



LIGHT  
SYSTEMS

# PHOTON



## Halcyon Photon and Mini Photon Light \_User Manual

**HALCYON**

HALCYON™ WORLDWIDE  
DIVE SYSTEMS EST. 96

# Halcyon Photon Light

## Introduction

Congratulations for choosing the Halcyon Photon Light to support all your underwater pursuits! Designed with you—the adventurous diver—in mind, the compact Photon delivers dependable illumination and impressive flexibility. With unparalleled light intensity, your Photon can serve as a recreational primary, an impressive backup, or even as a backup primary for technical dives. The variable battery configurations, adjustable intensity, and convenient form factor can accommodate a wide variety of diving scenarios. Review this manual in order to ensure the proper operation, care, and maintenance of your Photon and enjoy years of reliable performance.



## Product Specifications

/ **Narrow 9° beam angle**, suitable as a primary or backup light for night and recreational diving

/ **Dual power settings**

/ **Cree XM-L2 (U4) LED** delivering up to 1200 lumens

### / Photon

- 2x Lithium-ion 26650 battery (optional)  
High mode (1200 lumens) lasts approximately 3.5 hours, and low mode (550 lumens) lasts about 7 hours.
- 3x Alkaline C battery (included)  
High mode (850 lumens) lasts approximately 3 hours and 20 minutes, and low mode (550 lumens) lasts about 5.5 hours.

### / Photon Mini

- 3x AAA Alkaline battery (included) or optional 1x Lithium 26650
- Provides the same output but at approximately one-half the run times listed above

/ **Regulated power output** to ensure consistent brightness

/ **Overheat protection** to maintain safe operation

/ **Reverse polarity protection** to prevent damage from incorrect battery installation

/ **Twist On/Off** switch mechanism for simple, reliable activation

/ **Triple O-ring sealing** for enhanced waterproofing up to 200 m/656 ft

/ **Aircraft-grade aluminum (AL6061-T6)** housing

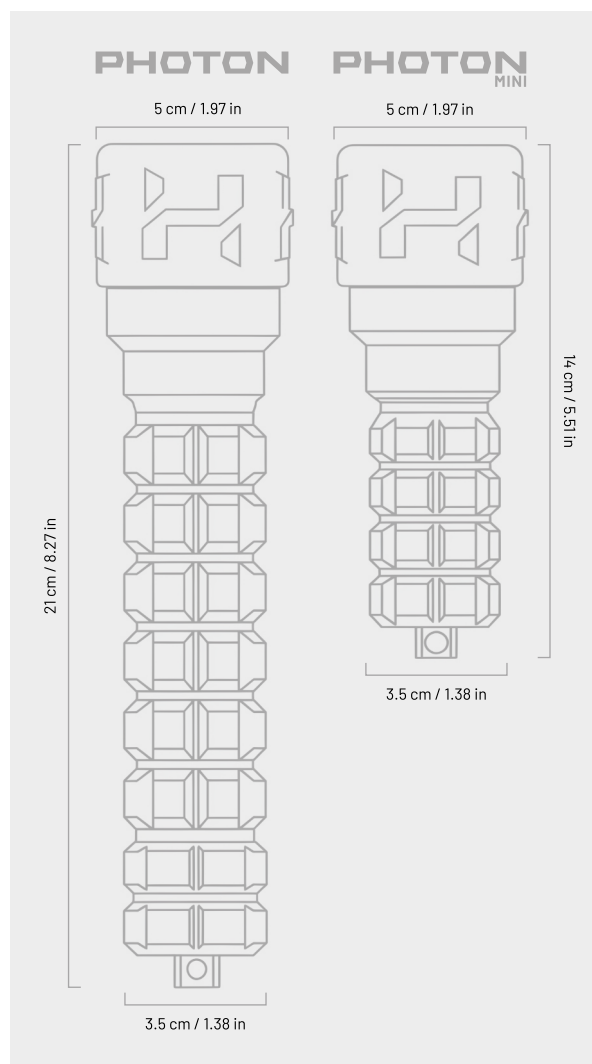
/ **Type III military-grade hard-anodized finish** for abrasion and corrosion resistance

/ **Tempered glass lens** engineered for superior pressure resistance

/ **Accessories: 3 spare O-rings, lanyard and travel case**

/ Both the Photon and Mini Photon lights include an **engraving area where we can laser-mark a name or short text**, depending on the available space.

