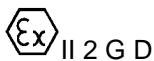




## EC Type Examination Certificate      CML 15ATEX1007      Issue 0

- 1    Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC
- 2    Equipment      **CCA-03Ex Emergency Lamp**
- 3    Manufacturer    **Cortem Group**
- 4    Address          Via Aquileia 10  
                         34070 Villesse  
                         Gorizia  
                         Italy
- 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 9 of Directive 94/9/EC, 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 EC Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 94/9/EC Article 8 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 60079-1:2007      EN 60079-31:2014
- 10   The equipment shall be marked with the following:



Ex d IIC T6 Gb

Ex tb IIIC T85°C Db

Ta = -20°C to +55°C



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## 11 Description

The CCA-03Ex Emergency Lamp consists of an aluminium or stainless steel component approved main enclosure with a threaded cover, and two smaller stainless steel or aluminium enclosures fitted either side with mounting brackets. There are two 1/2" NPT cable entries into the sides of main enclosure, fitted with glands for the inlet and outlet cables, and two 3/8" NPT threads for connection to the two LED enclosures.

The two smaller enclosures are cylindrical in shape with a cover secured to the main enclosure with two fastening screws. The cover has a glass window which is sealed with silicone resin and secured internally with a threaded retaining ring.

There are two 1/2" NPT threaded entries in the base of the main enclosures and as well as an indication LED mounted in an M16 threaded hole.

There are suitably approved cable glands fitted to the main enclosure and the two smaller enclosures with cables passing between to allow connection of the driver circuitry inside the main enclosure to the LEDs in the smaller enclosures. These cable glands and cables are fitted by the manufacturer in accordance with EN 60079-14.

Inside the main enclosure there are two mounting plates, one with the LED driver circuitry mounted to it, and the other is fitted with terminals and a component approved battery pack to allow the LEDs to operate in the emergency mode.

## 12 Certificate history and evaluation reports

| Issue | Date        | Associated report | Notes             |
|-------|-------------|-------------------|-------------------|
| 0     | 18 Feb 2015 | R304A/00          | Certificate issue |

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 parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- 13.2 Each power supply enclosure shall be subjected to a routine hydrostatic overpressure test in accordance with EN 60079-1, clause 16. A pressure of 13.5 bar shall be held for at least 10 seconds. There shall be no detrimental damage observed.
- 13.3 Each LED lamp enclosure shall be subjected to a routine hydrostatic overpressure test in accordance with EN 60079-1, clause 16. A pressure of 12.6 bar shall be held for at least 10 seconds. There shall be no detrimental damage observed or leakage via the cemented joint.
- 13.4 The cables and glands used to make connections between the main enclosure and the two lamp enclosures shall be suitable for the types of protection (Ex d IIC Gb/Ex tb IIIC Db, have a minimum IP66 rating and a minimum service temperature range of -20°C to +70°C.



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**14 Special Conditions for Safe Use (Conditions of Certification)**

None



## Certificate Annex

**Certificate Number** CML 15ATEX1007  
**Equipment** CCA-03Ex Emergency Lamp  
**Manufacturer** Cortem Group

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

### Issue 0

| Drawing No | Sheets | Rev | Approved date | Title                           |
|------------|--------|-----|---------------|---------------------------------|
| A3-6175    | 1 to 3 | 0   | 18 Feb 2015   | Lighting Fixture Serie CCA-03Ex |
| A4-6177    | 1 to 3 | 0   | 18 Feb 2015   | Technical note                  |