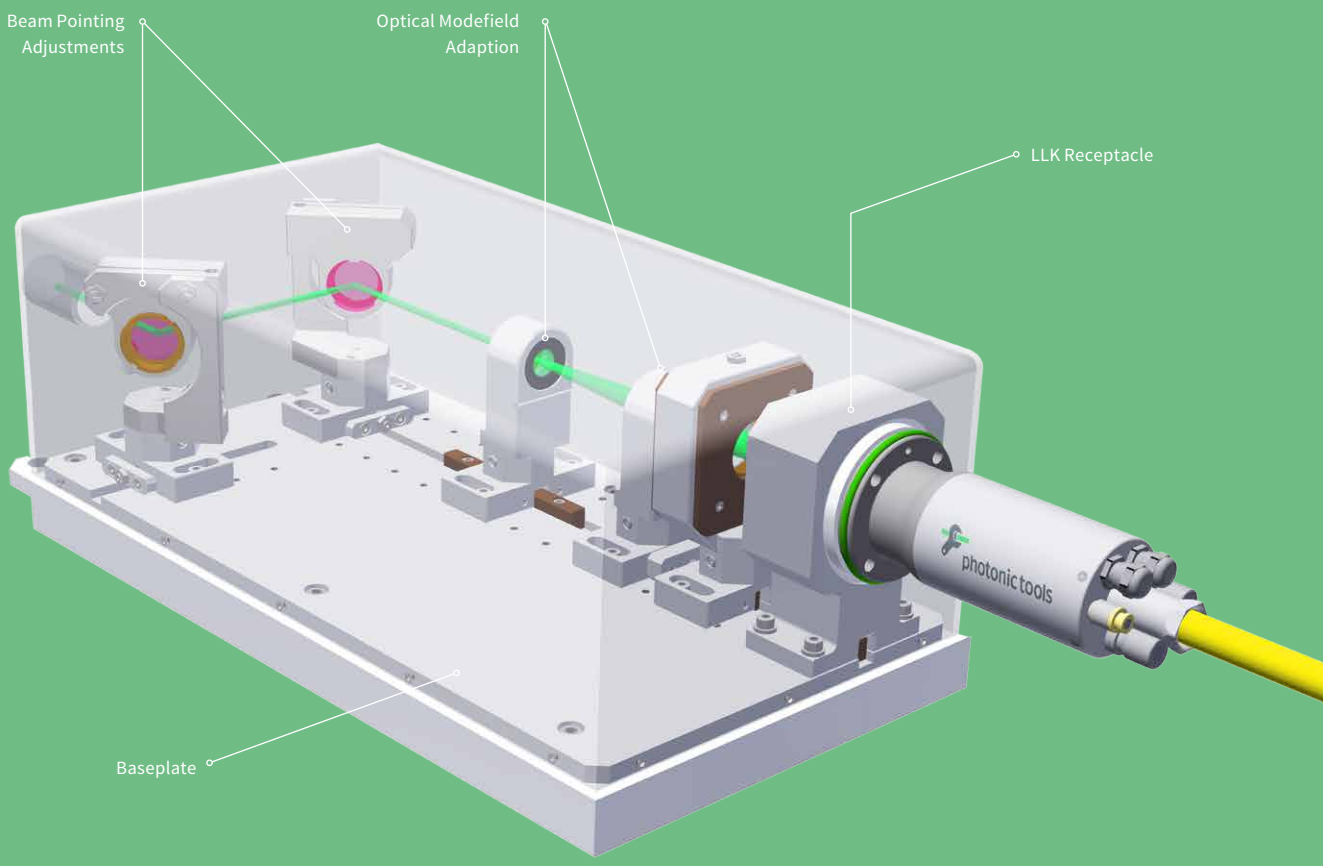


BLS

Beam launching system - Modular free-space beam delivery system

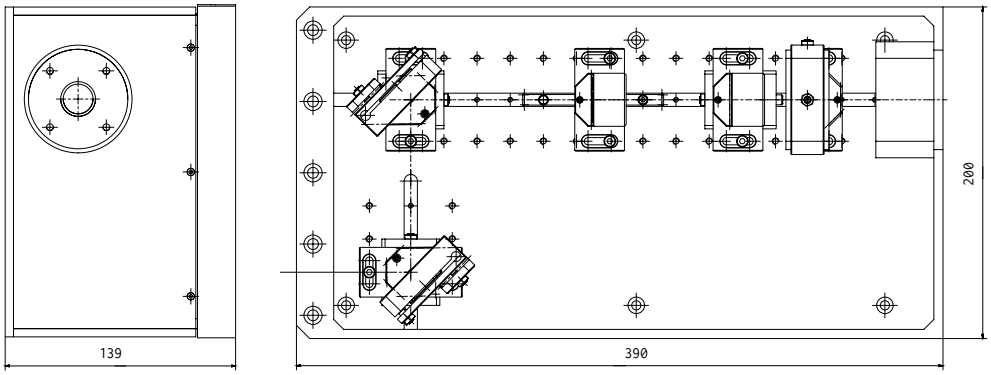
- Launching the single mode laser beam into the fiber
- Modefield adaptation to the fiber

Technical data BLS

Beam parameter acceptance	Single mode laser beam radiation
Typical input beam diameter	1 - 5 mm
Typical beam waist position	+/- 500 mm from entrance
Wavelength	980 - 1100 nm *
Clear aperture	Ø 15 mm
Pulse energy	Max. 500 µJ
Modules	
90° beam deflection modules with adjustment	
• Dimensions optical element	Ø 25.4 mm, thickness max. 6.35 mm *
• Adjustment range / resolution	+/- 1.5°, 50 µrad
Lens module	
• Dimensions optical element	Ø 25.4 mm, thickness max. 6.35 mm
• Adjustment range / resolution	Free along optical axis / 0.1 mm
Rotary module	
• Dimensions optical element	Ø 25.4 mm, thickness max. 6.35 mm
• Adjustment range / resolution	360° / 0.1°
Lens module with x,y-adjustment	
• Dimensions optical element	Ø 25.4 mm, thickness max. 6.35 mm
• Adjustment range / resolution	+/- 1 mm / 2 µm
LLK receptacle	
• LLK connector	PT-F (Photonic Tools flange design), *
Dimensions	
Dimensions (typical bam launching configuration)	Approx. 300 mm x 200 mm x 200 mm
Weight (typical beam launching configuration)	13.5 kg
Accessories	
Protective housing | Alignment tools | Monitoring modules | Clean air purge kit	

All data subject to change without prior notice

*others on request, **additional cooling packages might be required



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