

1 **EC - Type Examination Certificate**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: ExVeritas 15ATEX0061X Issue: 2

4 Equipment: LED Light PELI/Pelican 3315R with optional angle adapter

5 Manufacturer: Pelican Products Inc

6 Address: 23215 Early Avenue
Torrance
USA – CA 90505

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 2585 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 60079-0:2012+A11:2013 EN 60079-26:2007
EN 60079-11:2012 EN 60079-28:2007

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 EC-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment shall include the following:

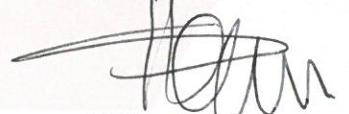
 II 2G Ex ib op is IIC T4 Gb (PELI 3315RZ1, PELI3315R RA Z1)

 II 1G Ex ia op is IIC T4 Ga (PELI 3315RZ0, PELI 3315R RA Z0, Pelican 3315R, Pelican 3315R RA)



No. 8613

On behalf of ExVeritas



S D'Henin
Certification Manager

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The certificate is only valid when it carries an original signature.

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Schedule

13 Description of Equipment or Protective System

The LED Light PELI 3315R is comprised of an enclosure made in plastic material that has two parts, one part includes the lens, an power LED and the internal connector for the second part, which includes the main circuit and the Li-ion cell that power the system, an angle adapter is also available as an optional part.

The main circuit is conformal coated and located inside of a secondary plastic enclosure, which is fixed to the main enclosure by screws providing an assembly that does not allow the access to the Li-ion cell without the use of a tool.

The Li-ion cell is provided with a protective circuit associated that is potted and sealed with the cell, creating a single unit not serviceable. The LED Light provides two pins outside of the main enclosure for connection with the Pelican Charger 3315R, these pins are intrinsically safe when not in use for charging.

Ratings:

Models EPL Gb (2G):

1 x Li-ion rechargeable cell Samsung ICR 18650-30B

Models EPL Ga (1G):

1 x Li-FePO4 rechargeable cell Tenergy IFR-18650 (model 30064 0)

The cells are only allowed to be charged by the Pelican standard charger model 3318 and 3318Z0.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R0667/A/1	2015/12/22	0	Initial issue of the Prime Certificate
R0667/B/1	2016/12/05	1	<ul style="list-style-type: none"> • The model types have been rearranged by Pelican and introduced at this revision. There are only two types of LED lights, one for EPL Ga (1G) and another for EPL Gb (2G) as shown in the marking. The difference is due the additional approvals received and the manufacturing place. • The cell K2 18650E02 originally approved for the model 3315RZ0 has been replaced by the cell Tenergy IFR-18650 (model 30064-0) which has passed in the temperature classification T4. • Resistor R9 at the LED Drive Board has been changed for a larger size, this component is now specified as 301Ω/0.250W/1%/0805 instead of 301Ω/0.125W/1%/0805. • The documentation has been changed with minor editions that do not impair the intrinsic safety. <ul style="list-style-type: none"> ○ Switch boot holder has been updated including the possibility to be made in PC/PBT ○ Body contact pin updated for the material SUS 301 STAINLESS STEEL ○ Switch boot pressing diameter changed – do not impair IP rate

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14.2 Compliance Drawings:

