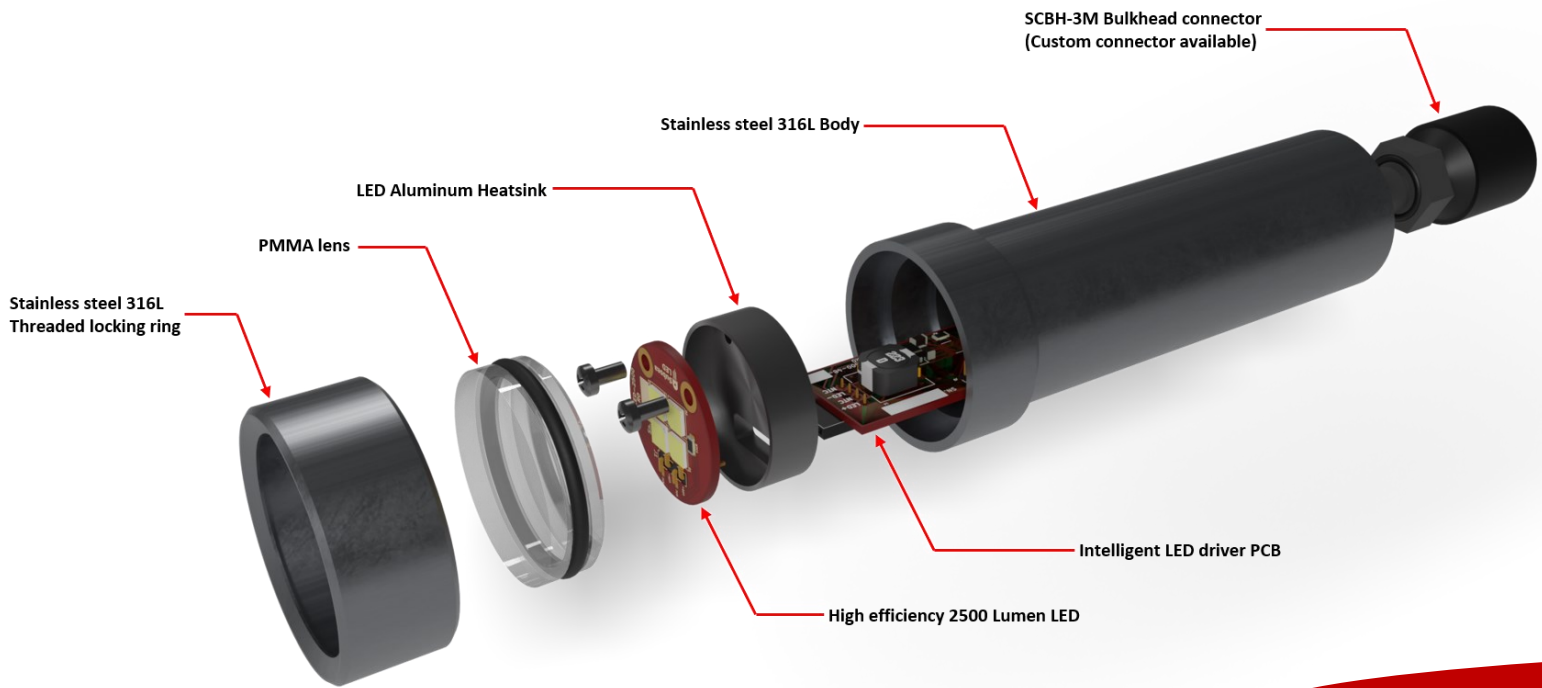


PRODUCT FEATURES



- High Efficiency BRIDGELUX LED array
- Color Rendering Index > 80
- Equipped with our “State Of Art” Led driver
- Wide input voltage range
- Flicker free dynamic intensity control
- Short circuit and over temperature protection
- Analogue and PWM intensity control options
- Wide 120° diagonal beam angle
- Various LED colour temperatures available
- 2000m depth rating
- Compact and rugged stainless steel design
- Two year manufacturers warranty (extended options available)
- Fully customizable on client request

Applications:
Suggested for **DIVING**
ROV, AUV and general underwater use



PART NUMBER

Format: LED-2500-48-XXX

Type	Typical Luminous Flux	Max Input Voltage	Control Type
LED	2500: 2500 Lumen (CRI 80)	48: 48Vdc	005: 0-5 Vdc
			010: 0-10 Vdc
			024: 0-24 Vdc
			PWM: Servo PWM 1100uS – 1900uS (Bluerov2 compatible)
			ONF: Simple ON-OFF
			2WI: Power and dimming over 2 Wire (0% at 12Vdc – 100% at 24Vdc)

SPECIFICATIONS

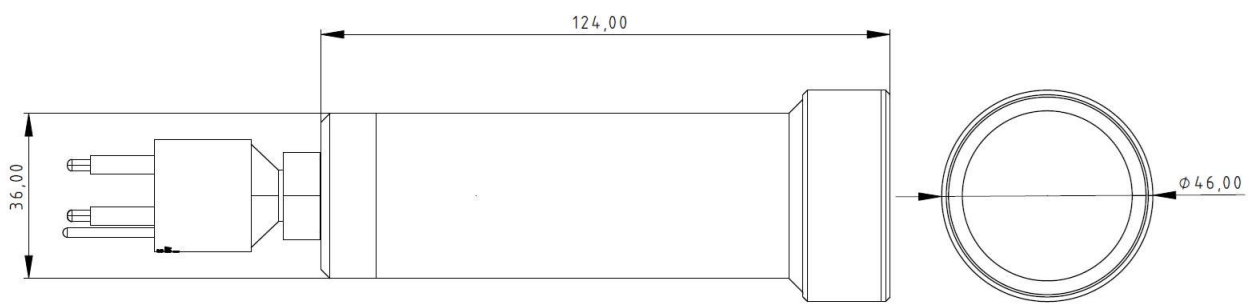
Electrical	Input power	LED-2500-48-XXX	600 mA @ 24Vdc max.
Working condition	Depth Rating	2000m	
	Storage Temperature	-20°C to +70°C	
	Operating Temperature	-10°C to +40°C	
	Housing Material	Stainless steel AISI 316L	
Optical	Window	PMMA	
	CRI (color rendering index)	80 (90 available on request)	
	Beam Angle	120 Degrees	
	Typical Colour Temperature	5000 Kelvin (other options available)	
	Lumen Maintenance	60,000 hours	
Mechanical	Models	All 2500 Series	
	Dimensions	46mm (front-end), 36mm (body) (d) x 124mm (l) (excluding connector)	
	Weight	495gr in air (230gr in water)	
	Thermal Cut-off *	Yes	
	Typical Beam Angle	120°	
	Standard Connector	SCBH3M (other connectors available on request)	

Specifications subject to change without notice.



* WARNING: Unit surface may become very hot to the touch during operation. Do not operate the unit in Air for more than 5 minutes.

OVERALL DIMENSIONS



TYPICAL PINOUT

SCBH-3M



Pin 1 = 0V
Pin 2 = Power
Pin3 = Analog Control or PWM

SCBH-2M



Pin 1 = 0V
Pin 2 = Power and Control