



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

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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 Pattern (FWHM)	100°	100°
Beam Pattern 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)

