

# Manual

LIGHT TECHNOLOGY,  
FOR SERIOUS DIVERS!





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## **Welcome:**

Thank you and congratulations on the purchase of your new UW Light Dude light. Just like you, we are divers. We live for exploration and finding new caves and wrecks. Our lights were born from needing brighter, longer burning, and more dependable lights for exploration. We have designed a very high quality canister light using the latest LED technology. From the ground up, all components used in the design such as LEDs, optics, electronics, canister material, sealing glands and battery voltage/size/chemistry, have been specifically selected to build the best light.

A key feature of the design is that there are no moving parts to fail, such as on/off toggles or twisty style O-ring mechanisms (LD-13-DR models have a toggle switch with switch boot). The on/off and power level control is conveniently activated by a non-mechanical Piezo switch milled into the hard anodized alloy head. Even with the canister lid open, the battery is sealed in its own watertight environment (NiMH battery packs are not sealed in the canister). Turning the light on/off is simply a matter of pressing the Piezo button for 3 second, so the canister can be mounted where ever you want (not just where you can reach it). To switch between the three different light settings press the Piezo switch for one second.

**\*Warning\*** Batteries have a large amount of stored energy and are potentially hazardous. Handle properly and with care.

**\*Warning\*** Read carefully and follow the directions for your particular battery type. Batteries contain stored energy and can suddenly and violently release that energy.

**\*Warning\*** Use only the battery charger provided. UW Light Dude lights have different battery options and not all UW Light Dude chargers are compatible with your battery.

**\*Warning\*** Battery packs may cut power without warning. Li-Ion packs have built in over discharge protection.

**\*Warning\*** Over discharge of battery packs may cause damage. If the light dims or begins to flash the battery pack needs to be charged.

**\*Warning\*** Do not look directly or point directly at another person's eyes when connecting the power connectors or turning the light on. The lights are very bright and can potentially cause damage.

**\*Warning\*** When passing other divers ensure that the light is completely directed away from them. The beam on UW Light Dudes lights are full all the way to the outer edge of the beam and can potentially blind other divers.

## **Maintaining and Care for your light**

UW Light Dude products are designed to be rugged and require a minimum of care.

### **Canister Cap O-ring:**

1. Before latching the canister cap to the canister the canister cap O-ring should be inspected for cuts, nicks, cracks, dust, and debris.
2. The O-ring should be replaced if cuts, nicks, or cracks are present.
3. The O-ring does not require grease or oil. If grease or oil is used to prolong the life of the O-ring, excess grease or oil should be removed with a cloth.
4. Excessive grease or oil can cause the seal between the canister and canister cap to be impaired.
5. When securing the canister cap to the canister ensure that wires are completely inside the canister and that the power connector ('s) are lying flat before engaging the latches.

## **Power Connectors:**

1. The bend of the power connectors is intentional and part of the design. Do not straighten the connectors as damage or seal integrity degradation may occur.
2. Each end of the power connectors has an indentation for connecting and disconnecting. Place your thumb and finger on each indentation to pull the connectors apart or push them together.
3. The connectors fit together one way. Ensure that the connectors are aligned properly.
4. Do not disconnect the power connectors by pulling on the wires. This may cause damage.
5. Do not grasp the connector in the middle as this may make connecting and disconnecting more difficult and/or cause damage.

## **Charger & Battery Pack:**

1. Always follow the directions for the charger that came with your UW Light Dude model.
2. All chargers should be plugged into their power source before connecting them to their power pack.
3. Li-Ion battery packs should only be charged when needed and removed when the charger indicates a full charge.
4. Li-Ion battery packs should not be “topped off” before use. Li-Ion will maintain their charge for up to or more than a year.
5. NiMH battery packs should be left on their chargers until they are to be used.
6. NiMH chargers provide a trickle charge after the battery pack is fully charged to properly maintain the pack until used.
7. If NiMH packs are removed from their chargers and not used they should be topped off before use or every 30 days, whichever comes first.
8. NiMH chargers have two power settings. The lower .9 setting should be used whenever a longer charge time is acceptable.
9. The NiMH chargers high power 1.8 setting should only be used when a fast charge is needed.



## **Transportation & Storage:**

1. When transporting to and from the dive site the power connectors should be disconnected. If something presses against the Piezo switch, with power connected, it is possible the light can be accidentally turned on and drain the battery.
2. When the power is first connected to the light head the light will turn on. This is to ensure the light is working properly. To turn the light off push and hold the Piezo switch for more than three seconds.
3. To turn the light on again push and hold the Piezo switch for more than three seconds.
4. To change light levels push the Piezo switch for one second.
5. When using the light out of the water the lowest light setting should be used.
6. If the light is used outside the water and the internal temperature, of the light head, gets too high the light will turn the power down to the lowest setting.
7. After the light has sufficiently cooled the power can be turned back up to the higher settings by pushing the Piezo switch for one second. To move to the next power setting the switch will need to be pushed again for one second. Holding the Piezo switch will turn the light off.
8. The light should be stored in a cool dry place.

9. Storing the light in a vehicle during hot weather can damage the battery pack.
10. The canister cap should be kept on the canister when the light is stored, with the power connectors disconnected, to keep dust and debris out of the light.
11. When diving in salt water the entire light should be thoroughly rinsed in fresh water and dried before removing the canister cap or storing the light.

