

FISBA READYBeam™

Compact multi-wavelength laser source – ready to use !



The FISBA READYBeam™ is the answer to customers increasing demand for compact, powerful and reliable multi-wavelength lasers sources which expands the features and functions of business and research significantly. It is the instrument designers first choice to dramatically reduce the footprint, development time and integration risk.

The unit is available in two primary configurations: READYBeam™ bio and READYBeam™ ind.

Technical Data

- Dimensions: 77 mm x 40 mm x 37 mm
- Wavelengths
 - bio : 405 nm / 488 nm / 638 nm
 - ind: 450 nm / 520 nm / 660 nm
- Output power range: > 30 mW per wavelength
- Fiber connector: FC/APC
- Fiber type: SM or SM/PM

Your Benefits

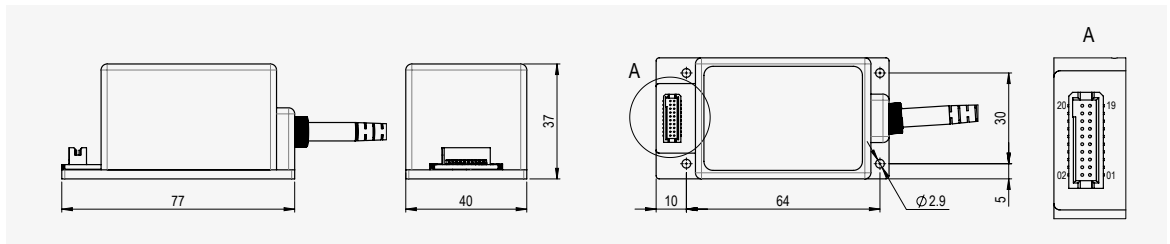
- Compact footprint
- Embedded cooling
- Closed loop power control
- Reduced risk and timeline for integration

Industries & Applications

- Life Sciences
- Industrial Applications

Technical Specifications

FISBA READYBeam™



Optical parameters	bio			ind		
	Wavelengths	405 nm	488 nm	638 nm	450 nm	520 nm
Min. optical power from fiber	≥ 40 mW	≥ 30 mW	≥ 40 mW	≥ 40 mW	≥ 30 mW	≥ 40 mW
NA fiber	0.12					
Laser class	3B					
Fiber connector	FC/APC					
Fiber type	Single-mode with or without polarization maintaining properties					

Electrical parameters	
Power supply	12 V – 24 V, 60 W
Modulation	ON / OFF Enable up to 1 MHz Set power input bandwidth up to 20 kHz (0 – 3.3 V → 10% – 100%)
Operation mode	cw / modulated
Digital interface	RS 485 (ON / OFF Modulation up to 100 Hz)

Mechanical parameters	
Dimensions length x width x height	77 mm x 40 mm x 37 mm
Weight	≤ 200 g

Environmental conditions	
Operation temperature	15°C – 40°C
Storage temperature	-10°C – +60°C
Thermal properties	TEC controlled
Heat dissipation	~ 7 watts