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.: **TRAC10ATEX11241X (incorporating variations V1 and V2)**

4 Equipment: **LED Torch Peli MityLite or Pelican MityLite 1965**

5 Manufacturer: **Pelican Products Inc.**

6 Address: **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 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-023992-33-00A.**

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:

EN60079-0:2012 **EN60079-11:2012** **EN60079-26:2007**

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

II 1 D Ex ia IIIC T90°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.

S P Winsor, Certification Team Leader

Issue date: 2015-03-09

Copy No.: 1e

Form RF355 is16A

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13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRAC10ATEX11241X (incorporating variation V2)**

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

The flashlight, model 1965 is a portable alkaline battery powered torch. The unit comprises a main PCB with various components and a PCB with an LED, along with a reflector, and a battery compartment all contained within an enclosure constructed of plastic with a clear plastic lens. The torch is powered by two "AAA" alkaline batteries connected in series. As a part of this evaluation, the following cells were assessed and approved for use:

- Panasonic, PN LR03 (Xtreme Power)
- Duracell, PN MN2400
- Energizer, PN E92

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

16 **Test report No.:** **TRA-023992-33-00A**.

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

1. Use only Duracell MN2400 LR03, Energizer E92 LR03 or Panasonic PN LR03 (extreme power) AAA alkaline batteries.
2. To reduce risks of explosion do not mix old with new batteries, or mix batteries from different manufacturers.
3. Do not change batteries in hazardous locations.

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.

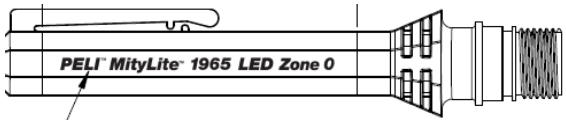
"Special conditions for manufacture", if any:

1. Polycarbonate for Battery Compartment Insulator must be at least 0.5mm thick and cover the entire length of the cells.
2. The high temperature epoxy used to encapsulate fuse (F1) and the inside of the lamp module must completely fill module except for the top surface of the LED board.

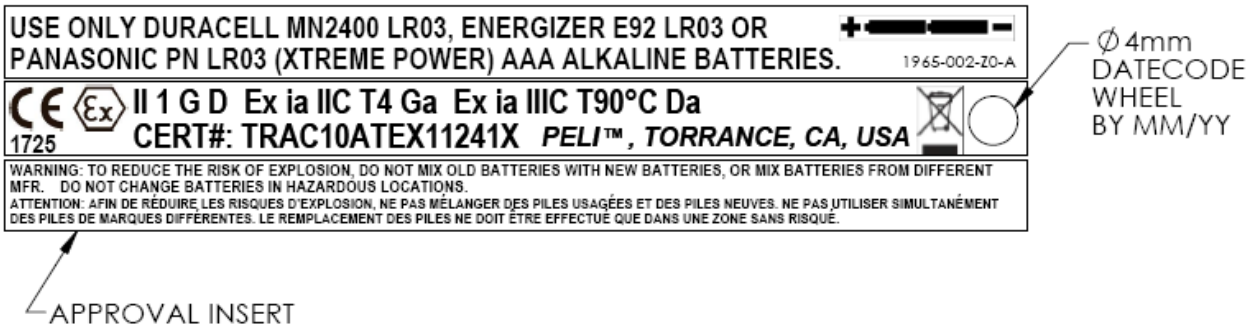
Other information, if any:

None.

Photographs (available in grey, yellow and black)



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.
- Variation V2 – Update to new standards, change in enclosure materials and removal of battery type.

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-023992-32-00**.

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.

APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
O'Ring 1900	1903-321-000	C	2009-11-10
Screw, M3 x 0.5 Thread x 7mm L PH, 18-8 SS	1903-340-100	PR	2009-11-10
Spring Pad, LED Module	1963-358-009	PR	2009-12-03
Brass Insert with PH screw Assembly, 1965	1906-340-100	A	2010-07-22
1965 Peli Approved Light	1965-000-CLRE	A	2014-09-29
Peli 1965 Approval Insert	1965-002-Z0	A	2015-01-29
1965 Body	1965-920-000	PR	2010-05-13
Lens, 1965	1963-920-100	A	2009-12-03
Peli 1965 Approve Body	1961-949-CLRE-Z0	A	2014-09-29
1965 Shroud Overmold Lens	1965-947-CLR	A	2014-09-29
LED Module, 1964Z0	1963-358-000	C	2014-01-10
Reflector	1963-358-001	PR	2009-12-03
LED Driver PCB	1963-358-004	PR	2009-12-03
Housing, LED Driver	1963-358-005	PR	2009-12-03
Isolator, Contact, LED Module	1963-358-006	PR	2009-12-03
Rivit, Positive Contact	1963-358-007	PR	2009-12-03
Spring, LED Module	1963-358-008	A	2010-04-09
MCPCB, W9 Seoul LED	1963-358-010	PR	2009-12-03
LED, Seoul Semi, .5W, P9	1963-358-011	PR	2009-12-03
LED Driver Assembly	1963-358-012	B	2010-06-18
Negative Contact Spring	1963-358-014	PR	2009-12-03
Positive Wire Lead	1963-358-015	PR	2009-12-03
M3 Press Fit, Knurled Expansion Insert	2463-341-000	B	2010-09-01
195 Insulator Tube, Battery	1963-344-000	PR	2010-03-19
1965 Contact Retainer	1963-331-000	PR	2009-12-03
28 AWG 7x26 Stranded Wire UL1685	1963-358-016	PR	2010-01-25
MityLite 1965 LED Zone 0 By Peli (User Manual and Declaration of conformity)	1965-318-501	A	2015-02