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BLUDIVE SP-BD20 Dive Light User Manual

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BLUDIVE

BLUDIVE SP-BD20 Dive Light

Bludive BD20 utilizes the 1*OSRAM led, its max output can reach 1200 lumens, meanwhile, the 6000K LED color temperature provides superb color rendition. SMO reflector emits a very concentrated beam at 7 degrees. There are 3 brightness settings, high-medium-Strobe, and users can change brightness by pressing the stainless steel side switch. Powered by a 1*18650 lithium battery, its max runtime can reach 3H40mins. BD20 is a universal dive light.

Features

- Utilized 1*OSRAM led, Max 1200lm Output
- SMO reflector and AR coated 4mm tempered lens, offer a clear concentrated beam at 7 degrees
- Handy Stainless Steel side switch with built-in indicator, change the modes underwater easily and access the remaining power easily
- 3 brightness settings, qualified as a primary light for recreational divers or as a backup light for technical divers
- Compatible with 1*18650 3400mAh or 2*CR123A Lithium battery, provide high mode with 1H30mins, Medium mode 3H40mins.
- Dual power source, suited for different battery preferences
- Water pressure resistant construction, depth rated to 150meters
- Aircraft-grade high-strength aluminum material
- Reverse polarity protection, to protect from improper battery installation

Specifications

FL 1 STANDARD		High	Medium	Strobe
	Output	1200LM	400LM	1200LM
	Runtime	1h30mins	3h40mins	/
	Beam Intensity	17,600cd	6,880cd	17,600cd
	Beam Distance	869ft 265m	545ft 166m	869ft 265m
	LED	1*OSRAM LED		
	Lens	4mm AR coated tempered glass		
	Battery Source	1* 18650 Lithium/CR123A*2		
	Switch	Stainless Steel Side Switch		
	Impact Distance	1.5m		
	Waterproof	IPX-8 (150 meters underwater)		
	Material	Aerospace 6061 Aluminum Alloy		
	Finish	Premium Type III Hard-anodizing		
	Dimension	5.51"(Length)*1.45"(Head)*0.98"(Tube) 140(Length) *37(Head)*25(Tube)mm		
	Net Weight	4.65oz/132g		

Note:
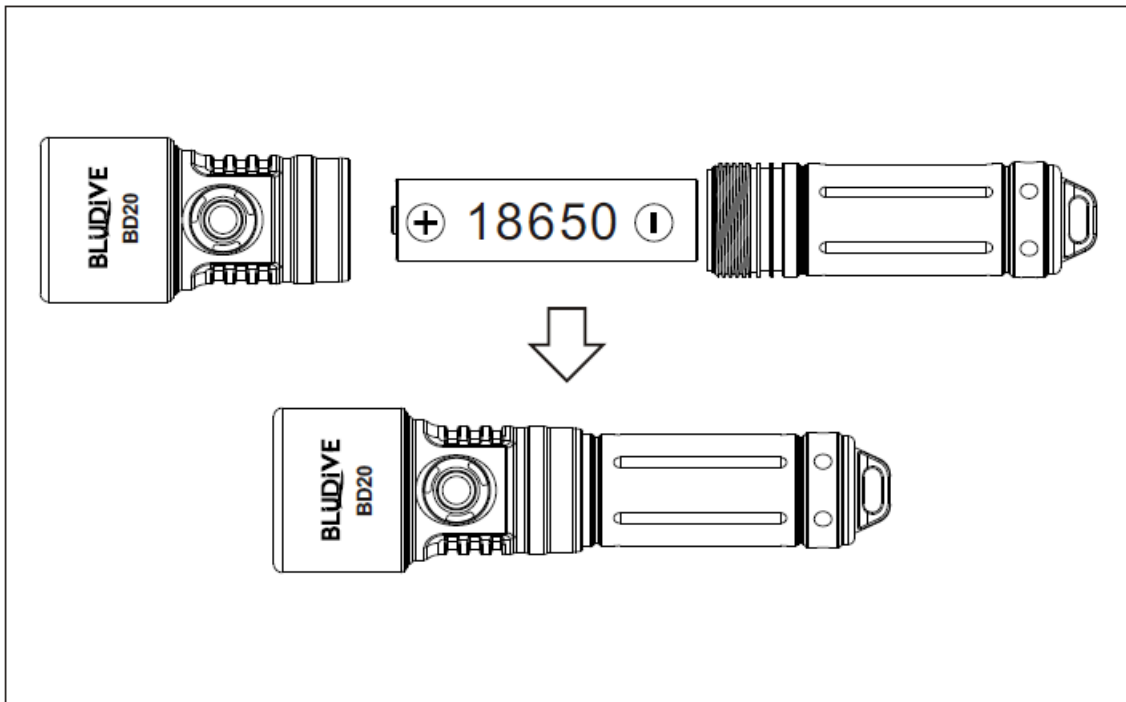The above data has been measured in accordance with international flashlight testing standards ANSI/NEMA FL1 using DLUDIVE 3.7V/ 3400mAh battery under laboratory conditions.

