IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TRC 10.0005X

Issue No: 2

Certificate history:
Issue No. 2 (2018-01-31)
Issue No. 1 (2011-08-17)
Issue No. 0 (2010-10-22)

Status: **Current**

Date of Issue: **2018-01-31**

Applicant: **Pelican Products Inc**
23215 Early Avenue
Torrance
CA 90505
United States of America

Equipment: **Pelican MityLite 1965 LED**

Optional accessory:

Type of Protection: **Intrinsically Safe" ia" , Optical Radiation "op is"**

Marking:

Ex ia op is IIC T4 Ga

Approved for issue on behalf of the IECEx Certification Body: Stephen Winsor

Position: Certification Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

IECEx Certificate of Conformity

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Date of Issue: **2018-01-31** Page 2 of 4

Manufacturer: **Pelican Products**
23215 Early Avenue
Torrance
CA 90505
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/TRC/ExTR10.0002/00 GB/TRC/ExTR10.0002/01 GB/TRC/ExTR10.0002/02

Quality Assessment Report:

GB/FME/QAR08.0002/11

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The flashlight, model 1965 is a portable alkaline battery powered torch. The unit comprises a main PCB with various components and a PCB with a LED, along with a reflector, and a battery compartment all contained within an enclsoure 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

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Use only Duracell MN2400 LR03, Energizer E92 LR03, or Panasonic PN LR03 (Xtreme Power) AAA alkaline batteries.
- To reduce risk of explosion do not mix old with new batteries, or mix bateries from different manufacturers.
- Do not change batteries in hazardous locations.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 2:

1. IEC 60079-0:2004 updated to IEC 60079-0:2007
2. IEC 60079-11:2006 updated to IEC 60079-11:2011
3. “Op is” protection concept applied to light output with IEC 60079-28:2015
4. IEC 61241-0, IEC 61241-11 and dust certification removed
5. New PCB and LED driver circuit
6. LED component replaced with two new LED components.

Annex:

Annex to IECEx TRC 10.0005X iss 2.pdf

Element Materials Technology,
Unit 1, Pendle Place,
Skelmersdale,
West Lancashire, WN8 9PN,
United Kingdom

Annex to IECEx Certificate of Conformity IECEx TRC 10.0005X issue No.: 2

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
O-ring 1900 Lens	1903-321-000	D	2014-10-16
1965 Shroud overmold lens	1961-925-CLR	PR	2009-12-03
1965 Contact retainer	1963-331-000	PR	2009-12-03
1965 Insulator tube, battery	1963-344-000	PR	2009-10-20
Lens, 1960	1963-920-100	A	2009-12-03
1965 Pelican approved light	1965-000-CLR	C	2017-12-21
1965 Approval insert	1965-003	A	2017-12-20
1965 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
Drive screw, positive contact	1965-358-001-07	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
Pelican 1965 approve body	1965-926-CLR	A	2017-12-20
M3 Press Fit, Knurled Expansion Insert	2463-341-000	B	2010-01-09
1965 Body	1965-920-000	PR	2010-05-13
MityLite 1965 LED By Pelican (Instructions – 2 sheets)	1963-311-001	B	2017-12

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