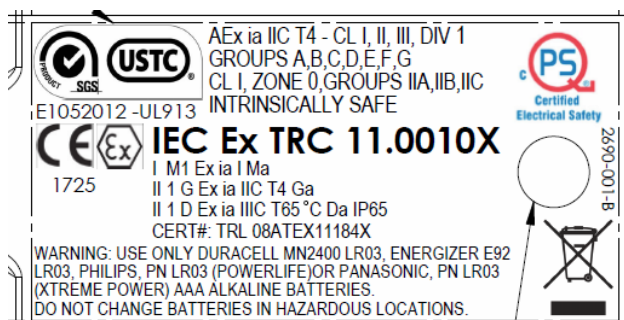
Other information, if any:

None.

Photographs



Details of markings



Details of variations to this certificate

This certificate is a consolidated certificate and reflects the latest status of the certification, including the following variations:

- Variation V1 – Update of drawings and marking plate.
- Variation V2 - Update of drawings.
- Variation V3 – Addition of mining classification and update of drawings.

Notes to CE marking

In respect of CE Marking, TRaC Global Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

Notes to this certificate

TRaC certification reference: **TRA-007967-32-00**.

Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

This certificate is a consolidated certificate and reflects the latest status of the certification, including all variations.

CONTINUATION OF SCHEDULE TO CERTIFICATE TRL08ATEX11184X V3

APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
LED Driver Assembly, 2690	2690-030-021	A	2011-10-17
PCB, 2690 Driver	2690-030-006	C	2008-11-24
PCB, CREE LED 2690	2693-340-001	A	2008-10-27
2690 Headsup Lite Assembly, Pelican	2690-030-CLR	D	2010-01-13
Shroud + Lens Assembly	2690-030-037	PR	2008-09-29
O-ring .0711Dx.04W	2690-030-036	PR	2008-07-03
Battery Contact Spring, 2690	2690-030-030	PR	2008-07-03
LED Module Assembly, 2690	2690-030-026	B	2010-01-13
O-Ring, Battery Cover, 2690	2690-030-018	PR	2008-07-03
O-Ring, Shroud 2690	2690-030-017	PR	2008-07-03
Brass Press-in Insert M3 x 0.5 Internal Thread	2690-030-016	A	2009-10-01
Battery Contact Dual, 2690	2690-030-013	PR	2008-07-03
Battery Contact Spring, 2690	2690-030-012	PR	2008-07-03
Battery Contact Dual, 2690	2690-030-011	PR	2008-07-03
Contact Spring, LED Driver, 2690	2690-030-010	A	2008-12-01
Contact Spring, LED Module, 2690	2690-030-009	B	2010-01-13
Reflector 17mm, 2690	2690-030-008	A	2008-12-01
Battery Tray, 2690	2690-030-005	A	2008-12-01
Shroud Overmold Lens, 2690	2690-030-004	PR	2008-09-29
Bracket, 2690	2690-030-003	A	2008-08-25
Cover, Battery 2690	2690-030-002	A	2009-03-25
Housing, 2690	2690-030-001	A	2009-10-01
PCB + LED Assembly, 2690	2693-340-000	B	2011-01-12
2690 Headsup Lite Assembly Peli	2690-030-CLRE	D	2009-12-23
2690 Approval Insert	2690-001	B	2011-12-22
Instructions	2693-319-500	*	2012
2690 PCB CREE XP LED	2693-340-002	A	2011-01-12

* information not provided