Expert Services

EU-TYPE EXAMINATION CERTIFICATE

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

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

4. Product:

1.

Portable luminaire

Certified types:

SLAINA.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:

 $\langle \epsilon_{\rm x} \rangle$

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.



 $\langle \xi_{\rm X} \rangle$

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13.

Schedule

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

15. Description of Product

Rated values

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

- 1 (1 e/f.)

- 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

EUFI29-19000462-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

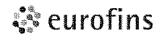
Drawings and documents are listed in the confidential report.

20. Certificate History

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







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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	EUFI29-19000462-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.



