AMMONITE®
SYSTEM

LED ONE

manual

Thank you for choosing LED ONE, diving back up torch manufactured by Ammonite System®.
We hope that our product will meet your expectations, regardless you are a recreational or an experienced technical diver.

We tried to build our products as intuitive as possible, but hopefully, you will find this manual here clear, simple, and easy to follow.
If you do not, or you have any further questions, please check our website www.ammonitesystem.com for more information, or contact us directly.

READ CAREFULLY.
YOUR COMFORT AND SAFETY IS WORTH IT!

PRE-USE DIRECTIONS

Before using the product described in this manual, carefully read all the information contained herein with comprehension. To become familiar with this information is a prerequisite for safe and long-term use.
Before using the product described in this manual, make sure that you have relevant qualifications issued by a registered diving organisation.

PURPOSE

LED ONE is a compact diving back up torch.
It offers a simple and rugged construction, with light output up to 400 lumens and up to 6 hour burn time.

LED ONE body is machined from a solid piece of Delrin®, an exceptionally rigid and durable construction thermo-plastic. The head is made out of hard anodised aluminium, which makes it resistant to abrasion and weather factors.

The LED is protected by 6 mm tempered and scratch-resistant glass.
LED ONE is intended for use underwater as a backup source of light. However, there are no contraindications to its short-term use on the surface.

TURNING ON / OFF

The torch is turned on by tightening the head.
The torch is turned off by its unscrewing the head until it is off. To protect the torch against incidental turning on unscrewing an additional half turn.

Before using the torch, its tightness should be checked by verifying whether all parts sealed with o-rings are correctly tightened.
The o-rings cannot be dirty; any damage, for example, scratches, cracks or cuts can cause flooding and consequently damage the torch.
Three AA primary or rechargeable batteries should be applied appropriately for its power supply.
LED ONE is supplied without the batteries.

To place the battery in the torch, the head should be unscrewed out of the handle; the battery should be placed in such a manner that the (-) pin leans against the spring inside the handle.

STORAGE AND TRANSPORT

LED ONE should be stored and transported with the battery removed, which avoids its possible damage caused by incidental turning on or battery leakage.
Specific directions regulate the carriage of battery-powered electrical equipment.
Before travelling by land transport, air, or sea, please refer to carrier instructions for the batteries transport.

BATTERY CHARGING

In case of use of the rechargeable batteries, please get acquainted with the relevant recommendations provided by the manufacturer.

PRECAUTIONS

LED ONE is a strong source of light.
Looking directly at the light should be avoided!
This may hurt your eyes!
The torch is also a source of UV radiation. Do not expose your skin to light for too long.
The torch is not a toy keep it off children's reach.

Do not use batteries heated up to temperatures of more than 40°C (104°F) – high temperatures can destroy the battery.
Do not leave the torch in the sun. Do not leave the torch next to a heat source.
As a result of that, the batteries can reach a considerable temperature, which may lead to significant gas emission or self-ignition or even its explosion.

Ammonite System® guarantees LED ONE tightness up to the pressure of 309 PSI / 21 atm, which is equal to 656 ft / 200 m depth.
To ensure safety while diving, observe depths limits and do not dive beyond the limits you are authorised to.

Do not use the torch in the case of any visible damage to the o-ring sealing.
It is recommended to check the o-rings located on the head every time the battery is charged.
It is recommended to lubricate the o-rings with silicone grease every several dives.

The o-rings ensure tightness unless they are dirty or damaged (scratched, cracked, having lost their elasticity). Ammonite System® ensures tightness of the torch only when the dimensions of the o-rings being used are compliant with those specified by the manufacturer as proper for a particular torch type.
Do not use the torch in case of flooding (water inside the torch).

REPAIR AND MAINTENANCE

LED ONE does not contain any elements which can be repaired by the user, and so all repairs (excluding o-ring checkout and lubrication, and rinsing the tightened torch in freshwater) should be performed only by designated Ammonite System® service.
For repair and maintenance of the torch, only the components and spare parts supplied by the producer must be used. Components and spare parts from other sources, although identical by all appearances, may have slightly different properties,
which may negatively impact on the performance of the torch.

In case of malfunction or flooding the torch, please refer to the warranty card.

In case of any questions, or if any of the information contained in this manual is not clear, contact the manufacturer for the explanation.

Electrical and electronic components as well as standard or rechargeable batteries used for their power supply can be hazardous for the environment.

The „waste bin" symbol on the product or its packaging indicates that the product may not be treated as household waste.
This product should be disposed of at an appropriate collection point for waste electrical and electronic equipment.



By ensuring adequate storage, you will help prevent harmful effects on the environment and human health. Recycling helps to preserve natural resources.
For more detailed recycling information, contact your local environmental body or the waste disposal company in your area.

After use, the batteries should be disposed of in a special container or sent for further processing to a specially designated place.
Please refer to the local environmental regulations.

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