

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.: **TRAC15ATEX0042X**

4 Equipment: **Flashlight / Head Torch, model Peli 2785Z1 LED**

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 Element Materials Technology, 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-025692-33-00A**.


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/A11:2013 EN 60079-11:2012

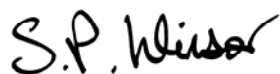
10 If the sign “X” is placed after the certificate number then this indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

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 2 G Ex ib IIC T4 Gb**

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: 2016-01-08

SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE TRAC15ATEX0042X

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

The 2785Z1 head torch consists of a main torch unit with a separate battery pack. It is battery powered by four series connected primary 1.5Vdc AA alkaline cells. Both enclosures are constructed with a black non-metallic material.

The battery pack features blue and red battery status indicator LEDs and a button on the top of the pack for power control.

The main torch unit features two high power LEDs to provide the main light output of the torch. A rotary switch on the side of the main torch unit allows the user to change the brightness and control which of the LEDs are on

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

16 Test report No. (associated with this certificate issue): TRA-025692-33-00A.

17 Essential health and safety requirements (Directive Annex II)

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.

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

1. Only Duracell type MN1500, Sanyo type SEC-AC4AA, Energizer type E91 and Panasonic type LR06 battery cells are permitted to be used in the equipment. All of the cells must be of the same manufacturer.
2. Do not replace battery cells when an explosive atmosphere is present. Battery cells must be replaced with the correct polarity.
3. The battery compartment shall not be opened in a hazardous area.

19 "Routine tests", if any:

None.

20 "Special conditions for manufacture", if any:

None.

21 Other information, if any:

None.

22 Photographs



23 Details of markings



24 Details of variations to this certificate

None

25 Notes to CE marking

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

26 Notes to this certificate

Element Materials Technology certification reference: **TRA-025692-32-00**.

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 TRAC15ATEX0042X

APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
2785Z1 LED user manual	002785-0318-500	B	2015-12
O-Ring, Switch, 2780	027800-0100-110-08	B	2015-12-17
Main Gasket, 2780	027800-0100-110-09	B	2015-12-17
Heat sink, 2780	027800-0100-110-18	B	2015-10-30
O-Ring, Wire Grommet, 2780	027800-0100-110-22	B	2015-12-17
Main LED PCBA, 2780	027800-0100-110-24	B	2015-07-22
Downcast LED PCBA, 2780	027800-0100-110-25	B	2015-07-22
O-Ring, Battery Pack, 2780	027800-0100-110-32	B	2015-12-17
Battery Door Knob, 2780	027800-0100-110-45	B	2015-10-07
Switch Assy, 2785	027850-0100-110E-01	A	2015-08-27
PCBA, Main, 2785 (3 pages)	027850-0100-110-12	A	2015-11-06
Lens cover, 2785	027850-0100-110-14	A	2015-08-26
PCBA, Battery Pack (3 pages)	027850-0100-110-33	A	2015-11-06
Top Housing, Switch, 2785	027850-0100-110E-06	A	2015-08-27
Back Plate O/M, 2785	027850-0100-110E-15	A	2015-08-27
Back Cover, 2785	027850-0100-110E-17	A	2015-08-26
Battery Pack, 2785	027850-0100-110E-30	A	2015-08-27
Battery Pack, Top Cover, 2785	027850-0100-110E-38	A	2015-08-27
Battery Housing W/OM, 2785	027850-0100-110E-40	A	2015-08-27
Headlight Assy, 2785	027850-0100-CLRE	A	2015-10-30
Facia, 2785	027850-0100-CLRE-23	A	2015-08-27
Molded approval insert, 2785 Z1	2785-001-Z1	A	2015-10-30