



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
- ▶ Independent secondary quench line
- ▶ Customizable color temperature
- ▶ Durable, hard-anodized 6061 aluminum housing
- ▶ Wide input supply
- ▶ Unhoused OEM electronics option
- ▶ Pulse intensity, rep rate, max pulse duration and color temperature can be customized.

Technical specifications on reverse

Expertly designed underwater lighting and imaging equipment

arcticrays.com
info@arcticrays.com • 567-343-2374

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, Black AHC | Aluminum, 6061-T6, Black AHC |
| Size | 78mm L x 70mm dia. | 78mm L x 70mm dia. |
| Weight | 600g (air); 318g (seawater) | 700g (air); 420g (seawater) |
| Operating Temperature | -10°C–40°C | -10°C–40°C |
| Standard Connector Pinout (Impulse LPMBH-4-MP) | 1: GND 2: +V 3: Strobe (5V TTL, active low) 4: Quench (5V TTL, active low) | 1: GND 2: +V 3: Strobe (5V TTL, active low) 4: Quench (5V TTL, active low) |

