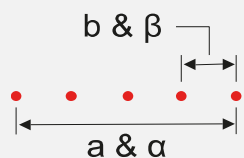







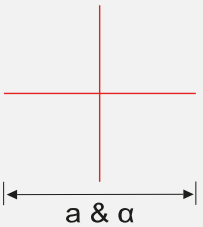
Standard Diffractive Optical Elements - Glass

Dot Matrix	DOE Item #	Description	Design Wavelength	Pattern Size @ 100 mm Distance, Values: mm				Pattern Angles (@ Design Wavelength)				Recommended Wavelength Range
				a	b	c	d	α	β	γ	δ	
	DE 804	Matrix 5 x 5 Dots	650 nm	79.1	55.9	53.9	13.1	43.1°	31.2°	30.1°	7.5°	630-700 nm
	DE 813	Matrix 4 x 2 Dots	800 nm	4.1	3.4	1.14	2.3	2.4°	2.0°	0.65°	1.3°	750-820 nm
	DE 814	Matrix 3 x 4 Dots	800 nm	5.8	3.2	1.6	4.8	3.3°	1.8°	0.9°	2.8°	780-850 nm
	DE 815	Matrix 3 x 5 Dots	800 nm	5.8	2.6	1.3	5.2	3.3°	1.5°	0.7°	3.0°	725-825 nm
	DE 816	Matrix 8 x 8 Dots	800 nm	6.9	4.9	0.7	4.9	4.0°	2.8°	0.4°	2.8°	780-820 nm
	DE 817	Matrix 15 x 15 Dots	800 nm	10.4	7.3	0.52	7.3	5.9°	4.2°	0.3°	4.2°	780-820 nm
	DE 828	Matrix 4 x 2 Dots	1064 nm	4.60	3.80	1.26	2.50	2.60°	2.20°	0.72°	1.40°	1030/1064 nm
	DE 829	Matrix 3 x 5 Dots	1064 nm	7.70	3.40	1.72	6.90	4.40°	2.00°	0.99°	4.00°	1030/1064 nm
	DE 830	Matrix 3 x 4 Dots	1064 nm	4.30	2.40	1.18	3.50	2.40°	1.40°	0.68°	2.00°	1030/1064 nm
	DE 831	Matrix 8 x 8 Dots	1064 nm	12.30	8.70	1.24	8.70	7.00°	5.00°	0.71°	5.00°	1030/1064 nm
	DE 838	Matrix 3 x 5 Dots	532 nm	6.30	2.80	1.40	5.60	3.60°	1.60°	0.80°	3.20°	488-532 nm
	DE 842	Matrix 8 x 8 Dots	532 nm	6.90	4.90	0.70	4.90	4.00°	2.80°	0.40°	2.80°	500-540 nm

Lines & Dot Lines	DOE Item #	Description	Design Wavelength	Pattern Size @ 100 mm Distance, Values: mm		Pattern Angles (@ Design Wavelength)		Recommended Wavelength Range
				a	b	α	β	
	DE 801	1 : 2 Beam Splitter	660 nm	45.1 mm	—	25.4°	—	630-700 nm
	DE 802	1 : 7 Dot Line	640 nm	12.8 mm	2.1 mm	7.3°	1.22°	630-760 nm
	DE 803	1 : 25 Dot Line	640/650 nm	15.4 mm	0.64 mm	8.8°	0.37°	635-655 nm
	DE 805	1 : 2 Beam Splitter	800 nm	0.44 mm	—	0.25°	—	750-850 nm
	DE 806	1 : 2 Beam Splitter	800 nm	—	—	0.5°	—	750-850 nm
	DE 807	1 : 2 Beam Splitter	800 nm	1.75 mm	—	1.0°	—	750-850 nm
	DE 808	1 : 2 Beam Splitter	800 nm	3.49 mm	—	2°	—	750-850 nm
	DE 809	1 : 2 Beam Splitter	800 nm	7.86 mm	—	4.5°	—	750-850 nm
	DE 810	1 : 2 Beam Splitter	800 nm	17.5 mm	—	10.0°	—	720-820 nm
	DE 811	1 : 2 Beam Splitter	800 nm	—	—	2.0°	—	750-850 nm
	DE 812	1 : 6 Dot Line	800 nm	4.4 mm	0.9 mm	2.5°	0.5°	780-850 nm
	DE 818	1 : 2 Beam Splitter	1064 nm	0.26 mm	—	0.15°	—	1030/1064 nm
	DE 819	1 : 2 Beam Splitter	1064 nm	0.52 mm	—	0.30°	—	1030/1064 nm
	DE 820	1 : 2 Beam Splitter	1064 nm	0.87 mm	—	0.50°	—	1030/1064 nm
	DE 821	1 : 2 Beam Splitter	1064 nm	1.75 mm	—	1.00°	—	1030/1064 nm
	DE 822	1 : 2 Beam Splitter	1064 nm	1.75 mm	—	1.00°	—	1030/1064 nm
	DE 823	1 : 2 Beam Splitter	1064 nm	2.62 mm	—	1.50°	—	1030/1064 nm
	DE 824	1 : 2 Beam Splitter	1064 nm	5.24 mm	—	3.00°	—	1030/1064 nm
	DE 825	1 : 2 Beam Splitter	1064 nm	8.73 mm	—	5.00°	—	1030/1064 nm
	DE 826	1 : 6 Dot Line	1064 nm	3.50 mm	0.70 mm	2.00°	0.40°	1030/1064 nm
	DE 827	1 : 10 Dot Line	1064 nm	5.30 mm	0.58 mm	3.00°	0.33°	1030/1064 nm



DE 834	1 : 2 Beam Splitter	532 nm	0.87 mm	–	0.50°	–		480-560 nm
DE 835	1 : 2 Beam Splitter	532 nm	2.18 mm	–	1.25°	–		480-560 nm
DE 836	1 : 2 Beam Splitter	532 nm	5.24 mm	–	3.00°	–		480-560 nm
DE 837	1 : 6 Dot Line	532 nm	4.40 mm	0.87 mm	2.50°	0.50°		480-550 nm
DE 841	1 : 10 Dot Line	532 nm	5.60 mm	0.62 mm	3.20°	0.36°		515-570 nm

Crosshair	DOE Item #	Description	Design Wavelength	Pattern Size @ 100 mm Distance, Values: mm		Pattern Angles (@ Design Wavelength)		Recommended Wavelength Range
				a		α		
	DE-R 440	Cross – 38 @ 635	635 nm	69.6		38.4°		425-590 nm