

HELMET TORCH SYSTEM FOR HEROS-titan



Revolutionary and extremely powerful hi-tech LED beam,
explosion-proof

Ex II 2 G Ex ib IIC T4 Gb

Ex II 2 D Ex ib IIIC T 135°C Db

For HEROS-titan helmet. Comes complete with 3 AAA batteries. A choice of 3 different light levels are available.

The helmet torch is easily detachable and can also be used as a hand torch. Operation with gloves on is also possible.

Weight: 0.13 kg

LED-EXPLOSION-PROOF-TORCH UK3AA TAIL SWITCH CPO ET WITH BATTERIES



The unique LED lasts for thousands of hours and will not break when dropped. A special lens system assures maximum light efficiency.

Features:

- Thermal Recovery System transfers heat from LED to warm batteries for better cold weather performance
- Proprietary Compound Path Optics (CPO) permits high efficiency and compact size
- Push-button tail switch switches light between ON/OFF with continuous or momentary action
- Waterproof design for all weather use IP68
- Beam produces a bright spot with almost no peripheral light so nearby personnel are not affected
- Powered by 3AA / LR6 Alkaline cells
- Certified with Rosenbauer HEROS-xtreme and HEROS-smart helmets
- Can be mounted to any helmet or hard hat using Rosenbauer helmet clips or similar
- High impact PC/ABS/graphite, LEXAN® and polyurethane rubber construction for durability

Technical Data:

Size: 135 x 41 x 36 mm

Colour: graphite black

Burn time: > 8 hours

Batteries: 3 Alkaline AA/LR6

Luminous flux: 110 Lumen

Lamp: white LED

ATEX standards:

Zone 1 SEV 09 ATEX 0154

II 2G Ex e ib IIC T6

II 2D Ex ibD 21 T61°C

Weight: 0.15 kg (batteries included)

6. Instandhaltung/Wartung

⚠ Nehmen Sie keinerlei Änderungen oder Umbauten an dieser Leuchte vor. Wenn die Leuchte repariert werden muss, darf dies nur von geschultem Fachpersonal unter Einhaltung der Bestimmungen gemäß EN 60079-19 durchgeführt werden, um den Explosionsschutz weiter garantieren zu können.

⚠ Zur Aufrechterhaltung der Zündschutzart sind die zulässigen Umgebungstemperaturen einzuhalten. Wurde die Helmleuchte im Rahmen eines Einsatzes abweichenden (höheren bzw. tieferen) Umgebungstemperaturen ausgesetzt, ist die Helmleuchte auf Unversehrtheit zu überprüfen.

⚠ Unsachgemäßer Betrieb der Helmleuchte kann zum Verlust der Garantie führen. Bei der Entsorgung nationale Abfallbeseitigungsvorschriften beachten!

Programmänderungen und Programmergänzungen vorbehalten.

User's Guide Explosion-protected LED hand and helmet torch HL3 Ex

1. Safety instructions:

Target group: Staff trained for areas subject to explosion hazards.

- Do not use the light in zone 0 and 20!
- Note the temperature class indicated on the light!
- Never open the light in areas subject to explosion hazards!
- Changes or modifications to the light are not permitted!
- Use the light for the intended purpose only. Make sure the torch is in perfect working order!
- Only use the original manufacturer's spare parts!
- Repairs that affect the explosion protection properties must, according to EN 60079-19, be performed by a skilled "electrical engineer"!
- Always observe national accident prevention and safety regulations, and the following safety instructions marked with a ⚠ in this User's Guide!

