



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx EXV 17.0007X**

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Certificate history:

Status: **Current**

Issue No: 5

[Issue 4 \(2022-12-08\)](#)

[Issue 3 \(2021-11-17\)](#)

[Issue 2 \(2021-04-26\)](#)

[Issue 1 \(2020-10-21\)](#)

[Issue 0 \(2017-04-26\)](#)

Date of Issue: 2024-05-08

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

Equipment: **9455 Remote Area Lighting System**

Optional accessory:

Type of Protection: **Intrinsic safe level "ia"**

Marking: Ex ia IIC T4 Ga

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



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

Manufacturing
locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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 Reports:

GB/EXV/ExTR17.0009/00
GB/EXV/ExTR21.0110/00

GB/EXV/ExTR20.0083/00
GB/EXV/ExTR22.0106/00

GB/EXV/ExTR21.0032/00
GB/EXV/ExTR24.0028/00

Quality Assessment Report:

GB/FME/QAR08.0002/14



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The "Remote Area Lighting System 9455" is comprised of a non-metallic, anti-static main enclosure. The light head is attached to a pole made from aluminium. The Light Engine Board is situated in the light head, and includes the LED's with their protective circuit. The main enclosure contains a rechargeable battery pack, the Charger Protection Board and its secondary enclosure. The internal cabling connects the internal electronics to an external charger via a plug to allow charging in the safe area (not powered inside hazardous locations).

Charger circuit for connection in safe area only: $U_m = 14.4 \text{ V}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The Light Head and its pole are made in aluminium and represent an ignition hazard, avoid risk of mechanical impact or friction.
- Remote Area Lighting System 9455 shall be charged only in safe area, charging in explosive atmospheres invalidates this certification.
- The lens is coated to avoid risks of electrostatics charges, refer to the user manual for information about periodic inspections and services on this part.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The manufacturer wishes to use different types of heat shrink in the electronics without having to notify the ExCB in the future.

Since this is not a safety critical component, the bill of materials and associated drawing now reflect that the heat shrink may be changed without affecting the type of protection.

Annex:

[IECEx Certificate Annex_1.pdf](#)

Description continued
N/A

Routine tests
None.

Manufacturer's documents			
Title	Drawing	Revision	Date
9455 Main Assy – BOM Drawing	009455-000-245 (E)	C	2017/04/12
CPC Cable Gland Cover, 9455	009455-2063-000	D	2017/02/28
Battery Sealing Gland B, 9455	009455-2099-000	A	2016/10/25
Light Head Spacer, ATEX – 9455	009455-2407-110	C	2017/02/10
Pole Assy, 2 Section, 9455, ATEX	009455-2489-000	B	2017/01/26
Coiled Cable Assy, 9455	009455-3097-000	K	2017/01/09
NiMH Battery Pack, Raw 9455	009455-3520-000	G	2017/04/20
* Battery Loom, 9455	009455-3520-000A	E	2024/02/23
Lamp Head Assy ATEX, Heat Sink, BLK – 9455	009455-3554-110	B	2017/01/04
Head Heat Sink, 9455	009455-3554-110A	K	2017/04/12
Gasket, Lamp Head 9455	009455-3554-110B	B	2017/02/20
Bezel, 9455 Lamphead	009455-3554-110C	C	2017/01/26
Bezel Inner, Lamphead, 9455	009455-3554-110D	C	2017/02/20
Thermal Interface, 9455 Lamphead	009455-3554-110E	C	2017/02/27
Light Engine, 9455	009455-3554-110G	Q	2021/08/16
Lens Gasket, 9455	009455-3554-110J	C	2017/02/20
CPC PCB, 9455	009455-3600-000	M	2021/08/16
Potted Fuse, CPC – 9455	009455-3600-000A	A	2017/02/27
CPC Housing Front, Rear & Gasket, 9455	009455-3650-000	D	2017/08/22
CPC Housing, 9455	009455-3650-000A	F	2017/03/21
CPC Cover Plate, 9455	009455-3650-000B	F	2017/03/21
CPC Gasket, 9455	009455-3650-000C	D	2017/01/26
Serial Number Plate, ATEX, US – 9455	009455-5077-000	C	2017/04/20
Serial No. Label Artwork, Pelican – 9455	009455-5078-000	K	2021/09/27
Bottom Moulding Black ATEX, 9455	009455-6042-110	A	2016/12/21
Top Mould, Yellow ATEX Gland Insert	009455-6043-245	A	2016/12/21
9455 Top Moulding Pad Print - Pelican	009455-6044-245	A	2016/12/20
9455 Top Moulding Pad Print - Peli	009455-6044-245E	A	2016/12/20
Pole Bracket Assy, ATEX, BLK – 9455	009455-6240-110	F	2017/03/21
Light Head Bracket Assembly 9460_70	009466-3556-000	06	2017/04/18
Peli 9455 User Manual	009455-5510-000E	7	-
Pelican 9455 User Manual	009455-5510-000	7	-