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› APLOS AP20 Scuba Dive Light Instruction Manual

## APLOS AP20

# APLOS AP20 Scuba Dive Light Instruction Manual

Model: AP20

## 1. INTRODUCTION

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Thank you for choosing the APLOS AP20 Scuba Dive Light. This manual provides essential information for the safe and effective operation, maintenance, and care of your dive light. Please read it thoroughly before use and retain it for future reference.



Image 1.1: The APLOS AP20 Scuba Dive Light, a compact and powerful underwater flashlight.

## 2. PRODUCT FEATURES

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- **High Brightness:** Delivers a maximum of 2000 lumens, providing illumination up to 200 meters (656 feet) underwater.
- **Simple Operation:** Features a user-friendly one-touch magnetic switch for easy control.
- **IPX8 Waterproof Rating:** Designed for underwater use up to 100 meters (328 feet) with enhanced sealed O-rings for superior water resistance.
- **Durable Construction:** Crafted from aircraft-grade aluminum alloy with a tempered glass lens, offering resistance to oxidation, abrasion, and saltwater corrosion.
- **Versatile Applications:** Suitable for diving, fishing, camping, mountain climbing, tactical defense, and night fishing.

# IPX8 Waterproof



Underwater  
100m (328ft)



Beam Distance  
210m (689ft)

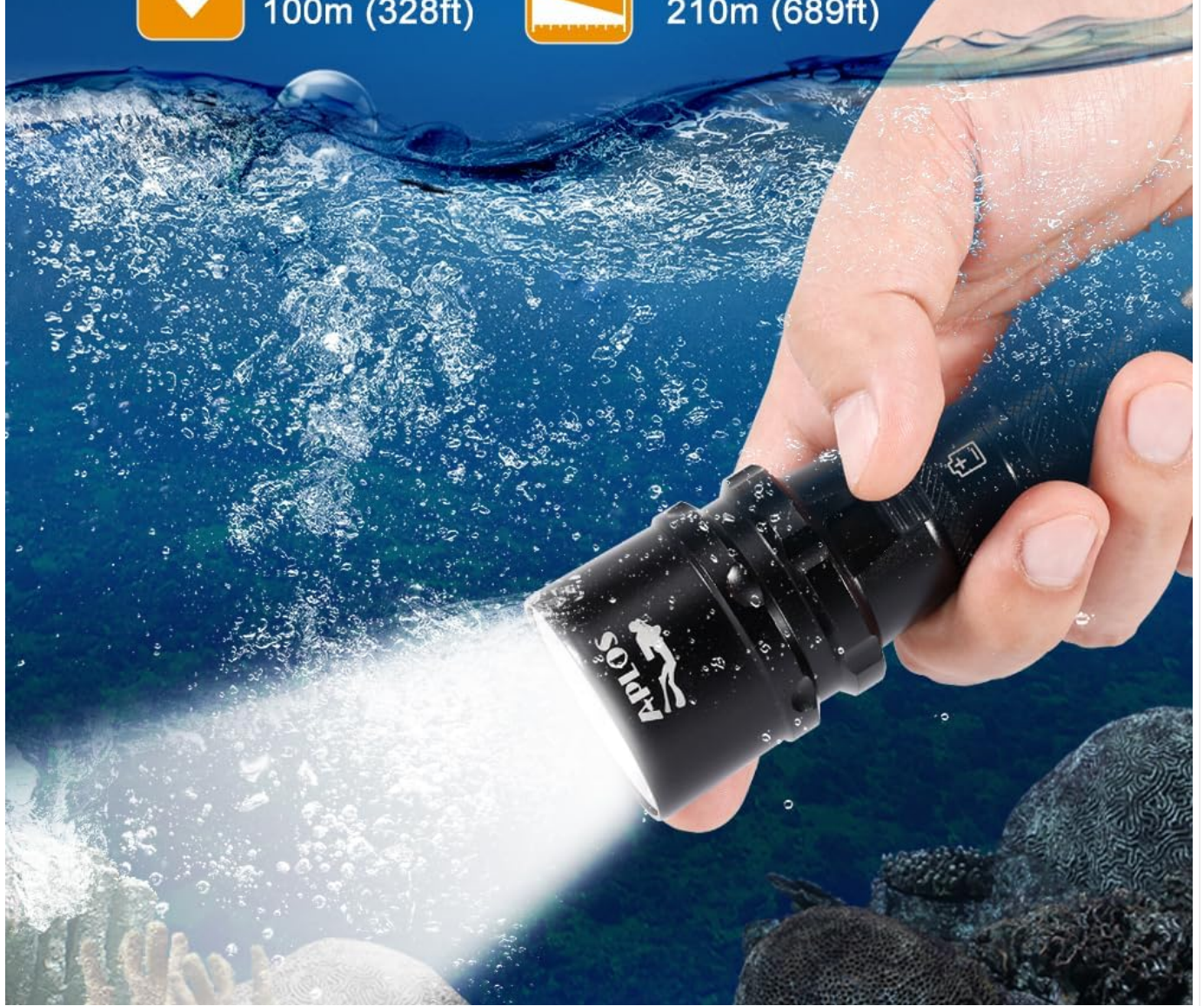


Image 2.1: Illustration highlighting the IPX8 waterproof capability up to 100m (328ft) and a beam distance of 210m (689ft).

# Mini Body High Lumens

1 XM L2-2000 lumens LED bulb with over 50,000 hours lifespan



Image 2.2: Close-up of the APLOS AP20 showing its compact body and the 1 XM L2-2000 lumens LED bulb with over 50,000 hours lifespan.