## **Attaching the canister and light head:**

The canister comes set up with two ways of being connected to dive gear.

1. The first is the blue one inch webbing that can be connected to another piece of webbing such as the waist strap. The lower end of the webbing has shock cord to make attaching and removing the canister easier. If the shock cord is not desired it may be removed and the lower hose clamp can be threaded through the bottom loop of the canister webbing.
2. The second attachment option is the two loops of shock cord. Double ender bolt snaps, quick links, or other hardware may be used to connect the shock cord loops to the dive gear. The loops work well for back mounting which is the preferred method of most side mount divers or to a back plate which is common with many wreck divers.
3. When back mounting the canister the blue webbing can be run under the crotch strap to stabilize the canister and keep it from moving around.
4. The light head snaps in and out of the Goodman handle clip. The clip is very durable and will maintain pressure to secure the light head for many years. Align the indentation part of the light head with the clip arms and push the light head straight down into the clip.

5. Clips may be purchased separately for mounting the light head to helmets, scooters, or other accessories.
6. The Goodman handle has a bolt snap attached so it may be stored on a D-ring while the head is mounted to another accessory.
7. The Goodman handle comes with both a hard and soft handle. Only one handle can be used on the Goodman handle at a time.
8. The hard Goodman handle has two threaded holes for storing the screws when the handle is not being used.
9. The orientation of the soft handle is important to ensure it remains tight. The plastic clip has an indentation that should face down when threaded through the slots of the Goodman handle.

| Model:              | LD-15-54 | LD-15-96 | LD-15-144 | LD-26-96 | LD-26-144 | LD-13-DR | LD-15-DR |
|---------------------|----------|----------|-----------|----------|-----------|----------|----------|
| Burn Time Setting 1 | 3hrs     | 5.5hrs   | 8hrs      | 3.5hrs   | 5.25hrs   | N/A      | N/A      |
| Setting 1 Lumen     | 1500     | 1500     | 1500      | 2600     | 2600      | 1300     | 1500     |
| Burn Time Setting 2 | 4.8hrs   | 8.7hrs   | 13hrs     | 6hrs     | 9hrs      | N/A      | N/A      |
| Setting 2 Lumen     | 1150     | 1150     | 1150      | 1750     | 1750      | N/A      | 1150     |
| Burn Time Setting 3 | 10.5hrs  | 18.6hrs  | 28hrs     | 20hrs    | 30hrs     | N/A      | N/A      |
| Setting 3 Lumen     | 650      | 650      | 650       | 650      | 650       | N/A      | 650      |

## **Limited Warranty**

### **Limited Warranty**

UW Light Dude hereby warrants that the products manufactured, supplied or repaired by the Company shall be free from material defects in materials and workmanship (exception: Battery Packs) for a period of 36 consecutive months after the date of shipment.

Exception: UW Light dude hereby warrants that the Battery Packs manufactured, supplied or repaired by the Company shall be free from material defects in materials and workmanship for a period of 12 consecutive months after the date of shipment.

### **Limitation of Remedies**

UW Light Dude and Distributor acknowledge and agree that the Distributor's sole remedy under this Limited Warranty shall be the repair or replacement of the Products or any components thereof which are determined by UW Light Dude to be materially defective in material or workmanship or, at the sole option of UW Light Dude, the refund of the purchase price of the Products in question. UW Light Dude shall not be liable for injury to property other than the Products themselves.

### **Disclaimers from Warranty**

THIS LIMITED WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE OF THIS LIMITED WARRANTY AS TO THE FITNESS OF THE PRODUCTS HEREUNDER FOR ANY PARTICULAR PURPOSE. UW LIGHT DUDE HEREBY DISCLAIMS ANY WARRANTY, WHETHER EXPRESS OR IMPLIED, THAT THE PRODUCTS HEREUNDER ARE MERCHANTABILITY.

### **Products Covered by This Warranty**

This limited Warranty shall extend to the Products and components thereof manufactured, supplied or repaired by the UW Light Dude,

but shall not extend to the products, parts or equipment supplied by other manufacturers and used by the UW Light Dude to manufacture, supply or repair the Products, which shall be warranted only for the period, purposes and conditions extended by such manufacturers to UW Light Dude.

**Automatic Termination of Warranty Obligations**

Any obligation of UW Light Dude under this Limited Warranty shall automatically and immediately terminate, without notice from or any further action by UW Light Dude and UW Light Dude shall have no responsibility for damages of any kind as a result of any of the following:

- (i) Accident, misuse, abuse or negligent use of the Products or any component thereof;
- (ii) Any repair or alteration of the Products or any component thereof made outside UW Light Dude's facility, except by an employee of UW Light Dude authorized to do so;
- (iii) Improper installation or operation (including both mechanical and electrical) of the Products or any component thereof;
- (iv) Failure to provide normal maintenance of the Products or any component thereof

**Limitation of Damages**

UW Light Dude shall not be responsible for, nor does this Limited Warranty extend to, any consequential or incidental damages or expenses of any kind or nature, regardless of the cause thereof or any knowledge which UW Light Dude may have regarding the probability of the occurrence of such damages or expenses including, without limitation, injury to persons or property, loss of use of the Products, lost goodwill, lost resale profits, work stoppage, impairment of other goods, breach of contract, negligence or such other actions as may be deemed or alleged to be the cause of a loss or damage to the Distributor, its agents, sub-distributors, customers or any other persons.