



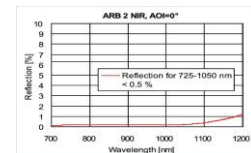
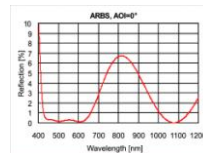
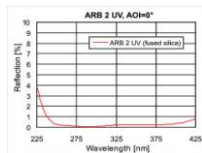
Beam Reducer - Technical Data -

The modular beam reducer is an add-on to the standard CinCam Beam Profiler. It is designed for adjusting the laser beam size precisely to the effective area of the Beam Profiler. The sophisticated design allows changing the expansion ratio / reduction factor by exchanging the module without any re-calibration. The beam reducer offers high performance optical designs packaged in a precise opto-mechanical platform.

The beam reducer can be used up to intensities of 100J/cm². The input aperture allows beam profiling of lasers with diameters up to 14mm with CINOGY's CinCam systems.

	BR-UV-01	BR-VIS/IR-01	BR-IR-01
Spectral range:	248 - 405nm	450 - 650nm + 1061 – 1064nm	725 - 1050nm
Ratio:	1.5x; 2.0x; 2.5x	1.5x; 2.0x; 2.5x; 3.0x; 4.0x; 5.0x; 8.0x; 10x	1.5x; 2.0x; 2.5x; 3.0x; 4.0x; 5.0x; 8.0x; 10x
Large aperture:	28mm	28mm	28mm
Laser beam diameter (1/e ²):	max 14mm	max 14mm	max 14mm
Residual reflectance:	<0.5% (266 - 405nm)	<0.5% (480 - 640nm) ; <0.3% (1061 - 1064nm)	<0.5% (725 - 1050nm)
Damage threshold:	2J/cm ² (@ 10ns pulse, 308nm)	100J/cm ² (@ 10ns pulse, 1064nm)	100J/cm ² (@ 10ns pulse, 1064nm)
Input lens:	Fused silica	Fused silica	Fused silica

Transmission:



Design and specification of the described product(s) are subject to change without notice.

