



# 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](http://www.iecex.com)

Certificate No.: IECEx EXV 15.0005X Issue No: 1 Certificate history:  
Status: **Current** Page 1 of 6 [Issue No. 1 \(2016-12-05\)](#)  
Date of Issue: **2016-12-05** [Issue No. 0 \(2016-01-12\)](#)

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

Equipment: **LED Light PELI/Pelican 3315R**  
*Optional accessory:* *Right angle adaptor*

Type of Protection: **Intrinsic safety "I"**

Marking:  
Ex ib op is IIC T4 Gb (PELI 3315RZ1, PELI3315R RA Z1)  
Ex ia op is IIC T4 Ga (PELI 3315RZ0, PELI 3315R RA Z0, Pelican 3315R, Pelican 3315R RA)

Approved for issue on behalf of the IECEx  
Certification Body:

Stephen D'Henin

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:

**ExVeritas Limited**  
Units 16-18 Abenbury Way  
Wrexham Ind. Est.  
Wrexham LL 139UZ  
United Kingdom





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Manufacturer: **Pelican Products Inc**  
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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
<b>IEC 60079-28 : 2006-08</b> Edition:1	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/EXV/ExTR15.0005/00](#)

[GB/EXV/ExTR16.0030/00](#)

Quality Assessment Report:

[GB/FME/QAR08.0002/07](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

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.

### CONDITIONS OF CERTIFICATION: YES as shown below:

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.



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## **EQUIPMENT (continued):**

### 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 Tenery IFR-18650 (model 30064?0)



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

- 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 301 ? /0.250W/1%/0805 instead of 301 ? /0.125W/1%/0805.
- The documentation has been changed with minor editions that do not impair the intrinsic safety.
  - 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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**Additional information:**

See Annex for approval drawings.

**Annex:**

[IECEX 15.0005 X - Annex\\_Issued.pdf](#)

[IECEX 15.0005 X - Annex\\_Issue 1.pdf](#)

**Description Continued:**

N/A

**Routine Tests:**

N/A

**Special Conditions for manufacture:**

N/A

**Manufacturer's documents:**

Title:	Drawing No.:	Rev	Date:
Peli 3315R Z0 light assembly	03315R-6000-000E-Z0	A	2015-11-6
Body, Peli 3315R Z0	03315R-6000-000E-Z0-39	A	2015-8-6
Peli 3315R Z0 Approval insert	03315R-001-Z0	A	2015-8-27
Shroud	03315R-6000-000E-38	A	2015-8-6
Switch boot holder	03315R-6000-000-34	A	2015-8-6
Body contact pin	03315R-6000-000-02	A	2015-4-23
Switch boot	03315R-6000-000-01	A	2015-7-21
LED with MCPCB	03315R-6000-000-06	A	2015-12-17
Gore vent	03315R-6000-000-14	A	2015-7-21
3315R LED Driver PCBA, LiFePO4	03315R-6000-000-20	A	2015-12-7
Battery pack, Pelican 3315R & Peli 3315RZ0	03315R-6000-000-25	A	2015-12-7
Lens, Anti-static	03315R-6000-000E-23	A	2015-4-23
Gasket, Lens	03315R-6000-000-26	A	2015-4-23
Charger, LiFePO4	03315R-6000-000-07	A	2015-12-16
Right Angle Adaptor	03315R-3030-000	A	2015-7-21
Peli 3315R Z1 Light Assembly	03315R-6000-000E-Z1	A	2015-11-6
Body, Peli 3315 Z1	03315R-6000-000E-Z1-05	A	2015-7-31
Peli 3315R Z1 Approval insert	03315R-001-Z1	A	2015-11-6
3315R LED Driver PCBA, Li-Ion	03315R-6000-000E-20	A	2015-12-7
Battery pack, Peli 3315R Z1	03315R-6000-000-21	A	2015-11-4
Lens	03315R-6000-000-23	A	2015-4-23
Charger, Li-Ion	03315R-6000-000E-07	A	2015-12-16
Charger plastic holder	03315R-6000-000-41	A	2015-12-18
3315RZ0 Safety Instructions	003315-3190-000E	A	2015-11-16
3315RZ1 Safety Instructions	003315-3140-000E	A	2015-11-16

<b>Description Continued:</b>
N/A

<b>Routine Tests:</b>
N/A

<b>Special Conditions for manufacture:</b>
N/A

<b>Manufacturer's documents:</b>			
Title:	Drawing No.:	Rev	Date:
Peli 3315R Z0 light assembly	03315R-6000-000E-Z0	B	2016-03-10
Body, Peli 3315R Z0	03315R-6000-000E-Z0-39	A	2015-08-06
Peli 3315R Z0 Approval insert	03315R-001-Z0	B	2016-07-26
Shroud	03315R-6000-000E-38	A	2015-08-06
Switch boot holder	03315R-6000-000-34	B	2016-05-16
Body contact pin	03315R-6000-000-02	B	2016-05-17
Switch boot	03315R-6000-000-01	B	2016-05-17
LED with MCPCB	03315R-6000-000-06	A	2015-12-17
Gore vent	03315R-6000-000-14	A	2015-07-21
3315R LED Driver PCBA, LiFePO4	03315R-6000-000-20	A	2015-12-7
Battery pack, Pelican 3315R & Peli 3315RZ0	03315R-6000-000-25	B	2015-07-21
Lens, Anti-static	03315R-6000-000E-23	A	2015-04-23
Gasket, Lens	03315R-6000-000-26	A	2015-04-23
Charger, LiFePO4	03315R-6000-000-53	A	2016-10-03
Right Angle Adaptor	03315R-3030-000-42	A	2015-7-21
Peli 3315R Z1 Light Assembly	03315R-6000-000E-Z1	A	2015-11-6
Body, Peli 3315 Z1	03315R-6000-000E-Z1-05	A	2015-7-31
Peli 3315R Z1 Approval insert	03315R-001-Z1	A	2015-11-6
3315R LED Driver PCBA, Li-Ion	03315R-6000-000E-20	A	2015-12-7
Battery pack, Peli 3315R Z1	03315R-6000-000-21	A	2015-11-4
Lens	03315R-6000-000-23	A	2015-4-23
Charger, Li-Ion	03315R-6000-000E-07	A	2015-12-16
Charger plastic holder	03315R-6000-000-41	A	2015-12-18
3315R/RA Z1 Safety Instructions	003315-3150-000	B	2016-11-16
3315R/RA Z0 Safety Instructions	003315-3140-000	B	2016-11-16
3315R/RA Z1 ATEX DC and safety instructions	003315-3140-000E	B	2016-11-16
3315R/RA Z0 ATEX DC and safety instructions	003315-3190-000E	B	2016-11-16