



EU Type Examination Certificate CML 16ATEX3396X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **SA LUMIN EX LED Worklight**
- 3 Manufacturer **SA Equipment**
- 4 Address **10 Clifton View
East Mains Industrial Estate
Broxburn
EH52 5NE
United Kingdom**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 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 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2012+A11:2013	EN 60079-7:2015	EN 60079-18:2015
EN 60079-28:2015	EN 60079-31:2014	
- 10 The equipment shall be marked with the following:



II 2 GD

Ex eb mb op is IIC T4 Gb

Ex tb op is IIIC 80°C Db

IP66

Ta = -20°C to +55°C



**CML 16ATEX3396X
Issue 0**

11 Description

The SA LUMIN EX LED Worklight is a range of portable luminaires for use in explosive atmospheres, consisting of encapsulated driver circuits, encapsulated LED strip units and connecting devices for a supply cable. These are built onto a gear tray within an enclosure made of a clear polycarbonate tube fitted with a clear anti-static sleeve, between shock absorbing and dissipative plastic endplates. Through a certified cable gland, the luminaire is fitted with a supply cable and can also be supplied with a certified socket and plug receptacle. Through the use of an encapsulated battery pack and inverter, an emergency option is also available.

The range of luminaires are rated at 110 or 230V 50/60Hz.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	10 Feb 2017	R1697B/00	Issue of prime certificate.

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- 13.1 Where the product incorporates certified components the manufacturer shall ensure that any changes to those components do not affect the compliance of the certified product that is the subject of this certificate.
- 13.2 A dielectric strength test shall be carried out on all units manufactured in accordance with EN 60079-7:2015 clause 7.1 and EN 60079-18:2015 clause 9.2 at 1500 V for 1 minute, or alternatively at 1.2 times this test voltage for 100 ms. No breakdown shall occur. Tests shall be carried out between each circuit and earth and between each circuit and the surface of encapsulated parts.
- 13.3 A visual inspection shall be carried out on the encapsulated parts to check for damage, in accordance with EN 60079-18:2015 clause 9.1.

14 Special Conditions for Safe Use (Conditions of Certification)

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 The anti-static coating has excellent chemical and abrasion resistance; however, the end user should take precautions to prevent the anti-static coating from coming into contact with glycol ether or acetone. Refer to manufacturer's instructions.

Certificate Annex



Certificate Number CML 16ATEX3396X
Equipment SA LUMIN EX LED Worklight
Manufacturer SA Equipment

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved Date	Title
SA100200/EX/MR	1 of 1	3	10 Feb 2017	SA Worklight Marking Drawing