### 3. PACKAGE CONTENTS

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Upon opening your APLOS AP20 Scuba Dive Light package, please verify that all the following items are included:

- 1 x APLOS AP20 Dive Flashlight
- 1 x Rechargeable Battery (pre-installed or separate)
- 1 x USB Charger
- 1 x USB Cable
- 1 x Wrist Strap
- 4 x Waterproof O-rings (spare)
- 1 x User Manual (this document)

# Packing List

1 x AP20 dive flashlight  
4 x Waterproof o-rings

1 x USB charger  
1 x User manual

1 x USB cable

1 x Wrist strap



Image 3.1: All items included in the APLOS AP20 Scuba Dive Light package, laid out next to the product box.

## 4. PRODUCT STRUCTURE AND COMPONENTS

Familiarize yourself with the different parts of your APLOS AP20 dive light:

# Product Structure

AL-6061-T6 aircraft grade aluminum body, military regulations III hard anodized finish, abrasion and seawater corrosion resistance



Image 4.1: Exploded view diagram of the APLOS AP20 showing its main components: AL-6061-T6 aircraft-grade aluminum body, high transparent tempered glass lens, one-touch switch, and waterproof O-rings.

- **Head:** Contains the LED emitter and tempered glass lens.
- **Body:** Houses the battery and internal circuitry. Made from AL-6061-T6 aircraft-grade aluminum with military regulations III hard anodized finish for abrasion and seawater corrosion resistance.
- **One-Touch Magnetic Switch:** Located on the body for easy mode selection and power control.
- **Tail Cap:** Secures the battery and provides a point for the wrist strap.
- **Waterproof O-rings:** Two O-rings ensure a watertight seal for underwater operation.

## 5. SETUP AND CHARGING

### 5.1 Battery Installation

1. Unscrew the tail cap of the dive light by turning it counter-clockwise.
2. Insert the rechargeable battery with the positive (+) terminal facing towards the head of the flashlight.

3. Carefully screw the tail cap back on clockwise until it is fully tightened. Ensure the O-rings are properly seated to maintain the waterproof seal.

## 5.2 Charging the Battery

1. Remove the battery from the dive light.
2. Place the battery into the provided USB charger, ensuring correct polarity.
3. Connect the USB charger to a power source using the supplied USB cable.
4. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the charger and remove the battery.

## 6. OPERATION

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### 6.1 Basic Use

1. **Turning On/Off:** Rotate the magnetic switch to turn the light on or off.
2. **Mode Selection:** Continue rotating the magnetic switch to cycle through different brightness modes (if applicable). The APLOS AP20 features a simple one-touch magnetic switch for ease of use.

Your browser does not support the video tag.

Video 6.1: This video demonstrates the APLOS AP20 Scuba Dive Light, showcasing its components, waterproof capabilities, and simple magnetic switch operation. It also shows the light in an underwater environment.

### 6.2 Underwater Use

Before each dive, ensure the tail cap is securely tightened and the O-rings are clean and properly lubricated to maintain the IPX8 waterproof rating. The light is designed to operate reliably up to 100 meters (328 feet) underwater.

## 7. MAINTENANCE

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- **After Each Dive:** Rinse the dive light thoroughly with fresh water to remove salt, sand, and other debris.
- **O-ring Care:** Periodically inspect the O-rings for any signs of damage, cracks, or wear. Clean them and apply a thin layer of silicone grease to maintain their elasticity and waterproof seal. Replace damaged O-rings immediately using the provided spares.
- **Battery Care:** Store the battery in a cool, dry place when not in use. If storing for extended periods, charge the battery to approximately 50% capacity every few months to prolong its lifespan.
- **Cleaning:** Wipe the body of the flashlight with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the dive light in a dry, cool place away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Light does not turn on.	Battery is dead or incorrectly installed.	Charge the battery or re-install it with correct polarity.
Light flickers or is dim.	Low battery or loose connection.	Recharge the battery. Ensure the tail cap is fully tightened.
Water ingress.	Damaged or improperly seated O-rings.	Inspect and clean O-rings. Apply silicone grease. Replace damaged O-rings. Ensure tail cap is securely tightened.
Switch is stiff or unresponsive.	Debris or corrosion in the switch mechanism.	Rinse the switch area with fresh water. If problem persists, contact customer support.

## 9. SPECIFICATIONS

Feature	Detail
Model	AP20
Light Output	2000 Lumens (Max)
Light Source Type	LED (1 x XM L2)
Beam Distance	Up to 210 meters (689 feet)
Waterproof Rating	IPX8 (Submersible up to 100 meters / 328 feet)
Power Source	Rechargeable Battery
Material	Aircraft-grade Aluminum Alloy (AL-6061-T6)
Special Feature	Durable, Rechargeable

## 10. WARRANTY AND SUPPORT

APLOS provides a worry-free 24-month warranty for the AP20 Scuba Dive Light. For any questions, concerns, or warranty claims, please contact APLOS customer service.

### Contact Information:

**Email:** [sales@aploslight.com](mailto:sales@aploslight.com)

**Website:** [www.aploslight.com](http://www.aploslight.com)

**Telephone:** 0086 - 15361877162

**Address:** 89 Hao 3 Zhuang 3433 Shi, Shuang Gao Lu, Gao Chun Jing Ji Kai Fa Qu, Nan Jing Shi, China 2113166



Image 10.1: Back of the product packaging showing manufacturer contact details and compliance certifications (FC, CE, RoHS, UKCA).

