



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 **TRAC13ATEX0035X**
Certificate No.:

4 Equipment: **LED Headlight, 2745 – Low power model, 2755 – High power model**

5 Manufacturer: **Pelican Products Inc.,**

6 Address: **23215 Early Avenue, Torrance, California 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 **TRA-013968-33-00A**.

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 60079-11:2012

EN 60079-26:2007

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:

II 1 G Ex ia IIC T4 Ga

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: 2013-10-11

Copy No.: 1e

Page 1 of 4

Form RF355 is16A

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13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRAC13ATEX0035X**

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

The equipment is a portable LED head torch powered by three series connected non-rechargeable AAA size batteries, the enclosure and lens are constructed from polycarbonate and thermoplastic elastomer compound materials.

There are two models, the 2745 a low power version consisting of three white LEDs and the 2755 a high brightness power version with one high power white LED and one low power red LED. The red LED is used for low battery status indication.

Only the following battery models are permitted to be used with this product:

'Philips Powerlife LR03' or 'Panasonic LR03 (Xtreme Power)' or 'Duracell MN2400' or 'Energizer E92 or Sanyo LR03 or Varta High Energy 4903 LR03 AAA size 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.

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

16 **Test report No.:** **TRA-013968-33-00A.**

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

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 the following battery models are permitted to be used in conjunction with this product.
'Philips Powerlife LR03' or 'Panasonic LR03 (Xtreme Power)' or 'Duracell MN2400' or 'Energizer E92 or Sanyo LR03 or Varta High Energy 4903 LR03 AAA size alkaline batteries'.
4. All batteries used in the equipment shall be of the same manufacturer.

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. It shall be ensured that the conformal coating is applied and coats the entire PCB surface including all conducting parts of components, except the LED, switch, and Battery "+" and "-" contact area.
2. The strap used in conjunction with the head torch shall not be capable of presenting an electrostatic charge/discharge hazard.

Other information, if any:

None.

Photographs

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC13ATEX0035X

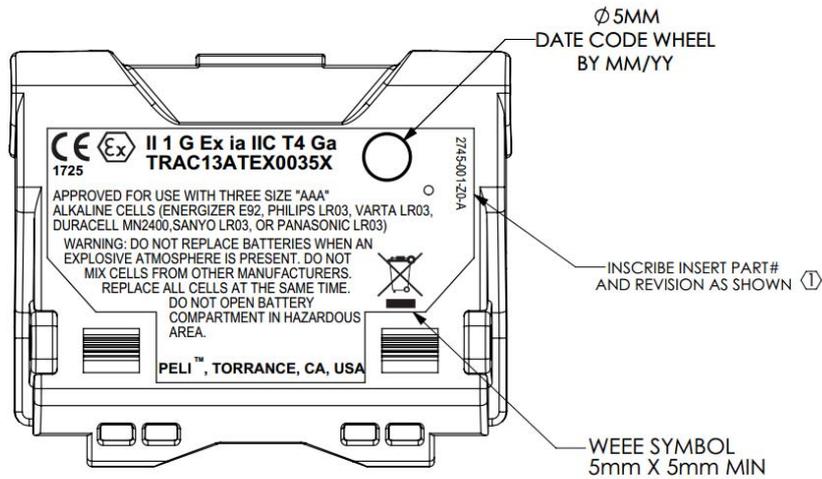


Pelican Head-torch 2745



Pelican Head-torch 2755

Details of markings



Details of variations to this certificate

- None.

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-013968-32-00**.

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

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC13ATEX0035X

APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
Model 2745			
BATTERY HOUSING, 2740/50/60	027400-0100-002-01	A	2013-08-22
PCBA, 2745 (SHEET 1 OF 2)	027450-0100-002-02	A	2013-09-14
SCHEMATIC AND BOM, 2745 (SHEET 2 OF 2)	027450-0100-002-02	A	2013-09-14
HEADLIGHT, 2745 (2 SHEETS)	002745-6000-CLR	A	2013-08-03
HEADLIGHT, 2745 (2 SHEETS)	002745-6000-CLRE-Z0	A	2013-08-22
2745 INSTRUCTION MANUAL	002745-0318-500	A	2013-10
Model 2745 and 2755 (COMMON DOCUMENTS)			
BATTERY COVER, 2740/50/60	027400-0100-001	B	2013-08-22
FRONT COVER O/M, 2740/50/60	027400-0100-003	B	2013-08-22
INNER COVER, 2740	027400-0100-004	B	2013-08-22
VENT PLUG, 2740/50/60	027400-0100-006	A	2013-08-22
MOLDED APPROVAL INSERT, 2745/2755 ZONE 0	2745-001-Z0	A	2013-08-02
MOLDED APPROVAL INSERT, 2745/2755 IECEX	2745-001	A	2013-08-22
Model 2755			
HEAT SINK, 2750	027500-0100-002-07	A	2013-08-22
PCBA, 2755 (SHEET 1 OF 2)	027550-0100-002-02	A	2013-09-14
SCHEMATIC AND BOM (SHEET 2 OF 2)	027550-0100-002-02	A	2013-09-14
HEADLIGHT, 2755 (2 SHEETS)	002755-6000-CLR	A	2013-08-03
HEADLIGHT, 2755 (2 SHEETS)	002755-6000-CLRE-Z0	A	2013-08-22
2755 INSTRUCTION MANUAL	002755-0318-500	A	2013-10