



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 V4)**

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, TRA-007967-33-00A and TRA-023773-33-00A**

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 60079-0:2012 EN 60079-11:2012 EN 60079-26:2007 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:

I M1 Ex ia I Ma

II 1G Ex ia IIC T4 Ga

II 1D Ex ia IIIC T65°C Da

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.

A Dearden, Senior Certification Engineer

Issue date: 2015-05-15

Copy No.: 1e

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13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRL08ATEX11184X (incorporating variations V1 to V4)**

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 head torch. 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 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 Nos.:** 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. Panasonic, PN LR03 (Xtreme Power)
 - b. Duracell, PN MN2400
 - c. 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. 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.

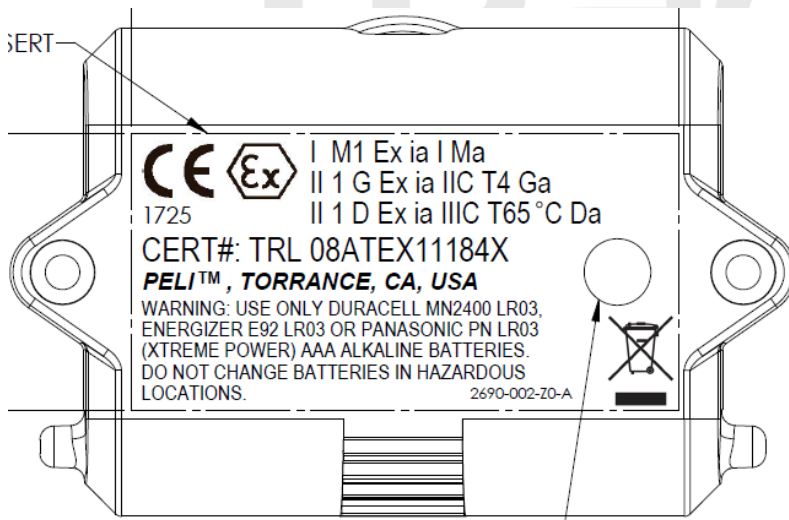
Other information, if any:

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.
- Variation V4 – Update to the latest standards: EN60079-0:2012; EN60079-11:2012; EN60079-26:2007. Additional change to the housing, head strap and foam pad materials and removal of Philips cell.

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-023773-32-00.

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 V4

APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS

| Title: | Drawing No.: | Rev. Level: | Date: |
|--|------------------|-------------|------------|
| LED Driver Assembly, 2690 (3 pages) | 2690-030-021 | D | 2015-02-05 |
| PCB, 2690 Driver | 2690-030-006 | D | 2015-02-12 |
| PCB, CREE LED 2690 (2 pages) | 2693-340-001 | C | 2015-03-20 |
| 2690 Headsup Lite Assembly Peli | 2690-030-CLRE-Z0 | A | 2015-04-06 |
| Shroud + Lens Assembly | 2690-030-037E | A | 2015-04-06 |
| Battery Contact Spring, 2690 | 2690-030-030 | A | 2014-09-22 |
| LED Module Assembly, 2690 | 2690-030-026 | C | 2015-03-20 |
| O-Ring, Battery Cover, 2690 | 2690-030-018 | A | 2015-03-20 |
| O-Ring, Shroud 2690 | 2690-030-017 | B | 2015-03-20 |
| Brass Press-in Insert M3 x 0.5 Internal Thread | 2690-030-016 | B | 2014-09-22 |
| Battery Contact Dual, 2690 | 2690-030-013 | A | 2014-09-22 |
| Battery Contact Spring, 2690 | 2690-030-012 | A | 2014-09-22 |
| Battery Contact Dual, 2690 | 2690-030-011 | A | 2014-09-22 |
| Contact Spring, LED Driver, 2690 | 2690-030-010 | B | 2014-09-22 |
| Contact Spring, LED Module, 2690 | 2690-030-009 | C | 2014-09-22 |
| Reflector 17mm, 2690 | 2690-030-008 | B | 2014-09-22 |
| Battery Tray, 2690 | 2690-030-005 | B | 2014-09-22 |
| Bracket, 2690 | 2690-030-003E | A | 2015-04-06 |
| Cover, battery 2690 | 2690-030-002E | A | 2015-04-06 |
| Housing, 2690 (2 pages) | 2690-030-001E | A | 2015-04-06 |
| PCB + LED Assembly, 2690 | 2693-340-000 | E | 2015-03-20 |
| Shroud Overmold Lens, 2690 | 2690-030-004E | A | 2015-04-06 |
| HeadsUp Lite 2690 Zone 0 – Instructions | 2693-319-504 | A | 2015-03-01 |
| Peli 2690 approval insert | 2690-002-Z0 | A | 2015-01-29 |
| Peli head strap cloth, 2690 | 2690-030-039E | A | 2014-04-21 |
| Head strap rubber, 2690 | 2690-030-020E | A | 2015-04-21 |
| Foam pad, 2690 | 2690-030-035 | B | 2014-04-06 |
| 2690 PCB CREE XP LED | 2693-340-002 | A | 2011-12-01 |