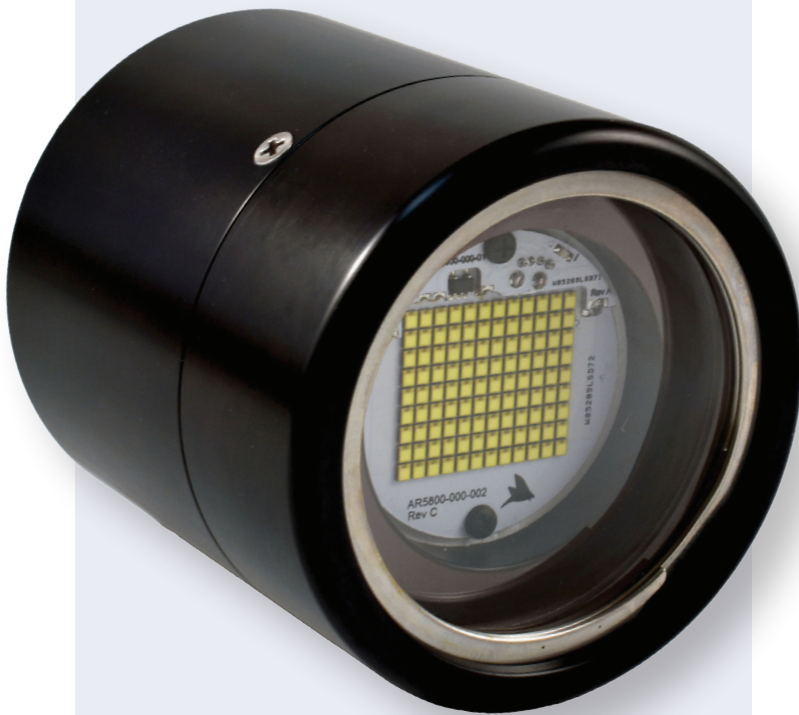


DragonFish Strobe

LIGHTING
SERIES



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

U.S. PATENTS
#10054287 & #10704766

Compact LED light

Features

- ▶ High-output, 30,000-lumen, strobe with patented driver technology
- ▶ Extremely compact package with integral driver electronics
- ▶ 1,000-m- or 6,000-m-rated versions
- ▶ Wide-flood or focused-beam option
- ▶ Ideal for HOV/ROV/AUV 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, pulse intensity, rep rate and max pulse duration
- ▶ Durable, hard-anodized 6061 aluminum housing
- ▶ Wide input supply

Technical specifications on reverse.

Arctic Rays specializes in deep-sea lighting and imaging systems and other custom solutions specifically for use on AUVs, ROVs, manned submersibles and other offshore and underwater structures.

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ARCTIC RAYS
SUBSEA TECHNOLOGIES

DragonFish Strobe

Technical Specifications

PARAMETER	SPECIFICATION
Model Number	AR101S
OPTICAL	
Output Lumens	30,000 Lm
Color Temperature	2,700K 3,000K 3,500K 4,000K 5,700K 6,500K
Color Rendering Index	70 min. standard; optional 80 min., 90 min.
Beam Angle (FWHM)	100°
Beam Angle with Optional Lens	65°
ELECTRICAL	
Input Voltage	9–32 VDC
Power	16 W pulsed
Max Input Current	550 mA @ 28VDC
Max Pulse Duration	100 μ s – 5 ms
Max Pulse Rep Rate	10 Hz – 2 Hz
Efficacy	1,875 Lm/W pulsed
Connector	LPMBH-4-MP standard; MCBH-4-MP opt.
Std. Connector Pinout	1: GND 2: +V 3: Strobe (5V TTL, active low) 4: Quench (5V TTL, active low) (opt.)
ENVIRONMENTAL	
Depth Rating	1,000 m (3,300 ft) or 6,000 m (19,700 ft)
Temperatures	-10°C to 40°C operating; -25°C to 85°C storage
MECHANICAL	
Size	78 mm L x 70 mm dia.
Weight	1,000m: 600 g in air; 318 g in seawater. 6,000m: 700 g in air; 420 g in seawater
Window Material	1,000m: Acrylic. 6,000m: Sapphire
Housing Material	Aluminum, 6061-T6, AHC black

