

1 EU - TYPE EXAMINATION CERTIFICATE

2 Product or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU – Annex III

3 EU - Type Examination Certificate No.: **TRAC10ATEX11241X (incorporating variations V1 to V3)**

4 Product: **LED Torch, Peli MityLite or Pelican MityLite 1965 LED Zone 0**

5 Manufacturer: **Pelican Products Inc.**

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

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

8 Element Materials Technology, Notified Body number 0891, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 & TRA-035699-33-01A.**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


EN 60079-0:2012/A11:2013 EN 60079-11:2012 EN 60079-28:2015

Except in respect of those requirements listed at section 18 of the schedule.

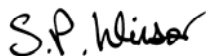
10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall include the following:

 **II 1 G Ex ia op is 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 Element Materials Technology Ex Certification Scheme.



S P Winsor, Certification Manager

Issue date: 2018-04-06

Page 1 of 5

CSF355 5.0

13 SCHEDULE TO EU - TYPE EXAMINATION CERTIFICATE

14 TRAC10ATEX11241X (incorporating variations V1 to V3)

15 Description of Product

The handheld LED torch, model 1965Z0 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 part of this evaluation, the following cells were assessed and approved for use:

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

16 Test report No. (associated with this certificate issue): TRA-035699-33-01A.

17 Specific Conditions of Use

1. Use only Duracell MN2400 LR03, Energizer E92 LR03 or Panasonic PN LR03 (Xtreme 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.



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.

18 Essential Health and Safety Requirements (Directive Annex II)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

19 Drawings and Documents

The list of controlled technical documentation is given in Appendix A to this schedule.

20 Routine Tests

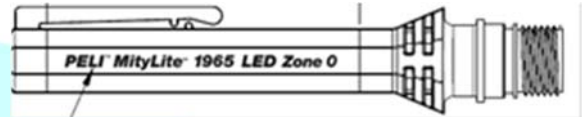
None.

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC10ATEX11241X V3

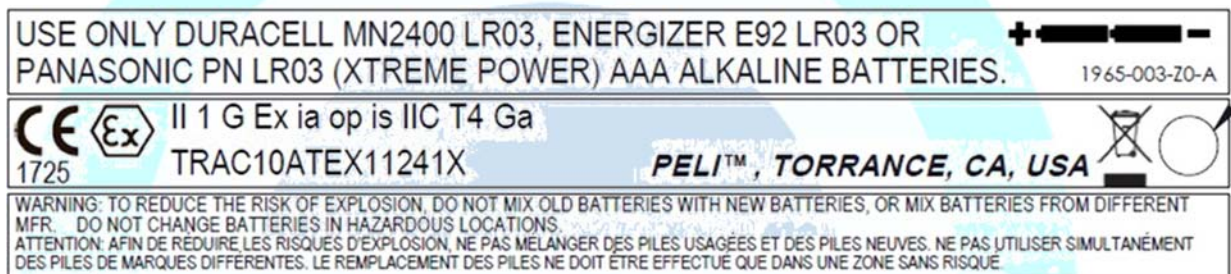
21 Specific Conditions for Manufacture

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.

22 Photographs



23 Details of Markings



24 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.
- Variation V3 - New LED driver circuit, LED components and "op is" added to marking code, EN 60079-26 removed from standards applied and Group III / explosive dust atmosphere approval removed.

25 Notes to CE marking

In respect of CE Marking, Element Materials Technology accepts no responsibility for the compliance of the product against all applicable Directives in all applications.

26 Notes to this certificate

Element Materials Technology certification reference: TRA-035699-32-01.

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

Notified Body 0891 is the designation for Element Materials Technology Warwick Ltd (formerly known as TRaC Global Ltd).

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC10ATEX11241X V3

In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variation certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

27 Conditions for the validity of this certificate

This certificate remains valid for so long as:

- (i) The equipment listed in section 4 is manufactured in accordance with the documents listed in Appendix A of this certificate.
- (ii) The standards listed in section 9 of this certificate continue to satisfy the Essential Health and Safety Requirements of Annex II of Directive 2014/34/EU and the generally acknowledged state of the art (e.g. as determined by the publishers of those standards).

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC10ATEX11241X V3

APPENDIX A - TECHNICAL DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
*O-ring 1900	1903-321-000	D	2014-10-16
1965 Shroud overmold lens	1965-947-CLR	A	2017-09-29
1965 Contact retainer	1963-331-000	PR	2009-12-03
195 Insulator Tube, Battery	1963-344-000	PR	2010-03-19
Lens, 1960	1963-920-100	A	2009-12-03
*1965Z0 Peli Light Assembly	1965-011-CLRE-Z0	A	2017-11-25
*1965Z0 Peli body	1965-949-CLRE-Z0	A	2017-11-25
*Peli 1965 approval insert	1965-003-Z0	A	2017-11-25
*1965Z0 G3.5 LED Module	1965-358-001E	A	2017-11-25
*Reflector, 1965	1965-358-001-01	A	2017-04-25
*LED+MCPCB Assembly	1965-358-001-02	A	2017-04-25
*Housing, LED driver 1965	1965-358-001-05	A	2017-04-25
*Isolator, contact, LED module	1965-358-001-06	A	2017-04-25
*Spring, LED module	1965-358-001-08	A	2017-04-22
*Spring pad, LED module	1965-358-001-09	A	2017-04-25
*LED driver assembly / PCBA (4 sheets)	1965-358-001E-12	A	2017-11-28
*Negative contact spring	1965-358-001-14	A	2017-04-20
*Positive wire lead	1965-358-001-15	A	2017-04-20
*28 AWG 7x16 stranded wire	1965-358-001-17	A	2017-04-20
1965 Body	1965-920-000	PR	2010-05-13
M3 Press Fit, Knurled Expansion Insert	2463-341-000	B	2010-09-01
*MityLite 1965 LED Zone 0 By Peli (User manual and Declaration of Conformity)	1965-318-503	A	2018-02