

# Ocean Presence Technologies



## High-Powered Underwater Lighting System

High-powered LED lighting system to compliment their Ultra-high-definition underwater cameras. Each OPT-HPL lighting module emits 60 watts of white light covering 90-degrees in both horizontal and vertical directions. The highly compact modules can be daisy-chained to cover a wider area. The system can support up to four modules over a single underwater power cable. Wet-mateable connectors can also be employed to connect lights directly to cameras (on some models), thus additional cabling to the surface may not be required.

Each LED module has a 316 marine-grade stainless steel housing with temper glass lenses and is rated to 180 feet (55 meters) or more. Designed with overheating and reverse connection protection, the lights operate within a wide 10-30 VDC range making possible longer cable installations and operation from batteries.

Designed for vibration and shock resistance, the lighting is intended for long-term underwater deployment. In addition, the lights are coated with a special anti-biofouling protective film that maximizes the long-term performance of underwater lights. The eco-friendly foul-release coating enhances luminosity by increasing emitted light organization while decreasing its scatter. The nontoxic release coating prevents barnacles and algae from colonizing on underwater surfaces.

With high luminous efficiency and more than 50,000 hours of product life, the OPT-HPL can operate underwater for years with minimal maintenance.

For more information and pricing, please send inquiry to [oceanpresence@gmail.com](mailto:oceanpresence@gmail.com)

## Underwater Lighting System Features

- Up to 128 watts (32watts per module)
- Rated to 180 feet (55 meters)
- Horizontal Light Beam: 90 degrees per module
- Vertical Light Beam: 90 degrees
- Built-in lighting controller
- Power cables up to 660 feet (200 m)
- Underwater-mateable network/power connectors allowing housing to be removed for maintenance (on some models)
- Number of daisy-chain modules: 1-4
- Overheating & Reverse Connection protection
- 316 Marine Grade Stainless Steel housing
- Foul-release Coating: Eco-friendly, light enhancing
- Power consumption: 32 W max.per module @ 24 VDV
- LED Life: 50,000 hours
- Size: 7.75" x 1.25" (196 mm diameter x 33 mm)
- Weight: 2.3 lbs (1.04 kg)
- Maintenance: 1-2 years

## Accessories

- Custom mounting system
- Remote switch controller
- Battery power w/solar recharging
- Anti-theft, tamper-resistant locking mounting



**OceanCam™ Specifications**