

**JW Fishers Mfg., Inc.**

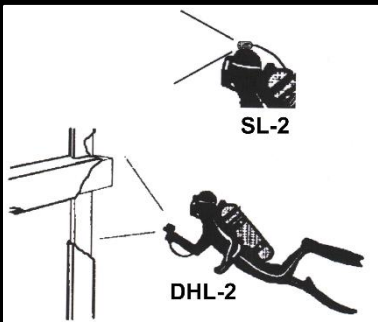
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# Data Sheet

## Underwater Light Systems



DHL-2



SL-2

- **Very compact lighting system**
- **Economically priced**
- **1,000' depth rating**
- **Surface powered for continuous operation**
- **150' – 1,000' cable with u/w connector**
- **Powerful 1500 lumen LED lighting**

### System Information

- Standard light - 1500 lumen LEDs
- Cable - 6 conductor, urethane jacketed
- Operating depth - 1,000 feet (300m)
- Sealing - Urethane
- Voltage requirement - 100-240 volts AC
- Power Requirements - less than 100 watts

### Dimensions and Weights

- DHL-2 dual underwater light - 9"L x 5.5" D - 2 lbs. (air)
- DHL-2 dual underwater light - 9"L x 5.5" D - 12 oz.(water)
- SL-2 single underwater light - 4"L x 2.25"D - 0.5 lbs. (air)
- SL-2 single underwater light - 4"L x 2.25"D - 2 oz. (water)
- Cable - 0.25"D x 150' - 1,000'L - 6-40 lbs. (air)
- Cable - 0.25"D x 150' - 1,000'L - 2-13 lbs. (water)
- Topside LED control box - 9" L x 7.25"W x 4.25"D - 3 lbs.

DHL-2 and SL-2 lights are the second generation of JW Fishers popular underwater lighting systems, upgraded in 2016 with high intensity LED technology. These lights are ideal for any of the numerous underwater structure inspections encountered by today's commercial diver. They are surface powered to provide continuous lighting for extended underwater operations. The DHL-2 Diver Held Light has two light housings mounted to a solid grip handle letting the diver control the direction of the light beam and the distance to the lighted object. The SL-2 is a single underwater light that can be mounted on a divers helmet or attached to any underwater structure. Several SL-2 lights can be ganged together for those applications where additional light is required, or when its necessary to illuminate the underwater site from many angles. Both the DHL-2 and SL-2 are depth rated to 1,000 feet.

Each light housing contains a high intensity 1500 lumen LED. The intensity of the LED lights can be increased or decreased from the surface controller. Each light has a single-source COB (chip on board) LED which emits light from a single plane eliminating problems previously experienced with the multi-LED type light source. These lights enhance picture quality and maintain a constant color temperature throughout the entire range of illumination. Another key advantage of the LED lights is their significantly longer lifespan compared to quartz halogen lights.

The light housings are constructed of high-impact, corrosion proof epoxy and urethane and weigh only a few ounces in the water. Included with each system is an abrasion resistant 150 foot cable and underwater connector (DHL-2) at the light. The topside LED controller is powered by 100-240 volts AC. To ensure diver safety, only low voltage DC is sent down the cable to the underwater light. The DHL-2 and SL-2 can be powered by a small generator or by a 12 volt battery with the use of an inverter.

Options for the system include: an inverter which allows the system to be powered from 12 volts DC and up to 1,000 feet of cable.