



arctic rays

LANTERNFISH

Programmable Battery-Powered LED Light

Lanternfish is a programmable LED light designed for standalone underwater operation down to 1,000 meters. It includes an integral rechargeable Li-Ion battery pack and control electronics which provide constant current, variable-brightness drive to the main LED, as well as a programmable intervalometer, which allows the user to create pre-set lighting schedules. Using the included Windows-based PC software, Lanternfish's on-board real-time clock is synced with the user's PC clock. Parameters including start time, stop time, on-period, off-period, and brightness level are set by the user. This scheduling functionality allows Lanternfish to be synchronized, without the need for external cables or connections, to timed video cameras, still cameras, or other oceanographic field sensors. A built-in magnetic reed-switch also allows the user to operate the Lanternfish manually while on-deck or underwater.

	Lanternfish
Model Number	AR103
Depth Rating	1,000m (3,300ft)
Size	51mm dia. x 105mm L (2in dia x 4.125in L)
Output Lumens	235 lumens @ 5650K cool-white (Various colors and white color-temperatures available)
Beam Angle	120° (Other beam angles available: 9°, 21°, 39°)
Battery	5,200mAh Lithium-Ion with over-charge/discharge protection and integral charging circuitry
Charger	Will recharge from a standard USB port or external 5VDC @ 500mA.
Dimming	Linearly variable brightness level from 0-100%
Endurance	Dependent on brightness level and duty-cycle. Typical runtimes continuous: 7 hrs @100%, 14 hrs @50%, 28 hrs @25%, 4 days @5%
Configuration Interface	USB 2.0 via Windows-based graphical configuration software (Waterproof external connector available)
Scheduler Parameters	start time/date, stop time/date, on-time, off-time, brightness level

