



1. **EC-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in
Potentially explosive atmospheres
Directive 94/9/EC**
3. Reference: **VTT 15 ATEX 077**
4. Equipment: **Portable luminaire**
Certified types: **SIAM[®] Star 3LED**
5. Manufactured by: **Atexor Oy**
6. Address: **Puurtajantie 16
FI-60100 Seinäjoki
Finland**
7. This equipment or protective system and any acceptable variations thereto are specified in the schedule and possible supplement(s) to this Certificate and the documents therein referred to.
8. VTT Expert Services, notified body number 0537, in accordance with Article 9 of the Council Directive 94/9/EC of March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. VTT-S-00584-16.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012)
IEC 60079-7 (2015)
EN 60079-18 (2015)
EN 60079-28 (2007)
10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.



11. This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
12. The marking of the equipment or protective system shall include the following:



II 2 G Ex eb mb op is IIC T4 Gb

Espoo, 29.2.2016

VTT Expert Services Ltd



Martti Siirola
Senior Expert



Risto Sulonen
Product Manager



13. **Schedule**

14. **EC-TYPE EXAMINATION CERTIFICATE VTT 15 ATEX 077**

15. Description of Equipment

Rated values

Voltage	24 / 42 V AC/DC or 110 / 230 V AC/DC
Current	max. 16 A
Frequency	0 Hz, 50 Hz or 60 Hz

Construction

SLAM Star 3LED is a portable luminaire that consists of three LED light modules attached on a frame and a main enclosure with a protective cover that also provides a carry handle to the equipment. The light modules have Type of Protection Ex mb op is and the main enclosure has Type of Protection Ex eb. The supply cable of the luminaire is H07BQ-F cable or a cable suitable for heavy industrial use.

The luminaire may have up to two separately “Ex d e” certified sockets for connecting luminaires in series.

-Cooper Crouse-Hinds GmbH	GHG 5118* ** * ****	IECEX BVS 15.0088U
-Cooper Crouse-Hinds GmbH	GHG 54***** ****	IECEX BVS 14.0089U / BVS 14 ATEX E 131 U

The allowed ambient temperature range of the equipment is -20 °C...+40 °C.

Degree of protection

- without socket: IP 66
- with socket: as marked on the Ex certified socket but not higher than IP 66

Drawings and documents Listed in Report No. VTT-S-00584-16

16. Report No. VTT-S-00584-16

17. Special conditions for safe use

None

18. Essential Health and Safety Requirements

Met by the compliance with the standards referred in point 9.

Espoo, 29.2.2016

VTT Expert Services Ltd



Martti Siirola
Senior Expert



Risto Sulonen
Product Manager