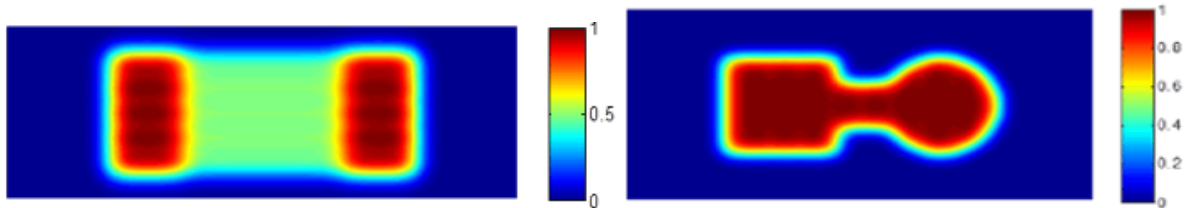


Beam Shaper: Custom shape & intensity distribution

Holo/Or has vast variety of solutions for beam shaping:

The beam shapers are diffractive optical elements (DOEs) used to transform a SM or MM incident laser beam into any shape with any intensity distribution in a specific work plane.

In this section, we present our beam shaper DOEs which give a custom intensity distribution & custom shape at infinity or focal length of an aberration free customer's lens.



PN	λ [nm]	θ_f [deg]	Element Size [mm]	Beam Size [mm]	Laser Type	Image Shape	Remarks
GD-242-I-Y-A	1064	0.5	11	> 3	MM	Gaussian	Gaussian profile
TH-236-I-Y-A	1064	0.41	25.4	6	SM only	Grid	10x10 cells
TH-237-I-Y-A	1064	0.41	25.4	6	SM only	MultiLines	11 lines
ST-227-I-Y-A	1064	0.11	11	4	SM only	Frame	
ST-228-I-Y-A	1064	1.38	11	4	SM only	Frame	
GD-241-I-Y-A	1064	0.3	11	> 3	MM	Gaussian	Gaussian profile
TH-225-I-Y-A	1064	1.36	11	1.2	SM only	Dollar	
ML-001-I-Y-A	1064	81.59x81.59	20x20	> 4	SM / MM	MultiLines	15 Lines
HM-329-I-Y-A	1064	8.97	32x32	> 5	SM / MM	Quadrupole	
ML-002-I-Y-A	1064	69.25x45.52	10x10	> 1	SM / MM	MultiLines	27 Lines
ML-003-I-Y-A	1064	50.65x50.65	10x10	> 1	SM / MM	MultiLines	81 Lines
ML-004-I-Y-A	1064	37.75x24.60	10x10	> 1	SM / MM	MultiLines	9 Lines
ML-005-I-Y-A	1064	50.38x12.46	10x10	> 1	SM / MM	MultiLines	81 Lines
ML-006-I-Y-A	1064	51.73x50.38	10x10	> 1	SM / MM	MultiLines	41 Lines