

Fantasea BlueRay Action Video Light

(Cat. No. 6033)

Instruction Manual

The **BlueRay Action Video Light** is a compact, durable and powerful video light, which was designed to enhance color and lighting in your underwater videos and still images. Its lightweight and compact design allows it to be comfortably integrated into any underwater photo system, such as



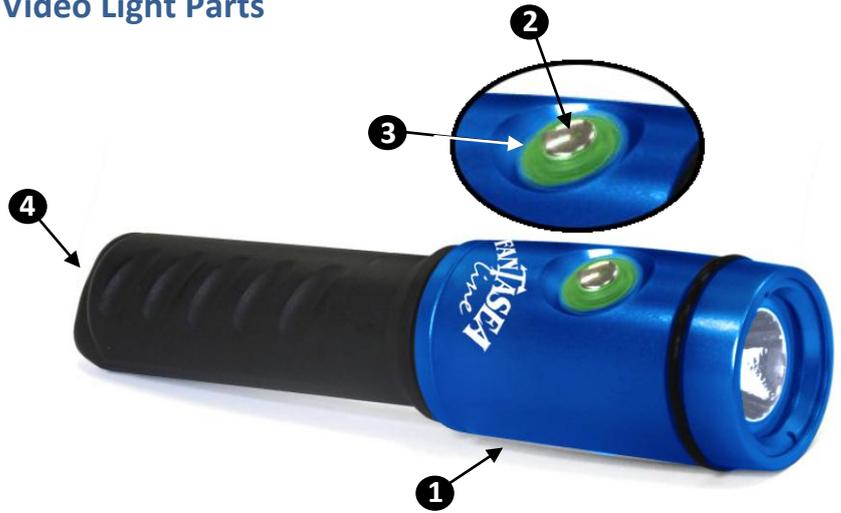
with action cams, amphibious cameras, compact digital housings and more. With a burn time of 160 minutes in full power, the light can be used for a multiple dives without recharging between the dives. A battery power indicator light around the power switch enables easy monitoring of the battery power. Adjustable power output allows controlling the intensity of the beam in various compositions and diving conditions, as well as extending the burn time of the light. Color temperature of the beam is slightly warmer than daylight, which assists with producing vivid and colorful videos without having to use any color correction filters. The light features a wide beam angle of 75 degrees, making it suitable to light a wide range of compositions. Depth rated to 100 meters/330 feet, the **BlueRay Action Video Light** fulfills the needs of both recreational and technical divers.

Specifications

- Depth ratio: 100 meters / 330 feet
- Maximum output: 700 lumens
- Beam angle: 75 degrees
- Material: Aluminum head, Polycarbonate body
- Battery requirements: 1 x 18650 Li-ion battery or 2 x CR123 batteries
- Burn time: 160 minutes at 100% power
- LED Lifespan: 30,000 hours
- Color temperature – approx. 6,000K
- Operation modes: 100% / 50% / 30% power, SOS signal and fast flashing
- Power indicator: Green (100%-60% power), Yellow (60%-30% power), Red (30%-15% power), Flashing Red (15%-1% power)
- Dimensions: 37 x 157 mm (diameter x length)
- Weight: 156g (without battery)
- Includes: Hand lanyard and instruction manual
- Optional YS Mount available – **BlueRay YS Mount A** (Cat. No. 4028)
- Optional Red Filter available - **RedEye Filter ORF37** (Cat. No. 5188)

Identification of BlueRay Action Video Light Parts

- ① LED Head
- ② Power Switch
- ③ Battery Indicator Light
- ④ Hand Lanyard Insert Slot



Instructions for Use

A. Installing & Removing Batteries

- a. Please read the following information and warnings prior to purchasing and installing batteries inside the BlueRay Action Video Light:
 - i. **Only 2 x CR123/CR123A 3-Volt Lithium batteries or a single 18650 rechargeable 3.7-volt Li-Ion battery should be installed inside the light.**
 - ii. **Installation of rechargeable CR123 Li-on batteries inside the light is strictly forbidden, as this will burn out the light and may cause irreparable damage.**
 - iii. **If installing an 18650 battery inside the light, make sure that it features a protective circuit board (PCB). 18650 batteries with a protective circuit board are also known as 19670.**
 - iv. **Warning! Lithium-ion batteries can explode or cause a fire if they are used incorrectly or if they are defective. Therefore, you are recommended to read the following instructions very carefully:**
 - 1) **Each time before using the battery, carefully check the battery and in particular the protective seal/casing to make sure that it is undamaged and intact. If in doubt, take the battery to a chemical waste disposal facility.**
 - 2) **Always handle the battery with care. Never drop the battery!**
 - 3) **Store the battery in a safe and dry place and keep the battery away from all metal objects.**
 - 4) **Never expose the battery to temperatures above 100 degrees Celsius.**
 - 5) **Only use chargers that have specially been designed for use with lithium-ion batteries.**
 - 6) **When charging batteries, keep the charger away from highly flammable materials or products and never leave the charger unattended when in use.**
 - 7) **Please follow the guidelines and restrictions of the batteries you purchase in order to avoid any damage.**
- b. To open the BlueRay Action Video Light, hold the hand grip firmly in one hand with the hand grip pointing towards your body and the LED head pointing away. Turn the LED head clockwise until it separates. Pull the LED head off.

