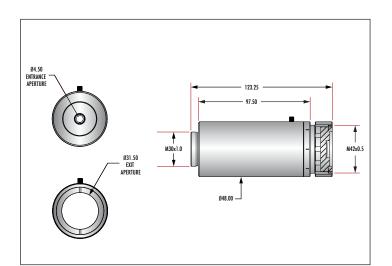
TECHSPEC[®] VEGA[™] Nd:YAG LASER LINE BEAM EXPANDERS 355nm • 20X #35-119

- $\lambda/10$ Transmitted Wavefront Error
- Fused Silica Substrate Offers Excellent Price and Performance
- Divergence Adjustment to Compensate for Input Beam Divergence
- TECHSPEC[®] Vega[™] Broadband Beam Expanders Also Available

TECHSPEC[®] VegaTM Nd:YAG Laser Line Beam Expanders are designed for demanding laser applications including laser materials processing, medical, and research. These compact beam expanders are optimized at Nd:YAG wavelengths for high performance transmitted wavefront, with most designs achieving better than $\lambda/10$ transmitted wavefront error. TECHSPEC[®] Vega Nd:YAG Laser Line Beam Expanders easily mount with M30 x 1 threading and provide excellent value both for single unit purchases as well as volume integration.

For more cost sensitive applications that don't require divergence adjustment, see our Scorpii[™] Nd:YAG Beam expanders. For applications that require sliding optics or larger input apertures, please see our Draconis[™] Nd:YAG Laser Line Beam Expanders.



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Design Wavelength (DWL):	355nm	
Magnification:	20X	
Maximum Input Aperture:	4.5mm	
Divergence Adjustable:	Rotating Optics	
Maximum Output Aperture:	31.5mm	
Length (With Threads):	123.3mm	
Housing Outer Diameter:	48mm	
Damage Threshold:	2.5 J/cm² @ 355nm, 10ns, 20Hz	
Transmission @ DWL:	>98.5% (nominal)	
Lens Material:	Fused Silica	
Coating:	R _{abs} <0.25% @ 355nm	
Mounting Thread:	M30 x 1	