Inside the box

- 1*BD20 dive flashlight
- 1*18650 USB 3400mAh Lithium battery
- 1*USB charging cable
- 1*Diving Lanyard
- 3*Extra O-rings
- 1*User manual

Battery Installation

Please install the batteries in the correct sequence

Note: DO NOT use a battery with a damaged surface or deformation to avoid short circuits, leakage, or explosion….

Operation Instruction

ON/OFF/Change Mode

- After the battery is loaded, press the side switch to switch the light on high, and in the cycle, high medium-strobe-off
- Always starts on High mode

POWER INDICATOR

When turning the flashlight on, the built-in indicator on the side switch will indicate the remaining power as below:

- Green: 100%-30%
- Red: 30%-5%
- Red Flash: 5%-1%

LOCK FUNCTION

- The lock function is designed to avoid unintended /accidental activation of the flashlight.
- If the light is off for more than 3mins, will enter the LOCK state, press the switch and hold 2 seconds to unlock the flashlight.
- Press the switch, the green indicator on, it indicates the flashlight is in LOCKED. You have to UNLOCK the flashlight before usage.

Danger and Warning

- DO NOT shine light directly into the eyes. This may cause temporary blindness or permanent damage to the eyes.
- DO NOT cover the light head when the flashlight is on, or place the light head on the ground. The heat dispersion of the light may cause damage to the flashlight itself or even result in burning other objects.
- Keep out of reach of children.
- DO NOT activate the high mode constantly to prevent the flashlight body from overheating and hurting the user's hand.

Usage and Maintenance

- Please fully charge the battery before initial use.
- Please clean the surface of the flashlight and keep it dry after use
- Please inspect the O-rings before going underwater and replace the O-rings if they are damaged. Please kindly regularly lubricate the Orings with silicon grease so as to not erode the rubber.
- Do tighten all the connections of the flashlight before going underwater
- DO NOT drops or place the dive light on the sand in case the iron sand stick or go into the switch section or screw thread
- Please take out the batteries after each diving
- Please clean the contacts of your flashlight from time to time.
- Please don't disassemble the sealed head, doing so cause damage to the flashlight and affect its waterproof performance.
- If the light will not be used for a long period or when transported, please unscrew the tailcap and remove the battery to cut off the circuit.

Warranty

- The product is provided with a 2-year warranty. For any non-artificial damage, please contact the after-sales department.
- The warranty does not cover normal wear and tear, modifications, misuse, disintegrations, negligence, accidents, improper maintenance, or repairs by anyone other than an authorized retailer or DLUDIVE Itself.

Warranty Card

- Product Model No.:————————————
- Series No.:————————————————
- Date of Purchase:————————————-
- Signature/Dealer Stamp:————————————-

Warranty
This flashlight is covered by a 2-years warranty from the date of purchase. The warranty covers manufacturer defects solely and becomes invalid if the flashlight is subjected to work by an unauthorized party.

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Documents / Resources

	BLUDIVE SP-BD20 Dive Light [pdf] User Manual SP-BD20 Dive Light, SP-BD20, Dive Light, Light

References

- 🌐 **Bludive | Professional Diving Scuba Equipment Supplier | Diving Light**