

Orcatorch ZD710MK2 Review

Note: I received this lamp free of charge from the Orcatorch Amazon seller in exchange for writing a review. I was asked to provide honest feedback. The seller had no influence on this review and did not ask me to portray the lamp in a positive way. Regardless of the outcome of the review, I am allowed to keep the lamp.

Package Contents

The ZD710MK2 comes in a practical, very sturdy zippered box that can also be used as a transport case. Inside the box you will find the lamp itself, a 21700 battery with an integrated charging port, a wrist lanyard, pre-greased spare O-rings, and a charging cable.

First Impression

My very first impression was: “Quite large compared to the Orcatorch D710 and similar lamps.” However, the size is clearly due to the zoom function (stepless adjustment from spot to flood). Like other Orcatorch products, the lamp is very well made and constructed from cleanly and nicely anodized aluminum. The only place where the lamp can be opened is sealed with **three (!) O-rings**. The lamp feels good in the hand and is easy to operate.

Use

To mount the lamp on my hand, I tested it together with the optional **WS02 Wrist Strap**. This keeps both hands free—in my case, for photography.

The light can be set to three different brightness levels. The single switch cycles through the modes by repeatedly pressing it:

OFF → High → Medium → Low → OFF

Pressing and holding the switch activates **Turbo mode**, regardless of the currently selected brightness level, which makes the light even brighter. When you release the button, the lamp returns to the previously selected brightness level. This is practical and familiar from other Orcatorch lamps. The difference between **High** and **Turbo** is relatively small, however. According to the manual, the output is **880 lumens (High)** and **1500 lumens (Turbo)**.

The battery charge level is indicated by LEDs integrated directly into the switch:

- **Green:** >30%
- **Red:** 10–30%
- **Flashing red:** <10%

Accidental activation during transport can be prevented by pressing and holding the button to activate the **lock mode**. The lamp signals the lock with two flashes. Unlocking is done by **double-clicking** the button, which is also confirmed by a double flash.

The official light output rating of **880 lumens (High mode)** initially disappointed me. However, once I turned the lamp on for the first time, all doubts disappeared. In **spot mode** (the stated **4° beam angle** seems accurate), the beam is extremely bright and, in complete darkness, reaches several hundred meters thanks to the highly focused beam.

In humid air it feels like being **Darth Vader with a lightsaber**—especially underwater when particles are present. One noticeable characteristic is that the light beam has virtually **no diffuse halo**, resulting in a very sharp edge, similar to the light of a slide projector—just round. At first this took some getting used to, but it was not disturbing at all, contrary to my initial concerns during early tests on land.

I tested the lamp during **two ice diving trips**, and it worked absolutely reliably, never letting me down even under these harsh conditions. After **three ice dives totaling well over an hour of use at maximum brightness**, the LED indicator turned red, meaning the battery was still at **10–30% capacity**. The runtime is therefore absolutely sufficient for a full day of diving—especially if the lamp is not left on continuously—or for a long night dive.

The only somewhat inconvenient part was putting on and fastening the **Wrist Strap** while wearing thick drysuit gloves. The manufacturer might consider rounding the end of the Velcro strap instead of leaving it cut straight at a right angle, which would make threading it through easier.

I also really like the ability to **charge the battery directly via USB**. That means you can even afford to forget the charger at home.

Conclusion

The **Orcatorch ZD710MK2**, especially when used with the optional Wrist Strap, is a very practical and robust dive light. After several weeks of use, I still cannot say whether it will replace my current favorite, the **Orcatorch D710**. The latter is smaller and lighter, but it does not offer a zoom function.

Important Notes

- Since the lamp uses **21700 batteries with an integrated charging port**, standard 21700 batteries (a few millimeters shorter) will **not fit**.
- In **flood mode**, the lamp is theoretically suitable for video recording, but due to the very sharp beam edge it is not ideal. Especially for wide angle, there are better solutions for that purpose.
- When the lamp is **locked** and you press the button, nothing happens. This could give some users the impression that it is defective. A double flash—similar to when activating the lock—would be helpful as an indicator: *“I am locked, but not broken.”*