- c. Install or remove 1 x 18650 Li-ion battery or 2 x CR123 batteries inside the body of the light. Make sure to follow the instructions diagrams printed on the interior of the battery compartment and note that batteries should be installed with their positive ends pointed towards the LED head.
- d. Re-install the LED head on the opening, carefully aligning it with the thread on the body of the light and tightening it evenly in a counterclockwise fashion all the way to the end. Do not use force and do not allow it to screw down unevenly.
- e. It is recommended to occasionally apply a slight amount of silicone grease to the black O-ring seal found below the threads of the body of the light prior to replacing the LED head.
- f. Install the hand lanyard on the light by inserting it through the Hand Lanyard Insert Slot on the back of the light, then pulling it through itself and testing it in order to make sure it is secure.

B. Turning the BlueRay Action Video Light On/Off

- a. In order to switch the light on, push and hold the power switch button for a second. Take special care not to stare into the light beam or shine it into the eyes of anyone else, because the light is powerful and could damage ones' eyes.
- b. When the BlueRay Action Video Light is turned on, the colorful light around the power switch button serves as a battery indicator and shows the battery charge level:
 - i. Green (100%-60% power)
 - ii. Yellow (60%-30% power)
 - iii. Red (30%-15% power)
 - iv. Flashing Red (15%-1% power)
- c. In order to switch the light back off, push and hold the power switch button for 3 seconds. The light flashes 3 times and then turns off.
- d. Note that the BlueRay Action Video Light features 5 power output modes in the following order: 100% power output, 50% power output, 30% power output, SOS signal and fast flashing mode. Once the light is turned on, in order to switch between the power output modes, simply push the power switch button. Each time the power switch is pushed, the power mode is altered according to the order of power modes as listed above.

C. Mounting the BlueRay Action Video Light on an Arm

- a. An optional **BlueRay YS Mount A** (Cat. No. 4028) enables mounting the BlueRay Action Video Light on any arm or connector that features a standard YS Mount at the top, such as on Fantasea Flex Arms.
- b. In order to install the BlueRay YS Mount A on the BlueRay Action Video Light, first apply a slight amount of silicone grease on the two O-rings featured on the interior of the YS Mount without removing them. This will allow for a smoother installation.
- c. Remove the hand lanyard from the light.
- d. Install the YS Mount by sliding it on the body of the light, starting from its rear end and all the way towards the LED head, till it reaches a widening and can no longer be slid forward.
- e. If you want to re-install the hand lanyard on the back on the light, then you can do this now.
- f. Remove the screw from the bottom of the YS Mount by unscrewing it all the way out.
- g. Position the BlueRay Action Video Light over the arm so that the YS Mount on top of the arm is aligned with the YS Mount at the bottom of the LED light.



- h. Install the screw all the way through the YS Mount and arm connectors. Tighten it enough to keep the LED light in a fixed position.

D. Care & Maintenance

- a. After each dive, carefully soak and rinse exterior components in fresh water.
- b. Visually examine the two O-ring seals found below the threads of the body of the light prior to replacing the LED head. Any sand, dust or hair lines must be removed from this area in order to ensure a perfect watertight seal.
- c. Store the BlueRay Action Video Light in a protected, dry and shaded area.
- d. Remove batteries when storing the LED light for an extended period of time.
- e. Avoid disassembling any parts of the light other than the LED head.
- f. Please note that there is never a need to use force when closing or opening the light or when turning it on or off.

Fantasea Products Consumer Limited Warranty

“Fantasea” warrants this Fantasea Line branded product against defects in materials and workmanship under reasonable use for a period of ONE (1) YEAR, (two years, where required by law as determined by the origin of the authorized dealer). This warranty is effective from the date of retail purchase from Fantasea or an authorized Fantasea dealer, by the original end-user purchaser (“Warranty Period”). This warranty does not cover any commercial use of the product. If a product defect arises and a valid claim is received within the Warranty Period, at its option, Fantasea, or its authorized service facilities will either (1) repair the product defect at no charge, (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. The warranty will not extend beyond the original warranty period.

Your Fantasea Product should be registered within 30 days of purchase. You must keep the proof of purchase which indicates the date on which the purchase was made; as you may be required to show proof of purchase if you need warranty service. The following conditions apply: 1. This warranty extends to the original purchaser only. It is not assignable or transferable. 2. The warranty does not cover damage resulting from misuse, abuse, negligence, or accidents. Proper maintenance of the Product is the responsibility of the owner. 3. The warranty does not cover damage directly or indirectly resulting from the use of unauthorized replacement parts or service performed by unauthorized facilities. 4. This warranty does not cover any damage to any other product used in conjunction with the Fantasea product, including cameras and lenses, and resulting from any defect in the product materials or workmanship. 5. The cost of sending the product back to Fantasea or its authorized service facilities is the responsibility of the customer. 6. The warranty does not cover any incidental damages resulting from any defects in the product. This expressly includes any travel reimbursements or any other costs associated with the purchaser’s optional use of the product. The conditions of this warranty are expressly in lieu of all other expressed warranties, including the payment of consequential or incidental damages for the breach of any warranty. Please register your product on line at this URL: <http://www.fantasea.com/registration>.

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