

Fantasea Line
Nano LED Pro Set
Operator's Manual



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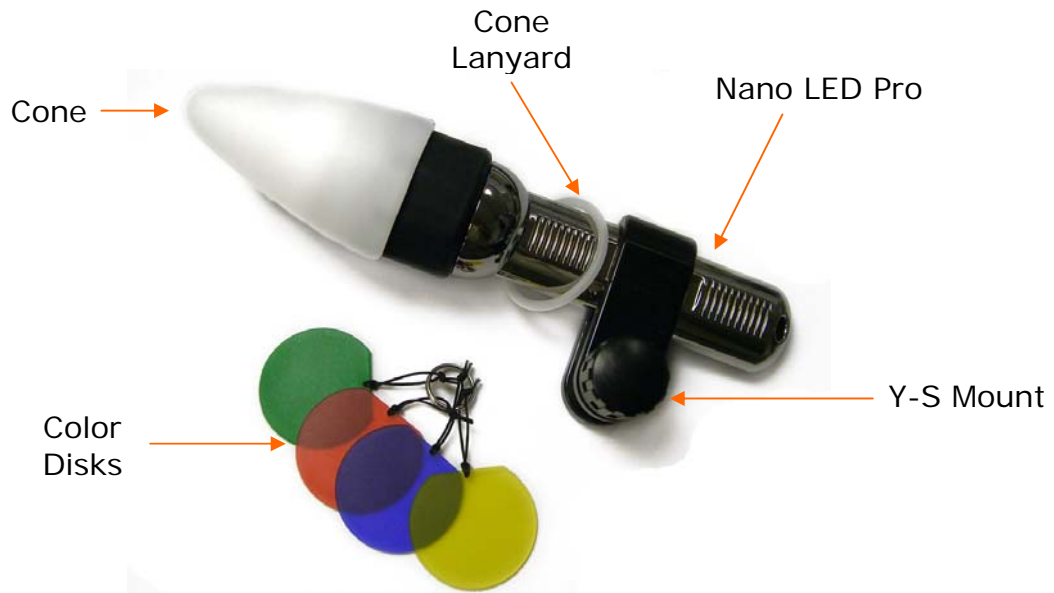
1. Introduction

The Nano LED Pro is a compact and powerful multi-purpose LED light system. The Nano LED Pro Set was uniquely designed to be used as a:

- Powerful diving torch
- Focus light for underwater photography
- Signaling light for above and below water, perfect for diver or vessel identification

This set combines a compact, powerful multi-use diving torch and focus light with a new application, similar to the old "Chemical Stick Lights", but re-usable and environmentally friendly.

Included in the kit are the Nano LED Pro light, white plastic cone with a lanyard, 4 colored disks and a Y-S Mount, which enables easy attachment to Flex or Ball & Joint arms.



2. Installing and Removing Batteries

- A. Prior to installing batteries, the white cone should be removed. Simply detach the cone from the flashlight's head by gently pulling them away from each other. Make sure that when separating the cone from the flashlight, there is no tension exerted on the cone's lanyard, which is wrapped around the flashlight.
- B. To open the Nano LED Pro, hold the hand grip firmly in one hand and turn the flashlight head counterclockwise until it separates. Pull the flashlight head off. Please make sure that the light is pointed in an upward position so the contents do not fall out when opened. Take special care not to stare into the light beam which is very powerful and could damage your eyes.
- C. Gently remove the LED head by pulling it out.
- D. Install or remove the 4 AAA Alkaline batteries carefully.
Please note that this light should not be used with rechargeable batteries. Make sure that you follow the instructions diagram printed on the inside of the light. Note that there are two sets of two batteries, each set pointing in a different direction.
- E. Replace the LED head carefully, making sure that the two protrusions on the inside of the battery compartment correspond with the two niches on the LED head. This is the only way it will fit properly.
- F. Carefully place the flashlight head over the threads, and tighten evenly in a clockwise fashion. Do not use force and do not allow it to screw down unevenly. Take special care not to stare into the light beam which is very powerful and could damage your eyes.

