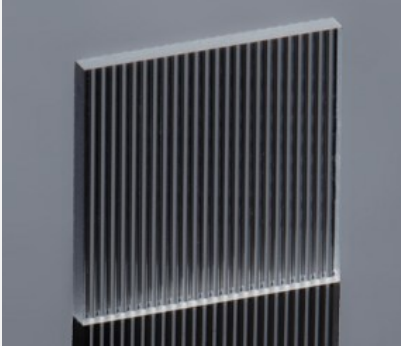


Cylindrical Lens Array

Pitch 1.3



Features and Advantages

Lens array with cylindrical lenses on one side.

Top hat profiles with high homogeneity can be generated in one dimension. ⁽¹⁾

* Product similar to image, see product drawing below.

Product Specifications

Specification Data	Unit	Value
Material		Fused Silica
Length (L)	mm	35.0 ± 0.1
Width (W)	mm	35.0 ± 0.1
Thickness (T)	mm	2.0 ± 0.1
Clear Aperture	mm ²	32.5 x 32.5
Refractive Index n @ 248 nm / @ 532 nm / @ 1064nm		1.509 / 1.461 / 1.449
Pitch (P)	mm	1.3
Transmission (without coating)	%	> 90
Protective Chamfer	mm x 45°	0.3 ± 0.2
Surface Imperfections (DIN ISO 10110-7)		5/ 10×0,1; L3×0,25; E1

Product Code		ZLA001102 ⁽²⁾	ZLA000796 ⁽²⁾	ZLA000772
Specification Data	Unit	Value		
Radius	mm	2.99 ± 0.09	4.40 ± 0.13	6.50 ± 0.20
EFL	@ 248 nm	5.88 ± 0.18	8.65 ± 0.26	12.8 ± 0.38
	@ 532 nm	6.49 ± 0.19	9.55 ± 0.29	14.1 ± 0.42
	@ 1064nm	6.65 ± 0.20	9.79 ± 0.29	14.5 ± 0.43
Numerical Aperture [p / (2f)]	@ 248 nm	0.1105	0.0751	0.0508
	@ 532 nm	0.1002	0.0681	0.0461
	@ 1064nm	0.0977	0.0664	0.0448

⁽¹⁾ Suitable for multi-mode laser sources M² > 20 (approx.)

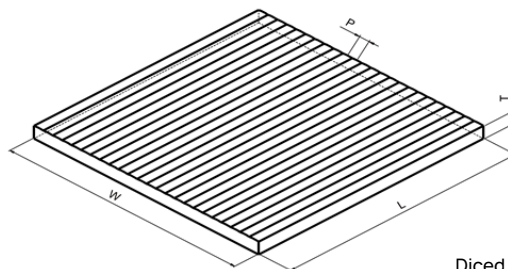
⁽²⁾ Example for customization – design and dimensions on request.

Product Specifications

Product Code			ZLA000791 ⁽²⁾	ZLA000744 ⁽²⁾	ZLA000742 ⁽²⁾
Specification Data		Unit			
Radius		mm	8.40 ± 0.25	25.0 ± 0.75	50.0 ± 1.5
EFL	@ 248 nm	mm	16.5 ± 0.50	49.2 ± 1.5	98.3 ± 2.9
	@ 532 nm	mm	18.2 ± 0.55	54.3 ± 1.6	108.5 ± 3.3
	@ 1064nm	mm	18.7 ± 0.56	55.6 ± 1.7	111.2 ± 3.3
Numerical Aperture [p / (2f)]	@ 248 nm		0.0394	0.0132	0.0066
	@ 532 nm		0.0357	0.0120	0.0060
	@ 1064nm		0.0348	0.0117	0.0059

⁽²⁾ Example for customization — design and dimensions on request.

Product Drawing (mm)



Diced asymmetrically — symmetric dicing on request