Issue 0

Number	Date	Issue	Description
03315R-6000-000E-Z0	2015-11-6	A	Peli 3315R Z0 light assembly
03315R-6000-000E-Z0-39	2015-8-6	A	Body, Peli 3315R Z0
03315R-001-Z0	2015-8-27	A	Peli 3315R Z0 Approval insert
03315R-6000-000E-38	2015-8-6	A	Shroud
03315R-6000-000-34	2015-8-6	A	Switch boot holder
03315R-6000-000-02	2015-4-23	A	Body contact pin
03315R-6000-000-01	2015-7-21	A	Switch boot
03315R-6000-000-06	2015-12-17	A	LED with MCPCB
03315R-6000-000-14	2015-7-21	A	Gore vent
03315R-6000-000-20	2015-12-7	A	3315R LED Driver PCBA, LiFePO4
03315R-6000-000-25	2015-12-7	A	Battery pack, Pelican 3315R & Peli 3315RZ0
03315R-6000-000E-23	2015-4-23	A	Lens, Anti-static
03315R-6000-000-26	2015-4-23	A	Gasket, Lens
03315R-6000-000-07	2015-12-16	A	Charger, LiFePO4
03315R-3030-000	2015-7-21	A	Right Angle Adaptor
03315R-6000-000E-Z1	2015-11-6	A	Peli 3315R Z1 Light Assembly
03315R-6000-000E-Z1-05	2015-7-31	A	Body, Peli 3315 Z1
03315R-001-Z1	2015-11-6	A	Peli 3315R Z1 Approval insert
03315R-6000-000E-20	2015-12-7	A	3315R LED Driver PCBA, Li-Ion
03315R-6000-000-21	2015-11-4	A	Battery pack, Peli 3315R Z1
03315R-6000-000-23	2015-4-23	A	Lens
03315R-6000-000E-07	2015-12-16	A	Charger, Li-Ion
03315R-6000-000-41	2015-12-18	A	Charger plastic holder
003315-3190-000E	2015-11-16	A	3315RZ0 Safety Instructions
003315-3140-000E	2015-11-16	A	3315RZ1 Safety Instructions

Issue 1

Number	Date	Issue	Description
03315R-6000-000E-Z0	2015-11-6	A	Peli 3315R Z0 light assembly
03315R-6000-000E-Z0-39	2015-8-6	A	Body, Peli 3315R Z0
03315R-6000-000E-Z0	2016-03-10	B	Peli 3315R Z0 light assembly

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Number	Date	Issue	Description
03315R-6000-000E-Z0-39	2015-08-06	A	Body, Peli 3315R Z0
03315R-001-Z0	2016-07-26	B	Peli 3315R Z0 Approval insert
03315R-6000-000E-38	2015-08-06	A	Shroud
03315R-6000-000-34	2016-05-16	B	Switch boot holder
03315R-6000-000-02	2016-05-17	B	Body contact pin
03315R-6000-000-01	2016-05-17	B	Switch boot
03315R-6000-000-06	2015-12-17	A	LED with MCPCB
03315R-6000-000-14	2015-07-21	A	Gore vent
03315R-6000-000-20	2015-12-7	A	3315R LED Driver PCBA, LiFePO4
03315R-6000-000-25	2015-07-21	B	Battery pack, Pelican 3315R & Peli 3315RZ0
03315R-6000-000E-23	2015-04-23	A	Lens, Anti-static
03315R-6000-000-26	2015-04-23	A	Gasket, Lens
03315R-6000-000-53	2016-10-03	A	Charger, LiFePO4
03315R-3030-000-42	2015-7-21	A	Right Angle Adaptor
03315R-6000-000E-Z1	2015-11-6	A	Peli 3315R Z1 Light Assembly
03315R-6000-000E-Z1-05	2015-7-31	A	Body, Peli 3315 Z1
03315R-001-Z1	2015-11-6	A	Peli 3315R Z1 Approval insert
03315R-6000-000E-20	2015-12-7	A	3315R LED Driver PCBA, Li-Ion
03315R-6000-000-21	2015-11-4	A	Battery pack, Peli 3315R Z1
03315R-6000-000-23	2015-4-23	A	Lens
03315R-6000-000E-07	2015-12-16	A	Charger, Li-Ion
03315R-6000-000-41	2015-12-18	A	Charger plastic holder
003315-3150-000	2016-11-16	B	3315R/RA Z1 Safety Instructions
003315-3140-000	2016-11-16	B	3315R/RA Z0 Safety Instructions
003315-3140-000E	2016-11-16	B	3315R/RA Z1 ATEX DC and safety instructions
003315-3190-000E	2016-11-16	B	3315R/RA Z0 ATEX DC and safety instructions

15 Conditions of Certification

15.1 Special Conditions for Safe Use

• Only the charger 3318/3318RZ0 is allowed to charge the model PELI/Pelican 3315R, the use of any other charger will invalidate the type of protection intrinsically safe.

15.2 Conditions for Use (Routine Tests) N/A

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16 **Schedule**

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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