

D05 LED Diving Flashlight

Professional Underwater Torch — 6000LM | IPX8 | 80m

Model: D05 | Brand: PANZER

1. PRODUCT OVERVIEW

The D05 is a professional LED diving flashlight delivering up to 6000 lumens from 5 Cree XM-L2 LEDs. Rated IPX8 waterproof to 80m depth, it is designed for scuba diving, snorkeling, underwater photography fill lighting, night hiking, camping, fishing and search & rescue. The body is 6061 aviation-grade aluminum alloy with Type III hard anodizing for maximum durability and corrosion resistance in saltwater environments.

2. TECHNICAL SPECIFICATIONS

Model / Brand	D05 / PANZER
LED	5 x Cree XM-L2
Color temperature	7000K (cold white)
Maximum output	6000 lm
Beam angle	60 degrees
Beam distance	up to 200m
Dive depth	up to 80m
Waterproof rating	IPX8
Drop resistance	1m
Battery	4 x 18650 rechargeable Li-ion (NOT included)
Voltage	3.7V
Switch	Waterproof side press switch
Modes	High / Low / Strobe (long-press 2+ seconds to cycle)
Battery indicator	Blue = sufficient power, Red = low battery
Lens	Tempered glass, 98% light transmittance
Reflector	Aluminum
Material	6061 aviation-grade aluminum, Type III hard anodized
Size	142 x 60 x 53 mm
Weight	450g (without batteries)
Package size	145 x 64 x 58 mm

3. PACKAGE CONTENTS

- 1 x D05 LED Diving Flashlight (rotatable bracket pre-installed)
- 1 x Wrist strap
- 3 x Spare O-rings

Note: Batteries and charger are NOT included.

4. INSTALLATION INSTRUCTIONS

Step 1 — Battery check: Prepare 4 x 18650 rechargeable Li-ion batteries and verify they are fully charged.

Step 2 — Battery install: Unscrew the tail cap counterclockwise. Insert the batteries with correct polarity (positive end first, matching the + marks), then screw the tail cap back on firmly. The O-ring must seat properly.

Step 3 — Bracket mount: To mount on a dive rig, tripod or handle, rotate the bracket clockwise until it locks. To release, rotate counterclockwise.

Step 4 — Power test: Press the side switch to turn on. Short-press to cycle High / Low; long-press (2+ seconds) to switch to Strobe.

Step 5 — Pre-dive check: Confirm the battery indicator shows blue (sufficient). Rinse O-rings and threads with fresh water and tighten the tail cap before entering the water.

5. WIRING DIAGRAM

NOT APPLICABLE — battery-powered flashlight. No wiring or external power connection is required.

6. BATTERY LEVEL INDICATOR

Blue LED — battery level sufficient, safe for continued use.

Red LED — battery level low, replace or recharge the batteries soon.

No LED when the switch is pressed — batteries are empty or not installed correctly.

7. MAINTENANCE AND CARE

After each dive or saltwater use, rinse the flashlight with fresh water and dry it with a soft cloth.

Clean and lightly grease the O-rings and threads periodically with silicone grease to maintain the waterproof seal.

Do not leave the flashlight in direct sunlight or in a hot car for long periods.

Store with batteries removed in a cool, dry place if not used for a long time.

Do not disassemble the head assembly — it is sealed at the factory.

8. SAFETY WARNINGS

WARNING: Use only genuine 18650 rechargeable Li-ion batteries with built-in protection. Do not mix old and new batteries or batteries of different brands.

WARNING: Never look directly into the LED beam — high output can cause eye damage.

WARNING: The flashlight body may become hot during continuous high mode operation. Allow it to cool between uses.

WARNING: Always verify the O-rings are clean, greased and seated before diving. A damaged O-ring breaks the waterproof seal.

WARNING: Charge batteries only with a compatible Li-ion charger. Do not charge damaged or leaking batteries.

WARNING: Do not use the strobe mode near people with photosensitive epilepsy.

WARNING: Keep out of reach of small children — small parts (batteries, O-rings) are a choking hazard.

9. TROUBLESHOOTING

Problem	Solution
Light does not turn on	Check battery polarity, charge level, and that the tail cap is tightened fully.
Light is dim or flashes	Battery level is low — replace or recharge. Clean the contact points inside the tube with a dry cloth.
Water appears inside the lens	O-ring is damaged or not seated — replace the O-ring and re-grease the threads. Do not use until the seal is restored.
Switch is hard to press	Dirt or sand on the switch — rinse with fresh water and dry. Do not force the switch.
Strobe mode cannot be activated	Long-press the switch for at least 2 seconds from the Low mode position.

10. WARRANTY POLICY

This product is covered by a 12-month warranty against manufacturing defects from the date of purchase. The warranty covers defects in materials and workmanship. It does not cover damage caused by misuse, improper battery installation, unauthorized disassembly, water damage due to damaged O-rings, or normal wear and tear.

11. AFTER-SALES SERVICE

If you have any questions about installation, usage or warranty, please contact our after-sales team:

Contact: Jude

Phone/WhatsApp: +86-15915305795

Email: sales01@birtechnology.com

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