



1. **EC-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in
Potentially explosive atmospheres
Directive 94/9/EC**
3. Reference: **VTT 14 ATEX 041X Issue 1**
4. Equipment: **Portable luminaire**
Certified type: **SLAM[®] Hornet EM 1LED**
5. Manufactured by: **Atexor Oy**
6. Address: **Puurtajantie 16
FI-60510 Hyllykallio
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 Ltd, 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 reports no. VTT-S-03263-14.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 (2012)
EN 60079-7 (2007)
EN 60079-11 (2012)
EN 60079-18 (2009)
EN 60079-28 (2007)
EN 60079-31 (2014)



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 e ib mb op is IIC T4 Gb
II 2 D Ex tb op is IIC T90°C Db
IP 66

Espoo, 17.10.2014
VTT Expert Services Ltd

Martti Siirola
Senior Expert

Risto Sulonen
Product Manager



13. **Schedule**

14. **EC-TYPE EXAMINATION CERTIFICATE VTT 14 ATEX 041X Issue 1**

15. Description of Equipment

<u>Rated values</u>	Power	30W
	Voltage	24... 42 V, 110 V... 230 V AC /DC
	Frequency	0 Hz, 50 Hz or 60 Hz

Construction

Portable luminaire with LEDs as a light source supplied by electronic control gears and rechargeable battery for battery back-up operation. LED-module and electronic control gears are moulded with silicone rubber. The whole assembly, LED-module, control gears and battery, together with connecting devices for supply cable has been built into the enclosure made of polycarbonate tube with shock absorbing plastic endplates. The luminaire is fitted with permanently connected cable H07RN-F or cable suitable for heavy industrial use. As an option the luminaire can have a through wiring and Ex ed-certified socket and plug.

Degree of protection

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

16. Report No. VTT-S-03263-14.

17. Special conditions for safe use

As the marking "ib" is for internal protection of NTC-resistor, push button and signal LED circuits in the EM control unit, there is no need for Exi-associated apparatus in the supply of the luminaire.

18. Essential Health and Safety Requirements

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

Certificate history

Issue	Date	Report No.	Comment
-	20.8.2014	VTT-S-03263-14	Prime certificate
1	17.10.2014	-	Adding PC-film on LED-drivers and some minor changes in construction

Espoo, 17.10.2014

VTT Expert Services Ltd



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Senior Expert



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