

1 Unit Verification Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 15ATEX0073X Issue: 3

4 Equipment: PELI 3765Z0 Flashlight

5 Manufacturer: Pelican Products Inc.

6 Address: 23215 Early Avenue, Torrance, CA 90505, USA.

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

8 ExVeritas, Notified Body number 2804 for Annex IX in accordance with Article 9 of the Council Directive 2014/34/EU of 20 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN IEC 60079-0: 2018

EN 60079-11:2012

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This Unit Verification Certificate relates only to the equipment or protective system identified by serial number on the associated schedule, in accordance with the Directive 2014/34/EU.

12 The marking of the equipment shall include the following:



II 1G Ex ia IIC T3 Ga (when using battery pack)
II 1G Ex ia IIC T4 Ga (when using individual cells)
Ta = -20°C to +40°C

According to Article 10[1] of the directive 2014/34/EU the CE marking shall be followed by the Identification number 2804 identifying the notified body involved.



On behalf of ExVeritas



Peter Lauritzen
Managing Director

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Schedule

13 Description of Equipment or Protective System

The 'PELI 3765Z0' is a flashlight used for illuminating dimly lit areas. It is designed to be suitable for explosive gas atmospheres which are continuously present and therefore intended for use in areas classified as IECEx Zone 0 & ATEX Category 1. The device uses an array of LED's which is controlled electronically to achieve different lighting effects and is intended to be held by the user during use. The '3765Z0 Flashlight' has a battery compartment which can accept the one of the following approved power sources:

1. x4 individual AA primary Zinc-Manganese dioxide cells (Panasonic LR6 or Energizer E91).
2. x4 individual AA secondary Nickel metal hydride cells (Panasonic Eneloop BK-3MCC branded Peli P-NiMH-AA).
3. A single non-serviceable battery pack (made up of x4 individual AA secondary Tenergy 10321 Nickel metal hydride)

The '3765Z0 Flashlight' is supplied with the '3769 battery pack' (item 3 above) by default. Only when installed with the '3769 battery pack' the '3765Z0 Flashlight' may be charged in the safe area using the supplied '3770F charger'. Temperature class T4 is only applicable when used with either items 1 or 2 above. When used with the '3769 battery pack' the '3765Z0 Flashlight' is suitable only for Temperature class T3.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report	Issue Date	Issue	Comment
R0760/A/1	14/10/2015	0	Initial issue of the prime certificate
R0760/B/1	18/07/2018	1	- Inclusion of a rechargeable battery pack "Peli P-NiMH-AA" - Updated analysis to include EN 60079-26:2015 and EN 60079-28:2015. - Inclusion of jumper between NiMH-GND and BAT- to allow charging of cells P-NiMH-AA.
-	12/11/2020	2	Transfer to ExVeritas Aps Notified Body number 2804
R3575/A/1	16/03/2023	3	Fixed numbering discrepancy (certificate started at issue 1 not 0). Changes to allow issuance of UKEX certificate and issue a IECEx certificate.

14.2 Compliance Drawings:

Description	Drawing number	Revision	Date
Led module subassembly, 3715	3713-350-000	H	2021-05-27
Led module assembly, 3715/3765	3713-350-000-02	G	2021-05-27
Battery cover assembly, 3715/3765	3713-350-000-01	B	2012-08-13
Led wire, mpcb, positive	3713-350-000-51	A	2011-11-02
Led wire, mpcb, negative	3713-350-000-50	A	2011-11-02
Buss wire, 3715/3765	3713-350-000-49	A	2011-10-28
Fuse holder, 3715/3765	3713-350-000-43	A	2011-10-28
O-ring, 3715 knob	3713-350-000-40	A	2011-10-28
O-ring, 3715/3765	3713-350-000-39	A	2011-10-31
3715/3765 battery cover	3713-350-000-32	A	2011-10-27
Knob, battery cover, 3715/3765	3713-350-000-31	A	2011-10-27
Pos contact spring, 3715/3765	3713-350-000-23	A	2011-10-27
Neg contact spring, 3715/3765	3713-350-000-22	A	2011-10-31
Battery spacer, 3715/3765	3713-350-000-20	A	2011-10-27
Main spacer, 3715/3765	3713-350-000-19	A	2011-10-28
Wire, main pcb to switch pcb, 3715/3765	3713-350-000-18	A	2011-10-28
Heat sink, 3715/3765	3713-350-000-10	A	2011-10-27
Led	3713-350-001-03	B	2015-06-07
Mcpb w/led, 3715/3765	3713-350-001	C	2021-05-27

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Issue 3

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Description	Drawing number	Revision	Date
3713 switch pcba	3713-340-001	A	2011-09-21
3713 main pcb	3713-340-000	J	2021-05-27
3715/3765 Z0 plastic clip	3715-345-000	C	2020-09-21
3715/3765 Z0 plastic clip	3715-345-000-01	B	2018-01-10
3715/3765 Z0 clip base	3715-345-000-02	A	2015-03-10
3715/3765 switch boot	3715-961-CLR	A	2015-03-31
3710 clear lens	3715-920-100	A	2014-11-17
3715/3765 overmold shroud	3715-940-CLR	A	2015-03-10
3765 nimh battery pack cat#3769	3763-302-000	D	2020-03-30
2000 mah nimh "AA" rechargeable battery	3763-302-000-01	A	2015-03-10
Polyswitch, 3765 battery pack	3763-301-000-08	A	2012-01-15
Molded approval insert, 3765 zone 0	3765-002-Z0	C	2022-07-18
3765 Z0 light assembly	3765-022-CLRE-Z0	E	2019-12-10
3765 Z0, decal	3765-365-000E	C	2021-06-22
3765 zone 0, main housing	3765-950-CLRE-Z0	A	2019-07-15
3765 charger	3765-305-002	B	2022-02-15
3765 charger, side pcba	3765-325-002-014	A	2015-06-02
3763 charger, main pcba	3765-305-002-018	A	2015-06-02
3765Z0 instruction manual	3765-318-505	A	03-2023

15 Conditions of Certification

15.1 Special Conditions for Safe Use

1. Only the rechargeable battery pack "3769", or rechargeable cells "Peli P-NiMH-AA", can be used to power the LED flashlight 3765Z0. It is not permitted to remove this battery pack whilst inside a hazardous area.
2. When powered using primary cells use only Panasonic LR6, or Energizer E91. All cells must be exchanged with cells from the same cell manufacturer and same batch.
3. Only the charger 3770F can be used to charger the model 3765Z0.

15.2 Conditions for Use (Routine tests)

- None

16 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

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Issue 3

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