

Troubleshooting

Light does not come on after loading batteries

- Make sure batteries are oriented in the right direction.
- Make sure lamp is pushed all the way into the socket.
- If lamp module is extremely hot, wait for it to cool down while the thermostat resets. Then, turn it on again.
- Replace fuse.
- Make sure bottom contact plate is oriented properly.
- Lamp is broken. (LC100 makes a faint ticking sound for a few seconds when switch is turned on, but light does not ignite)

Light does not come on immediately; takes time to get to full brightness

- This is normal. The light takes 20-30 seconds for full brightness when it is cold. It will take less time when it is warmed up.

Switch will not rotate

- Pull safety lock outward (see diagram on opposite side)

Light goes out and will not come on again

- You might have accidentally turned the light off. Make sure switch is in OFF position (clockwise rotated). Wait at least 3 seconds before turning light on again.

Light flickers and changes color

- This is normal when the batteries are nearly drained. Replace batteries.

Light changes color slightly when pointing at different angles up and down

- This is normal. The light may change color slightly depending on the angle of the light.

Light leaked, filled with water

- Open light immediately, remove batteries, rinse with fresh water, let components dry, remove main o-ring, reassemble and return to UK for service or replacement.

Specifications

| | |
|---------------------------|-------------------------------------------------------------------------------------------------------------|
| Power: | 25 (equivalent), 12.5 (actual) watts |
| Lamp: | HID Metal Halide |
| Lamp Life: | 500 hours |
| Color Temperature: | 6000 degrees Kelvin |
| Luminous Flux: | 450 lumens |
| Burn Time: | 3-4 hours (alkaline batteries) 2.2 hours (optional UK nicad pack) |
| Charge Time: | 10-12 hours with optional UK Nicad Pack |
| Voltage: | 10 volts |
| Current: | 1.25 amps |
| Battery: | 8 x Alkaline C-cell, UK Nicad Pack, 8 x Nicad batteries, 8 x NiMH batteries |
| Restart time: | 3 seconds |
| Beam width: | 6 degrees (optional video wide angle filter included) |
| Safety Features: | Thermostat shutdown for overheating, fuse protected, polarized battery chamber, isolated electronics. |
| Fuse: | AGA-2 (Spare included) |
| Maximum Depth: | 500 feet water |
| Grip: | Pistol or Lantern style |
| Materials: | Tough, non-corroding ABS, TPE and polycarbonate plastic |
| Size: | 3.2 dia x 8.2 inch |
| Weight: | 2.5 lbs |

Limited Lifetime Warranty

UK International products are engineered for maximum performance and durability. All products carry a Limited Lifetime Warranty to the original retail purchaser to be free from defective material and workmanship under normal and intended use. In addition, the UK International Limited Warranty covers materials used in its products to the original purchaser, from the date of purchase, as follows: plastics for 10 years; fabrics and rubber for 3 years; rechargeable batteries for 90 days; and lamps for 30 days (batteries and lamps are not manufactured by UK International).

In the event the original retail purchaser detects a defect in the material or workmanship, the product along with proof of purchase date should be returned to an authorized UK International dealer or directly to UK International with the postage prepaid. UK International agrees to repair or replace at UK International' sole discretion any product found to be defective in material or workmanship within the time period specified above. For the complete Limited Lifetime Warranty write to UK International.

Address all correspondence and returns to:

UK International
13400 Danielson Street
Poway, CA 92064



Light Cannon 100 HID Dive Light



Utilizing the latest HID lighting technology, the Light Cannon 100 emits a beam of light as white as the Sun and penetrates water farther than any conventional halogen or xenon dive light.

Instructions

PN Z420207 rev 7/10/06

Light Cannon 100 Instructions

Thank You

Thank you for purchasing the Light Cannon 100. It is a major advancement in hand held lighting. Unlike standard flashlights, the lamp does not use a glowing filament of tungsten for the light source. Instead, light is emitted from a very small glowing ball of ionized gas. As a result you will get 3 times as much light from a set of batteries and the light will be much whiter enabling it to travel farther underwater.

Handle Insertion

Slide the handle into the dovetail groove next to the switch. Tighten the screw located inside the pistol grip or at the base to the lantern grip. **Test the handle to make sure that it will not slide out of the groove.**

Loading Batteries

Load 8 alkaline C-cell batteries into the light as shown in the diagram. When inserting the contact plate be sure to observe the alignment arrows. Make sure the + and - contacts of the batteries match the + and - marked in the light. If any cell is loaded backwards, the light will not turn on. Insert the lamp module and reflector. Make sure the O-ring is clean. Screw on the bezel until it is tight and compresses the O-ring.

Rechargeable Batteries and UK Rechargeable Nicad Pack

In addition to disposable alkaline batteries the LC-100 can also be powered by the UK Rechargeable Nicad Pack or 8 individual C-size rechargeable nicad or NiMH cells.

When using the UK Rechargeable Nicad Pack, the spring contact plate should be removed from the case. Use the spring supplied with the Nicad Pack. The rechargeable battery pack is charged by inserting the charge plug from the charger into the socket on the end of the battery pack. Charge the pack 10-12 hours or until the pack begins to feel warm. For maximum burn time charge the pack immediately before use. It is not necessary to completely discharge the battery pack before recharging. Less time will be required to charge a partially discharged pack. A battery pack

stored for several months will need to be charged and discharged several times for maximum burn time to return.

Switch

Pull the switch lock outward as shown. Rotate the switch counterclockwise to turn the light on. It will take approximately 20 seconds for the light to come to full brightness. Rotate the switch clockwise to turn the light off. You must wait at least 3 seconds before turning the light back on again or it will not light. Push the switch lock inward when the light is off in order to prevent accidental activation. *NOTE: Turning the light ON and OFF often will shorten the life of the lamp slightly. It is better to leave the Light Cannon 100 ON than to switch it ON and OFF repeatedly during a dive.*

O-ring Care

Each time the case is closed, make sure that the Main O-ring is clean and the sealing surfaces it touches are clean and free from scratches. Lightly grease the O-ring with silicone grease, place it on the case and screw the bezel down tightly to compress the O-ring.

Fuse Replacement

Remove the Reflector and Lamp Module from the Light Cannon case. Unscrew the two screws from the rear plate on the Lamp Module. Remove the fuse from the socket. If the filament in the fuse appears broken or the glass is blackened the fuse is burned out and should be replaced with the spare AGA-2 fuse stored in the Lamp Module. New fuses are available at hardware and auto parts stores. Insert the replacement fuse in the socket, replace the rear plate using the two screws.

Wide Angle Video Filter

The LC100 can be used as a video light. For wide smooth illumination open the LC100 and insert one or two Wide Angle Filter disks in front of the reflector (as shown in drawing) before replacing the Bezel. Each filter makes the beam wider to match the coverage of a medium wide angle lens. The color temperature of the light will be similar to daylight.

