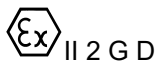




## EU Type Examination Certificate CML 19ATEX1312 Issue 2

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **SLED Lighting Fixtures**
- 3 Manufacturer **Cortem Group**
- 4 Address Via Aquileia 10,  
34070 Villesse, (Go),  
Italy
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 67386717, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, 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 IEC 60079-0:2018                      EN 60079-1:2014                      EN IEC 60079-7:2015+A1:2018  
EN 60079-31:2014
- 10 The equipment shall be marked with the following:



II 2 G D

Ex db eb IIB+H2 T4/T5/T6 Gb

Ex tb IIIC T100°C/T98°C/T95°C/T93°C/T90°C/T85°C Db IP66

Ta= -20°C to +40°C

-20°C to +60°C

-40°C to +40°C (only for IIB)

-40°C to +60°C (only for IIB)

-20°C to +50°C

-60°C to +60°C (only for IIIC)

-40°C to +50°C (only for IIB)





**CML 19ATEX1312X  
Issue 2**

## 11 Description

product description is amended as follows.

The Lighting Fixtures SLED wide area flood light series is suitable for use in outdoor and indoor hazardous areas, where inflammable or explosive vapours, gases or dusts are present.

The SLED-ME-600300, and SLED-MN-600300 are made with two separate explosion proof compartments, one containing the LED board, another containing the control gear.

In the SLED-ME-400200 and SLED-MN-400200, and the SLED-ME-250120, there are only one compartment with the LED board and the control gear. The explosion proof enclosure is composed of one body and one cover containing a glass window. These two components are joined by a flanged joint with screws.

Electrical terminations to the lighting fixture are through an increased safety housing on the rear.

Ambient	-20°C to +40°C -40°C to +40°C (only for IIB) -20°C to +50°C -40°C to +50°C (only for IIB) -20°C to +60°C -40°C to +60°C (only for IIB) IIC: -60 °C to +60 °C (only for dust applications)
---------	--

### Variation 1

This variation introduces the following changes:

- i. To allow the addition of a new model; ED-1001.I, SL
- ii. Update of a condition of manufacture to include the new model number.

### Variation 2

This variation introduces the following changes:

- i. To update the commercial codes for previously certified models
- ii. To include two additional of model series, SLED-MN-400... and SLED-MN-600...
- iii. To assess the equipment against the latest EN IEC 60079-0:2018 / IEC 60079-0:2017 standard:
- iv. To remove EN 60079-28:2015 from the list of applicable standards
- v. The product description and Conditions of Manufacture have been updated to recognise the above modifications.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	12/06/2019	R12548A/00	Prime Issue
1		R12847A/00	Issue of variation 1
2		R15769A/00	Issue of variation 2

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



**CML 19ATEX1312X  
Issue 2**

### **13 Conditions of Manufacture**

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

- i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.
- ii. When installed, the equipment shall be subjected to a dielectric strength test using a test voltage of 1500 Vac applied between the circuit and earth for 60 s. Alternatively, a voltage of 20% higher may be applied for 1 s. There shall be no evidence of flashover or breakdown and the maximum current flowing shall not exceed 5 mA.
- iii. The routine overpressure test shall be carried out in accordance with the static method (IEC 60079-1, clause 15.1.3.1) at the following pressures:
  - 12.6 Bar – LED enclosure (SLED-ME-600300, SLED-ME-600400 and SLED-ME-600500)
  - 15.8 Bar – control gear enclosure (SLED-ME-600300, SLED-ME-600400 and SLED-ME-600500)
  - 12.6 Bar – full enclosure (SLED-ME-250120, SLED-ME-400200, SLED-ME-250180 and SLED-ME-400300)

### **14 Specific Conditions of Use (Special Conditions)**

None.

## Certificate Annex

**Certificate Number** CML 19ATEX1312  
**Equipment** SLED Lighting Fixture  
**Manufacturer** Cortem Group



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

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
A3-6653	1 of 4	0	05/04/2017	SLED series wide area flood light Assembly and External Dimensions
A3-6653	2 of 4	0	05/04/2017	SLED series wide area flood light Ex d and gaskets details Op is Details
A3-6653	3 of 4	0	05/04/2017	SLED series wide area flood light Detail of connection
A3-6653	4 of 4	0	05/04/2017	SLED series wide area flood light Ex d e Details of mounting
A3-7294	1 of 2	0	12/06/2019	SLED series wide area flood light New models / Internal Volumes / Op-Is Details
A3-7294	2 of 2	0	12/06/2019	SLED series wide area flood light New models / Electrical diagram

### Issue 1

Drawing No	Sheets	Rev	Approved date	Title
A3-7461	1 of 1	0	26 Nov 2019	SLED-1001 Floodlight

### Issue 2

Drawing No.	Sheets	Rev	Approved date	Title
A3-8095	1 to 4	0	30/03/2023	Lighting Fixtures Series SLED Assembly and External Dimensions
A4-8157	1 to 4	0	30/03/2023	Technical Note