

1. **EU-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres**
Directive 2014/34/EU

3. EU-Type Examination Certificate Number: **EESF 18 ATEX 063X**

4. Product: **Portable luminaire**

Certified types: **SLAM^X** **Hornet EM 1Led**
Hornet EXIT 1Led
Hornet EM 1Led 3H
Hornet EXIT 1Led 3H

5. Manufacturer: **Atexor Oy**

6. Address: **Puurtajantie 16, FI-60100 Seinäjoki, Finland**

7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Eurofins Expert Services Oy, Notified Body number 0537, 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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. EUFI29-19000462-T1.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

| | | |
|---------------------------|---------------------------|---------------------------|
| EN 60079-0 (2018) | 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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:



II 2G Ex e ib mb op is IIC T4 Gb
II 2D Ex tb op is IIIC T90°C Db
IP66

Espoo, 21.1.2019
Eurofins Expert Services Oy



Ilkka Riihimäki
 Expert



Kari Koskela
 Expert

This document is digitally signed.



13. **Schedule**

14. **EU-Type Examination Certificate EESF 18 ATEX 063X**

15. **Description of Product**

| | | |
|---------------------|-----------|-----------------------------------|
| <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 or, in potentially explosive gas atmospheres, an Ex d e -certified socket and plug.

Degree of protection

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

Product type marking nomenclature

- 'EM', standard emergency version
- 'EXIT', standard emergency version with EXIT sign
- '3H', extended back-up operation time

16. **Report Number**

EUF129-19000462-T1

17. **Specific Conditions of 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**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

19. **Drawings and Documents**

Drawings and documents are listed in the confidential report.

20. **Certificate History**

| Issue | Date | Report No. | Comment |
|-----------------------------|------------|----------------|---|
| - | 20.8.2014 | VTT-S-03263-14 | Prime certificate |
| VTT 14 ATEX 041X Issue 1 | 17.10.2014 | - | Adding PC-film on LED-drivers and some minor changes in construction |
| VTT 14 ATEX 041X Issue 2 | 10.6.2016 | VTT-S-02455-16 | Introduction of a new LED-type and updating the certificate to refer the directive 2014/34/EU |

| | | | |
|-----------------------------|-----------|--------------------|--|
| VTT 14 ATEX 041X Issue 3 | 28.3.2017 | VTT-S-00250-17 | New compound and alternative PCB layout added for LED-modules. |
| VTT 14 ATEX 041X Issue 4 | 31.1.2018 | VTT-S-00152-18 | New LED types and a battery type added. |
| EESF 18 ATEX 063X | 21.1.2019 | EUF129-19000462-T1 | NB name changed from VTT Expert Services to Eurofins Expert Services. New certificate template. New LED Driver versions for extended battery back-up operation time. |