



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**

4 Equipment: **Flashlight, Model 2690**

5 Client Name and Address: **Pelican Products Inc.
23215 Early Avenue
Torrance, CA 90505
USA**

6 Manufacturing Location: **Pelican Products Inc.
23215 Early Avenue
Torrance, CA 90505
USA**

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

8 TRL Compliance 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**.

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 60079-0:2006, EN 60079-11:2007, EN61241-0: 2006, EN61241-11:2006

10 If the sign "X" is placed after the certificate number, it 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 II 1 G/D Ex ia IIC T4 Tamb = -20°C to +40°C
Ex iaD 20 IP65 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 TRL ATEX Certification Scheme.

S K Barrowcliff, Director, Safety Division

Issue date: 2009-01-08

Copy No.: 1e

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Distribution:

Pelican Products Inc. and TRL Compliance Ltd
Form RF355 is12

13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRL08ATEX11184X**

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.

Scheduled drawings and documents

Document	Revision	Pages	Date	Description
2690-030-021	PR	2	2008-12-01	LED Driver Assembly, 2690
2690-030-006	C	1	2008-11-24	PCB, 2690 Driver
2693-340-001	A	1	2008-10-27	PCB, CREE LED 2690
2690-030-CLR	PR	2	2008-12-11	2690 Headsup Lite Assembly, Pelican
2690-030-037	PR	1	2008-09-29	Shroud + Lens Assembly
2690-030-036	PR	1	2008-07-03	Oring .0711Dx.04W
2690-030-030	PR	1	2008-07-03	Battery Contact Spring, 2690
2690-030-026	A	1	2008-08-25	LED Module Assembly, 2690
2690-030-018	PR	1	2008-07-03	O-Ring, Battery Cover, 2690
2690-030-017	PR	1	2008-07-03	O-Ring, Shroud 2690
2690-030-013	PR	1	2008-07-03	Battery Contact Dual, 2690
2690-030-012	PR	1	2008-07-03	Battery Contact Spring, 2690
2690-030-011	PR	1	2008-07-03	Battery Contact Dual, 2690
2690-030-010	A	1	2008-12-01	Contact Spring, LED Driver, 2690
2690-030-009	A	1	2008-12-01	Contact Spring, LED Module, 2690
2690-030-008	A	1	2008-12-01	Reflector 17mm, 2690
2690-030-005	A	2	2008-12-01	Battery Tray, 2690
2690-030-004	PR	2	2008-09-29	Shroud Overmold Lens, 2690
2690-030-003	A	2	2008-08-25	Bracket, 2690
2690-030-002	PR	2	2008-09-29	Cover, Battery 2690
2690-030-001	PR	2	2008-12-01	Housing, 2690
2693-340-000	PR	1	2008-08-14	PCB + LED Assembly, 2690
2690-030-CLRE	PR	1	2008-12-11	2690 Headsup Lite Assembly Peli
2690-001	PR	1	2008-11-26	2690 Approval Insert
2693-319-502-PR	*	*	2008-12	Manual

* Denotes there was no information on the drawing/document.

CONTINUATION OF SCHEDULE TO CERTIFICATE TRL08ATEX11184X

16 **Test report No.:** XU1672/8972.

17 **Special conditions for safe use**

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 (including special conditions for manufacture)**

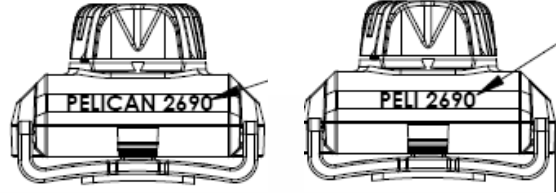
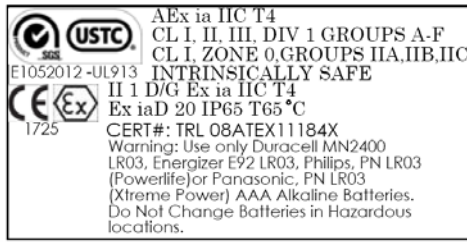
1. Manufacturer shall ship instructions that meet the requirements of directive 94/9/EC Annex II, cl. 1.0.6 and clause 30 of EN60079-0 and clause 29.Z1 of EN61241-0 with the equipment. Manufacturer shall make translations of the instructions into other European communities when requested.
2. The manufacturer 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.

Photograph



CONTINUATION OF SCHEDULE TO CERTIFICATE TRL08ATEX11184X

Details of markings



Details of variations to this certificate

None

Notes to CE marking

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

Notes to this certificate

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