*Note: Performance may vary based on battery type, environment, and user habits.*



## Measured Lux Values

	3 Cell	2 Cell
Alkaline High	20000	21000
Alkaline Low	13000	13600
Lithium High	29000	28000
Lithium Low	13500	13000

## Operation

The Photon utilizes a mechanical twist switch:

- / Tighten the head fully to turn the light ON
- / Loosen the head to turn the light OFF, but ensure o-rings remain in contact
- / Switch quickly on/off/on to change intensity

Ensure the head is firmly secured before use

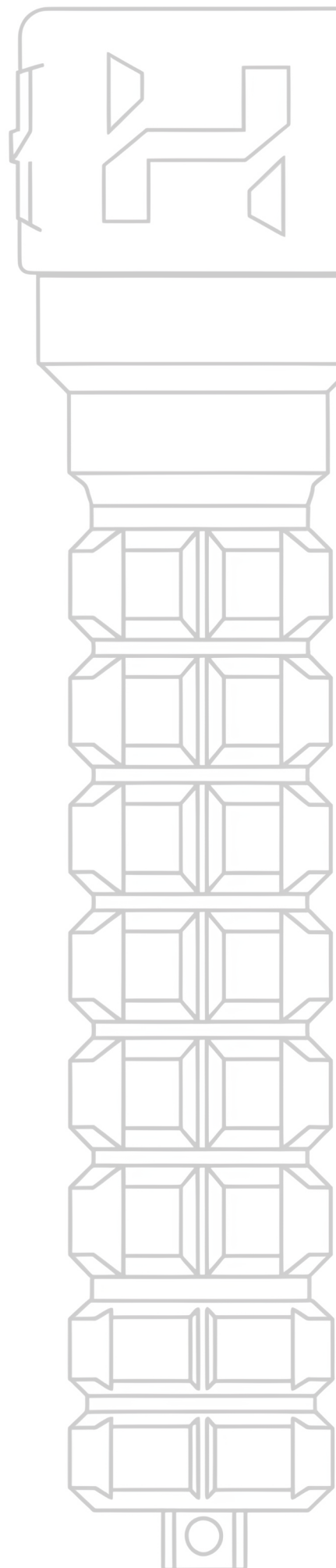
## Maintenance and Care

To ensure safe and reliable performance:

1. Rinse thoroughly in fresh water after each dive and allow to dry completely.
2. Apply a thin layer of silicone lubricant to O-rings and threaded areas regularly.
3. Avoid dropping the light or placing it in sand, which can damage seal surfaces.
4. Inspect O-rings frequently and replace them if worn or damaged.
5. Turn on the light before entering the water.
6. Remove batteries during long-term storage to avoid damage from leakage.
7. Do not attempt to open sealed components, as these are permanently bonded for waterproof integrity.

## Safety Notice

This product emits high-intensity light. Do not shine it into your eyes or look directly into the beam, and, by all means, use extreme caution with it around children.



## Warranty Information

All warranty requests must be accompanied by proof of original purchase from an Authorized Halcyon Dealer. Be sure to save your sales receipt and present it whenever returning your light for warranty service. Halcyon warrants, to the original purchaser only, that the Halcyon Photon will be free of defects in materials and/or craftsmanship under normal diving use for one year from the date of purchase, provided proper care is performed on all materials as described within this manual. Should your Halcyon Photon prove to be defective for any reason (other than those listed in the limitations section below), it will be repaired or replaced (at Halcyon's discretion) free of charge, excluding shipping and handling charges. All correspondence concerning this warranty must be accompanied by a copy of the original sales receipt. Repair or replacement is Halcyon's only responsibility and your only remedy under this warranty.

**WARNING: It is dangerous for untrained and uncertified persons to use the equipment covered by this warranty. Therefore, use of these products by an untrained person renders any and all warranties null and void. Use of SCUBA equipment by anyone who is not a certified diver, or who is not receiving training through a recognized certification agency, shall render void all warranties, expressed or implied.**

ALL WARRANTIES, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO A PERIOD ENDING ONE YEAR FROM THE DATE OF PURCHASE. Some states in the U.S. and certain foreign countries do not allow limitations on the duration of implied warranties, so this may not apply to you. This warranty gives you specific legal rights. You may have rights that vary from state to state and country to country.

HALCYON MANUFACTURING DISCLAIMS AND EXCLUDES ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES IN THE U.S. AND CERTAIN FOREIGN COUNTRIES DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS MAY NOT APPLY TO YOU.

The following restrictions apply to this warranty:

1. This warranty extends to the charger and all light parts.
2. This warranty does not extend to damages caused by improper use, improper maintenance, neglect, unauthorized repairs, modifications, accidents, fire, or casualty.
3. Cosmetic damage, such as scratches, fraying, and nicks, is not covered by this warranty.
4. This warranty does not extend to equipment used for rental, commercial, governmental, or military purposes.
5. This warranty covers products purchased in the United States. For warranties that may apply elsewhere, please contact your local representative.
6. Failure to meet any of the above requirements will render the warranty null and void.



A dark, atmospheric photograph of two divers in a cave. The diver in the foreground is positioned lower, looking towards the camera, while the second diver is slightly higher and further back. The cave walls are rugged and textured, with some light reflecting off the water and rock surfaces. The overall mood is mysterious and adventurous.

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