

1 EU - Type Examination Certificate

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

3 Certificate Number: ExVeritas 17ATEX0243X Issue: 4

4 Equipment: Remote Area Lighting System 9455

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 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 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 IEC 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 EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. 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 1G Ex ia IIC T4 Ga
Ta = -20°C to +40°

Schedule

13 Description of Equipment or Protective System

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: Um = 14.4 V

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report	Date	Issue	Comment
R0832/A/1	26/04/2017	0	Initial issue of the Prime Certificate
R3100/A/1	19/04/2021	1	- To incorporate all changes issued under IECEx certification IECEx EXV 17.0007 X Issue 1 - Manufacturer has notified that due to the battery wiring loom part being made obsolete, this requires update to the battery wiring loom. - Upgrade of standard from EN 60079-0:2012+A11:2013 to EN IEC 60079-0:2018
R3516/A/1	17/11/2021	2	- EN IEC 60079-0 is being updated to its Ed. 7th. - IEC 60079-28 and the marking "op is" are being removed since the publication of the IEC 60079-28:2015/ISH1:2019 excluded the need to evaluate LED lighting equipment with non-divergent light beam. - Conformal coating used in the boards is being updated to a new part number HUMISEAL 1A33-LTX-PB6. - The standard IEC 60079-26 is also removed from this approval, this is aligned with the scope of the new edition of this standard
R4289/A/1	08/12/2022	3	To correct administrative errors in the revision level of schedule drawings.
R4983/A/1	15/03/2024	4	Drawing 009455-3520-000A revision has changed from "D" to "E". There has been no changes which affect the type of protection.

14.2 Compliance Drawings:

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

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Issue 4

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Schedule

Title	Drawing	Revision	Date
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	-

Note: An * is included before the title of documents that are new or revised.

15 Conditions of Certification

15.1 Special Conditions for Safe Use

1. The Light Head and its pole are made in aluminium and represent an ignition hazard, avoid risk of mechanical impact or friction.
2. Remote Area Lighting System 9455 shall be charged only in safe area, charging in explosive atmospheres invalidates this certification.
3. 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.

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 4

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