

UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 21UKEX2676** Issue: **0**

4 Product: **Rechargeable LED Working Light, Model Ultra2**

5 Manufacturer: **Artidor Explosion Safety B.V.**

6 Address: **Emopad 38
5663 PB Geldrop
The Netherlands**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations. The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-11:2012

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



II 2G
II 2D
Ex ib IIC T4 Gb
Ex ib IIIC T135 °C Db
Ta = During operation: -20°C to +45°C
Read the manual for charging conditions



Name: J A May
Title: Director of Operations

SCHEDULE

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**CSAE 21UKEX2676
Issue 0**

13 DESCRIPTION OF PRODUCT

Rechargeable LED working light, Model Ultra2 is a transportable working light with non-metallic enclosure. The apparatus is powered from Lithium Polymer cells and it is fitted with an array of LEDs behind the glass window.

Ambient temperature range during operation: -20°C to +45°C

Ambient temperature range during charging: 0°C to +40°C

Electrical data:

Supply: Four in series connected sets of 4 parallel connected Lithium Polymer cells.

The Rechargeable LED working light may only be charged outside the hazardous area with the Artidor charger supplied by the manufacturer.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	08 February 2022	R80097689A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.

17 PRODUCTION CONTROL

17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders



Certificate Annexe

Certificate Number: CSAE 21UKEX2676
 Product: Rechargeable LED working light, Model Ultra2
 Manufacturer: Artidor Explosion Safety B.V.

Issue 0

Drawing	Sheets	Rev.	Date (stamp)	Title
ATEX-MCH-ULTRA2-EX	1 of 1	2.1	13 Jan 22	Ultra2 Type identification Plate
ATEX-EXD-ULTRA2-Ex	N/K	0	18 Feb 19	Intrinsically Safe Rechargeable LED Work Light Type: Ultra 2
ATEX-ASY-300485	N/K	0	14 Feb 19	Enclosure, Driver and Wiring assembly
ATEX-CON-300485	N/K	1	09 Feb 18	Internal connection diagram
ATEX-ASY-200486	N/K	0	12 Oct 18	PCB Assembly
ATEX-BOM-200486	N/K	-	12 Oct 18	BOM
ATEX-PCB-120486	N/K	0	12 Oct 18	PCB specification
ATEX-SCH-120486	N/K	0	26 Apr 18	2x4 cells
ATEX-ASY-200485	N/K	0	12 Oct 18	PCB Assembly
ATEX-BOM-200485	N/K	-	12 Oct 18	BOM
ATEX-PCB-120485	N/K	0	12 Oct 18	PCB specification
ATEX-SCH-120485	N/K	0	30 Aug 18	EX Drawing
ATEX-ASY-200487	N/K	0	10 Oct 18	PCB Assembly
ATEX-BOM-200487	N/K	-	12 Oct 18	BOM
ATEX-PCB-120487	N/K	0	10 Oct 18	PCB specification
ATEX-SCH-120487	N/K	0	26 Apr 18	TOP level
ATEX-MCH-ULTRA2-Ex-00	N/K	0	14 Feb 19	Type Identification Plate
ATEX-IMS-ULTRA2-Ex	N/K	0	11 Mar 19	Installation Manual Specification
ATEX-TR-ULTRA2-Ex-01	N/K	0	18 Oct 18	Ultra2 Exi circuits measurements
ATEX-TR-ULTRA2-Ex-02	N/K	0	26 Aug 18	Ultra2 Thermal assesment
12ATEX0193X	N/K	N/K	N/K	N/A
Test Report 215638400	N/K	N/K	N/K	N/A

