



EU-TYPE EXAMINATION CERTIFICATE

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

Certificate Number: **KIWA 19ATEX0039X** Issue: **4**

Equipment: **LED Work Light, Model Ultra3**

Applicant: **Artidor Explosion Safety B.V.**

Address: Emopad 38
5663 PB Geldrop
The Netherlands

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

CSA Group Netherlands B.V., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018 EN 60079-11:2012 EN 60079-18:2015+A1:2017

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

This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

The marking of the equipment shall include the following:



II 2G

II 2D

Ex ib mb IIC T4 Gb

Ex ib mb IIIC T135°C Db

Ta = -20°C to +50°C

Signed: Michelle Halliwell

Title: Director of Operations



Project Number 80188423

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SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

The LED Work Light Model Ultra3 is a portable luminaire with non-metallic enclosure. The main board containing the electronics circuits for the LEDs is in type of protection Encapsulation "m", the LEDs are in type of protection Intrinsic safety "i". The luminaire is fitted with 3 strings of each 9 LEDs in parallel.

Ambient temperature range: -20°C to +50°C.

Electrical Data

$U_n = 24 - 48 \text{ Vac/dc}$

$U_m = 125 \text{ V}$

Variation 1 - This variation introduced the following change:

- i. Amended, change of manufacturer.

Variation 2 - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2012+A11:2013 was replaced by EN IEC 60079-0:2018.
- ii. Minor marking changes not affecting the previous assessment.

Variation 3 - This variation introduced the following changes:

- i. Recognise modification of LED part number.
- ii. Recognise few drawing modifications.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
1	17 July 2019	190601226 Iss 1	The release of the prime certificate
2	30 April 2020	190601226 Iss 2	The introduction of Variation 1.
3	27 May 2022	R80118799A	The introduction of Variation 2.
4	01 December 2023	R80188423A	The introduction of Variation 3.

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

- 15.1 The integral cable, intended for connection to an external power supply, is to be terminated using a suitable type of protection.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

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17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

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Certificate Annexe



Certificate Number: KIWA 19ATEX0039X
Equipment: LED Work Light, Model Ultra3
Applicant: Artidor Explosion Safety B.V.

Issues 1 and 2: Refer to the report stated in section 14.2

Issue 3

Drawing	Sheets	Rev.	Date (Stamp)	Title
ATEX-IMS-ULTRA3-EX	1 to 3	3	29 Mar 22	Ultra3 Installation Manual Specification
ATEX-MCH-ULTRA3-EX	1 of 1	3	29 Mar 22	Ultra3 Type Identification Plate

Issue 4

Drawing	Sheets	Rev.	Date (Stamp)	Title
ATEX-EXD-ULTRA3-Ex	1 to 19	3	20 Nov 23	Ex Description
ATEX-MCH-ULTRA3-Ex	1 of 1	4	20 Nov 23	Type Identification Plate
ASY-200487	1 to 2	1	20 Nov 23	LED board PCB Assembly
BOM-200487	1 of 1	2	20 Nov 23	LED Board BOM

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