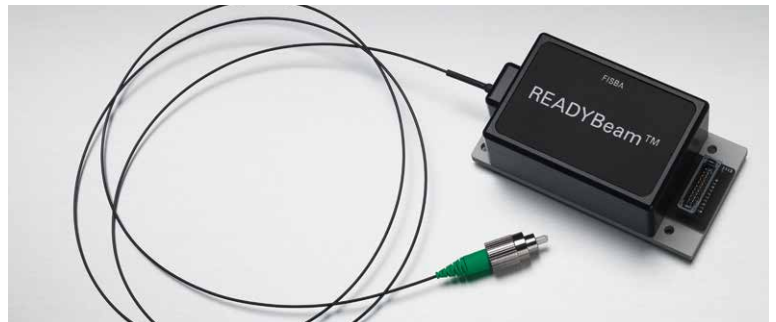


FISBA READYBeam™

Multiple source laser module with
integrated laser driver – ready to use !



The newest addition to FISBA's portfolio, the READYBeam™, will expand the features and functions to further enable instrument designers a simple, compact and powerful option. It dramatically reduces the footprint, development time and integration risk of multiple wavelength light sources. The unit will be available in two primary configurations: the READYBeam™ bio and READYBeam™ ind.

Technical Data

- Dimensions: 77 mm x 40 mm x 30 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, photo feedback and communication
- 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	660 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					
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 30 mm					
Weight	≤ 200 g					

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