- G. It is recommended to occasionally apply a slight amount of silicone grease to the black O-ring seal found on the flashlight after unscrewing the flashlight head counterclockwise.
- H. In order to attach the cone to the flashlight again, simply cover the flashlight's head with the open side of the cone, so it wraps around it. The cone on the flashlight's head is held in place by friction. There is no need to force the cone down on the rubber light cover, but it should be attached firmly to assure that it is watertight and does not allow water to seep into the cone. The cone is what gives the necessary buoyancy to the Nano LED Pro.

3. Turning the Nano LED Pro On/Off

- A. It is recommended that you detach the cone from the flashlight's head prior to turning the Nano LED Pro on/off in order to prevent tension from being exerted on the cone's lanyard.
- B. In order to switch the light on, carefully turn the flashlight head counterclockwise just enough for the light to turn on. **Once the light is turned on, do not keep turning the flashlight head counterclockwise, or else the watertight seal of the light will be damaged.**
- C. In order to switch the light back off, turn the flashlight head in a clockwise fashion to the end. Please note that there is never a need to use force when closing or opening the light or turning it on or off.
- D. Please note: If you are turning the flashlight head more than half a turn and nothing happens, you are probably turning it the wrong way.

4. Assembling the Cone and Multi-Colored Plastic Disks

- A. Detach the cone from the flashlight's head by gently pulling them away from each other. Make sure that when separating the cone from the flashlight, there is no tension exerted on the cone's lanyard, which is wrapped around the flashlight.
- B. Choose one of the colorful plastic disks included with the kit.
- C. Push the chosen plastic disk into the white plastic cone, until it is positioned inside the dedicated track. Note that the shiny side of the disk should be positioned towards the bottom open part of the cone.
- D. Cover the flashlight head with the open side of the cone, so it wraps around it. The cone on the flashlight's head is held in place by friction.
- E. When turned on, the Nano LED Pro emits a diffused colorful light.
- F. In order to replace the colored plastic, detach the cone from the flashlight head, and pull the disk out from the open side of the cone, by gently pulling the string attached to the disk. Follow steps A-D in order to insert the new colored disk into the cone.

5. Using the Nano LED Pro as a Signaling Device

- A. When turned on, the Nano LED Pro can be used by divers as a signaling device.
- B. Tie the flashlight's hand lanyard to the diver's equipment. The best way to do this is to tie the hand lanyard around the tank valve, where the regulator's first stage is connected to the tank.

- C. Leave as little slack as possible to the hand lanyard, so the light is tied to the tank valve as closely as possible.
- D. Since the cone consists of positive buoyancy, the Nano LED Pro will be pointing up during the dive.
- E. After the dive, detach the Nano LED Pro from the tank valve and soak and rinse exterior components in fresh water.

6. Using the Nano LED Pro as a Night Dive Light

- A. The Nano LED Pro can also be used as a night dive light. Its compact size means that it can easily be stored inside a BCD's pocket and pulled out when necessary.
- B. Prior to the dive detach the cone from the flashlight's head by gently pulling them away from each other. Make sure that when separating the cone from the flashlight, there is no tension exerted on the cone's lanyard.
- C. To get maximum light you should pull the cone off from the end of the rubber LED cover, leaving it free and only attached to the light by the lanyard. Or you can detach the cone's lanyard from the flashlight by gently pulling the flashlight out of the plastic lanyard's ring.
- D. Make sure batteries are properly installed (see section 1: Installing and Removing Batteries).
- E. After the dive, carefully soak and rinse exterior components in fresh water.

7. Specifications

- Batteries: 4 x AAA batteries
- Burn time: Up to 2 hours per set of batteries
- LED life time: Over 10,000 hours
- Luminous intensity: Over 50 lumen
- LED type: 3W High-power LED
- Color temperature: 5,000-10,000K
- Color of torch: Metallic coated finish
- Color of light: Clear, yellow, green, blue and red
- Size (mm): 36(W) x 36(D) x 132.5(H)
- Weight: 83 grams (not including batteries)
- Depth ratio: 100 meters/330 feet

- You must carefully soak and rinse exterior components in fresh water after each use.
- Store in a protected, dry and shaded area.
- Remove batteries when storing for an extended period of time.

For further information please contact us at info@fantasea.com or visit our website at www.fantasea.com