2. Technical Data

EC Declaration of Conformity: TÜV-A 16 ATEX 0005X

Complies with directive 2014/34/EU:

Explosion protection type: Ex II 2 G Ex ib IIC T4 Gb
Ex II 2 D Ex ib IIC T 135°C Db
CE 0408

Illuminant: 3 W Power-LED

Angle of reflected beam: 6°

Rated voltage: 4.5 V

Period of operation: 10 h

Max. permissible ambient temperature:

-22.00°F to 122.00°F* (-30°C to +50°C)*

Specified data:

32.00°F to + 86.00°F (-0°C to +30°C)

(Battery)

Protection type according to EN 60529: IP 67

Protection class according to EN 60598: III

Weight with batteries: approx 0.287 lb. (0.130 kg)

Battery: 3 x LR 03 AAA, according to IEC 60086

Batteries tested for permissible ambient temperature:

Energizer AAA LR03 - 2015

Duracell AAA LR03 - Ultra

Varta AAA LR03 - Industrial

Varta AAA LR03 - Professional

Lifecell AAA LR03 - Alkaline

GP AAA LR03 - Ultra

Ansmann AAA LR03 - Premium

Varta AAA LR03 - Powerone Alkaline

Duracell Procell AAA

3. Conformity with standards

The hand and helmet torch HL3 Ex is suitable for use in areas subject to explosion hazards zone 1, 2, 21 and 22 pursuant to EN 60079-0:2013 and EN 60079-11:2012. It was developed, manufactured and tested according to the current state of the art. The lamp complies DIN 14649, explosion-proof lights for rescue teams.

4. Description and Use

The HL3 Ex helmet and hand torch serves as an

integrated head torch for the Rosenbauer fire fighter's helmet HEROS-titan. When detached from the helmet, the HL3 Ex can be used as a hand torch.

5. Taking into operation

⚠ Never open the hand and helmet torch HL3 Ex in areas subject to explosion hazards!

5.1 Inserting / Changing Batteries

⚠ Never change batteries in areas subject to explosion hazards! (Fig. 1)

1. Unscrew the retaining screw on the bottom side of the helmet torch with a coin.

2. Open the helmet torch.

3. Completely remove all batteries.

Recommendation: Always use batteries of the same manufacturing date.

4. Ensure that the seal is not damaged.

5. Observe correct polarity of batteries as marked in the battery holder when inserting batteries (see paragraph 2, tested batteries).

⚠ Inserting the batteries incorrectly can damage the torch and void your guarantee and warranty.

6. Reassemble the helmet torch in reversed order.

5.2 Fitting to/Detaching from HEROS-titan

• Fitting (Fig. 2) Allow the helmet torch to slot into place at the top first (1), and then at the bottom (2) of the mounting bracket. Make sure the helmet torch is fixed in place.

• Detaching (Fig. 3) Press the "HEROS button" (1), remove the helmet torch (2).

• Before use, make sure the helmet torch is working properly and is undamaged as described in this User's Guide and as required by all applicable regulations for your region!

5.3 Operating the helmet torch

• Switch on the helmet light by continuously pressing the push button at the top of the helmet torch for about 2 seconds (Fig.4). The switch-on delay serves as a protection against the torch from being turned on unintentionally.

• Changing the light intensity: You can select between 3 light intensities by pressing the switch on top of the helmet torch. Reducing the light intensity can be advantageous in situations with etitan smoke development (reduction of self-glare) and leads to a considerable increase in operation time.

• Switch off the helmet torch by holding down the pushbutton for more than 2 seconds (this is a safety function to prevent inadvertent switching off) (Fig.5).

• The mechanical hazard level assumed to be „low“ for the lamp. It was therefore tested with reduced impact strength of 4 J.

6. Servicing/Maintenance

⚠ Do not make any changes or modifications to this lamp. If the lamp has to be repaired, this must be done only by trained qualified personnel in compliance with the regulations in accordance with EN 60079-19 in order to further guarantee the explosion protection.

⚠ To ensure the explosion protection type observe the permissible ambient temperatures. If the helmet torch is exposed to higher or lower temperatures in the course of operations, check the helmet torch for signs of damage.

⚠ Improper use can void your warranty. When disposing of the torch, observe national waste disposal regulations! Program changes and additions reserved.

Manual de instrucciones Lámpara de casco y de mano LED protegida contra explosión HL3 Ex

1. Advertencias de seguridad:

Grupo de destinatarios: Profesionales instruidos para el área de explosión.

- ¡No se debe emplear la lámpara en la zona 0 e 20!
- ¡Se debe observar la clase de temperatura indicada en el casco!
- ¡Solamente se debe abrir la lámpara fuera de áreas con peligro de explosión!