



# Dragonfish Strobe

## Compact LED Strobe



*Patented driver delivers increased lumen output with less power draw in the smallest package.*

**U.S. Patent #10054287**

### FEATURES

- ▶ High-output 30,000-lumen strobe with patented driver technology
- ▶ Extremely compact package with integral driver electronics
- ▶ 1,000m- or 6,000m-rated versions
- ▶ Wide-angle or narrow-beam option
- ▶ Ideal for AUV/ROV/HOV digital still photography or wherever a high-output, compact strobe is needed
- ▶ Simple trigger-controlled pulse length
- ▶ Fast repetition rate
- ▶ Optional independent secondary quench line
- ▶ Customizable color temperature
- ▶ Durable, hard-anodized 6061 aluminum housing
- ▶ Wide input supply
- ▶ Pulse intensity, rep rate, max pulse duration and color temperature can be customized

*Technical specifications on reverse*

*Expertly designed underwater lighting and imaging equipment*

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# Technical Specs

## Dragonfish Strobe

| PARAMETER   | DRAGONFISH 1,000M  | DRAGONFISH 6,000M  |
|---|--|--|
| Model Number                                      | ARI01-S  | ARI01-S  |
| Depth Rating                                      | 1,000m (3,300ft)   | 6,000m (19,700ft)  |
| Input Voltage                                     | 9–32VDC  | 9–32VDC  |
| Max Input Current (@ 28V DC)                      | 550mA  | 550mA  |
| Strobe Quench Signal Input                        | 5V TTL (active low)  | 5V TTL (active low)  |
| Max Pulse Duration                                | 100us–5ms  | 100us–5ms  |
| Max Pulse Repetition Rate                         | 10Hz–2Hz   | 10Hz–2Hz   |
| Output Lumens (5ms Pulse)                         | 30,000Lm   | 30,000Lm   |
| Color Temperature (CCT)                           | 2,700–6,500K   | 2,700–6,500K   |
| Color Rendering Index (CRI)                       | 70 min. (optional 80 min.)   | 70 min. (optional 80 min.)   |
| Beam Angle (FWHM)                                 | 100°   | 100°   |
| Beam Angle with Optional Lens                     | 65°  | 65°  |
| Window Material                                   | Acrylic  | Sapphire   |
| Housing Material                                  | Aluminum, 6061-T6, AHC black   | Aluminum, 6061-T6, AHC black   |
| Size  | 78mm L x 70mm dia.   | 78mm L x 70mm dia.   |
| Weight  | 600g (air); 318g (seawater)  | 700g (air); 420g (seawater)  |
| Operating Temperature                             | -10°C to 40°C  | -10°C to 40°C  |
| Standard Connector Pinout<br>(Impulse LPMBH-4-MP) | 1: GND<br>2: +V<br>3: Strobe (5V TTL, active low)<br>4: Quench (5V TTL, active low) (optional) | 1: GND<br>2: +V<br>3: Strobe (5V TTL, active low)<br>4: Quench (5V TTL, active low) (optional) |

