

1 **EC - Type Examination Certificate**

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

3 Certificate Number: ExVeritas 15 ATEX 0010 X Issue: 0

4 Equipment: LED hand-held lantern and transportable floodlight

5 Manufacturer: CorDEX Instruments Ltd

6 Address: Unit 1 Owens Road, Skippers Lane Industrial Estate,
 Middlesbrough, Cleveland
 TS6 6HE – UK

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 report:

EN 60079-0:2012+A11:2013
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 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 2 G Ex ib IIC T4 Gb (Ta = -10°C to +40°C)



No. 8613

On behalf of ExVeritas

A handwritten signature in black ink, appearing to read 'S D Henin'.

S D Henin
Certification Manager

This certificate may only be reproduced in its entirety and without any change, schedule included.

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

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

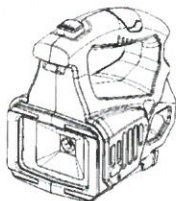
ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.

Schedule

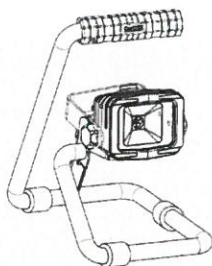
13 Description of Equipment or Protective System

The CorDEX FL47xx LED can be provided in two different variations as follow:

1. Hand-held lantern



2. Transportable floodlight



All version are based in the same core LED floodlight, which is comprise of an aluminium enclosure with a lighting window made in glass, inside of this enclosure is situated the PCB where the safety critical components and the LED's are soldered. This LED Light includes also a push-button that is directly actioned in the transportable version or is actioned through a mechanical assembly in the hand-held version.

This product is powered through the rechargeable battery pack model EXIS approved as an intrinsically safe Ex Component (ExVeritas 15 ATEX 0009 U).

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R0603/A/1	29/09/2015	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Issue 0

Number	Date	Issue	Description
CDX1000-250	2015/05/20	1.3	CorDEX EXIS Host Connector Board
CDX-1000-253	2015/03/31	1.3	CorDEX EXIS Host connector PCB
CDX-1000-254	2015/03/31	1.3	CorDEX EXIS Host connector PCB Assembly
CDX1000-260	2015/03/25	1.0	CorDEX EXIS Host FFC Board
CDX-1000-263	2015/03/25	1.0	CorDEX EXIS Host FFC Flexi PCB
CDX-1000-264	2015/03/25	1.0	CorDEX EXIS Host FFC Flexi PCB Assembly
CDX4700-200	2015/03/19	2.1d	CorDEX IS LEDLamp System - IS LED Lamp
CDX-4700-201	2015/05/20	2.1d	CorDEX IS LED Lamp System Schematic BOM

Certificate ExVeritas 15 ATEX 0010 X Issue 0

This certificate may only be reproduced in its entirety and without any change, schedule included.

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.

Schedule

Number	Date	Issue	Description
FL4700_4725SOM	-	A	Instructions for Safe Use Intrinsically Safe LED hand-held lantern and transportable floodlight
CDX4700-019	2015/01/05	A	IS Light General Assembly
CDX4700-020	2015/01/05	A	Lantern General Assembly
CDX4700-021	2015/07/18	C	Floodlight General Assembly
CDX4700-406	2015/01/15	A	Button Assembly
CDX-4700-441	2015/08/06	C	Rating plate
CDX4700-471	2015/01/15	A	Internal Connections
CDX4700-200	2015/03/19	2.1d	CorDEX IS LED Lamp – Top, LED Array, LED Driver
CDX4700-207	2015/05/20	2.1	CorDEX IS LED Lamp Board BOM
CDX-4700-208	2015/03/23	2.1	CorDEX HIR IS LED Lamp PCB
CDX-4700-209	2015/03/23	2.1	CorDEX HIR IS LED Lamp Assembly

15 Conditions of Certification

15.1 Special Conditions for Safe Use

- Only the EXIS battery pack can be used.
- It is not allowed to charge the battery pack in hazardous area.

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.

Certificate ExVeritas 15 ATEX 0010 X Issue 0

This certificate may only be reproduced in its entirety and without any change, schedule included.

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.