



M&M PROTEK
since 2005

Ficha Técnica

Lanterna Enduro Pro
HAZ-LO ATEX (3 AAA) p/ cabeça
Ref. FAR61428

Descrição:

Lanterna de baixo perfil classificado como Zona 0. Três modos de iluminação para uma variedade de tarefas: Spot para um feixe focado, Flood para iluminar áreas suaves e a combinação spot/flood para ainda mais saída de luz. Cabeça basculante de 45° para leitura. Botão confortável para operar mesmo com luvas e alternar modos ou ligar/desligar. Inclui tira de cabeça elástica, borracha para ajustar ao capacete e 3M® Dual Lock® Velcro para colocação sobre capacetes.



Características:

- Zona 0 classificada para uso em locais perigosos
- 3 Posições de uso, combinado, concentrado (Spot), disperso (Flood):
- Posição combinada Spot/Flood: 235 lúmens, autonomia 4,75 h
- Posição do ponto: 160 lúmens, 73 metros, autonomia 5 h
- Posição de inundação: 160 lumens, 20 metros, autonomia 5 h
- Max Lumens: 235 Max Candelas: 1.320
- Distância máxima do feixe: 73 metros
- Max Candela: 1.320
- Tipo de bateria: 3 x AAA alcalina
- Comprimento: 2,19 polegadas (5,56 centímetros)
- Material: termoplástico muito resistente

Peso em kg: 0,992

Dimensões: Altura: 2" (5,08 cm) Largura: 2,19 pol. (5,68 cm) P: 1,5 pol. (3,81 cm)

lumens: 235

tipo de lanterna: Frontal

Atex: Sim

Alcance: 20 - 75m

recarregável: Não

Autonomia: 5 horas





EU - Type Examination Certificate

- (1) **EU - Type Examination Certificate**
(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 18 ATEX 0101X

- (4) Product: **Intrinsically safe Headlamp type Enduro Pro Haz-Lo**
(5) Manufacturer: **Streamlight, Inc.**
(6) Address: **30 Eagleville Road, Eagleville, PA 19403, USA**

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

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014.34.EU of the European Parliament and of the Council, dated 26.02.2014, 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 number:

18/0101 dated 16.12.2019

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

EN IEC 60079-0:2018, EN 60079-11:2012, EN 60079-28:2015

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) This 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 1G Ex ia op is IIC T4 Ga**

This certificate is valid till: **16.12.2024**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: **16.12.2019**

Page: 1/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 18 ATEX 0101X**

(15) Description of Product:

The product is a portable, battery operated, headlamp. The product is an intrinsically safe apparatus. The product comprises a lamp body with battery cover (red static dissipative plastic) and a switch (black rubber). Inside of the product there are there 1.5V primary alkaline cells size AAA in a battery case and three printed circuit boards with two white LEDs.

Technical parameters:

Dimension: width - 56mm, height - 51mm, depth - 35mm

Ambient temperature: -20°C to +40°C

Degree of protection: IP66

(16) Report Number.: 18/0101


(17) Specific Conditions of Use:

1. The product shall only be opened in a non-hazardous area.
2. The cells type Energizer LR03 or Duracell Duralock MN2400 or Panasonic plus Power LR03 or Panasonic LR03(XJ) or Varta Longlife 4103 or Varta Industrial 4003 or Varta High Energy 4903 size AAA shall only be used in the product.
3. The product shall be properly fixed on the user's head in hazardous area.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 16.12.2019

Page: 2/3



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 18 ATEX 0101X**

(19) Drawings and Documents:

Number:	Sheets:	Rev:	Date:	Description:
C 940153	1	D	15.11.2019	ENDURO PRO HAZ LO HEADLAMP
C 614013	1	G	09.12.2019	HOUSING
B 614014	1	B	02.07.2018	LENS SEAL
B 614015	1	C	30.07.2018	LENS
B 614020	1	C	30.07.2018	POSITIVE CONTACT-B
C 614028	1	C	30.07.2018	BATTERY CASE
B 614030	1	C	03.04.2018	SEAL
C 614032	1	D	25.04.2019	BATTERY COVER
B 614036	1	C	30.07.2018	PLATE
B 614037	1	C	25.04.2019	PLATE COVER
B 614038	1	D	25.10.2018	SCREW
A 614043	1	A	11.07.2019	MARKINGS, ATEX APPROVAL
C 614045	1	A	11.07.2019	ATEX ADDENDUM, INSTRUCTIONS
C 614053	1	A	18.11.2019	SADDLE
B 670015	1	E	30.09.2014	VALVE
PN 614019	9	C	12.09.2018	ASSEMBLY Led1
PN 614025	9	D	12.12.2019	ASSEMBLY Led2
PN 614026	9	A	21.05.2018	ASSEMBLY S1

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 16.12.2019

Page: 3/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.