



Dragonfish Torch

Compact, Ultra-Bright LED Light



FEATURES

- ▶ High-output 10,000-lumen continuous, dimmable torch light for professional HOV/ROV/AUV imaging applications
- ▶ Extremely compact package with integral driver electronics
- ▶ 1,000m- or 6,000m-rated versions
- ▶ Wide-angle or narrow-beam option
- ▶ 24VDC supply (standard); high-voltage DC and AC options available
- ▶ Multi-drop RS232 (up to 250 soft-addresses) or analog dimming control
- ▶ User-settable PWM dimming frequency allows flicker-free operation for various video frame rates
- ▶ Automatic thermal self-protection
- ▶ Durable, hard-anodized 6061 aluminum housing
- ▶ Various white temperatures and monochrome color options
- ▶ Straight or low-profile connector option
- ▶ Unhoused OEM electronics option

Technical specifications on reverse

*Expertly designed underwater
lighting and imaging equipment*

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

Technical Specs

Dragonfish Torch

PARAMETER	DRAGONFISH 1,000M	DRAGONFISH 6,000M	
Model Number	ARI01-T	ARI01-T	
Depth Rating	1,000m (3,300ft)	6,000m (19,700ft)	
Input Voltage	12–38VDC	12–38VDC	
Max Power Draw	105W	105W	
Dimming Control	RS232 or Analog 0–10VDC	RS232 or Analog 0–10VDC	
Output Lumens	10,000Lm (Vin > 20V)	10,000Lm (Vin > 20V)	
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.)	
Static Color Options	Far Red (730nm) Red-Orange (612nm) Blue (470nm)	Photo Red (660nm) Amber (590 nm) Deep Blue (455nm)	Red (625nm) Green (525nm)
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. (flood) 84mm L x 70mm dia. (narrow)	78mm L x 70mm dia. (flood) 84mm L x 70mm dia. (narrow)	
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; MCBH-4-MP optional)	1: GND 2: +V 3: RS232 RX (from host) 4: Analog Dim (0–10VDC)	1: GND 2: +V 3: RS232 RX (from host) 4: Analog Dim (0–10VDC)	

