Portrait																	
Maker	Model	Focal Length (m)	Focal Length (mm)	Crop Factor	Angle of View	Image Circle (mm)	Coverage Width (deg)	Coverage Diagonal (deg)	Coverage (C-C)	Comments	Source	Source	Amount	Variable Aperture	Variable Focus	Crop	Full Frame
Orlite	Long Focal Portrait Lens	20	0.6	6			6.12 x 4.59				0	Neg	No	No	No	No	No
Orlite	Long Focal Portrait Lens	20	0.6	6			6.12 x 4.59				0	Neg	No	No	No	No	No
Orlite	Long Focal Portrait Lens	20	0.6				10 x 8				20	Neg	No	No	No	No	No
Orlite	Long Focal Portrait Lens	20	0.6				10 x 8				20	Neg	No	No	No	No	No
Orlite	Long Focal Portrait Lens	20	0.6				6.12 x 4.59				20	Neg	No	No	No	No	No
Orlite	Series 2 Portrait Analogical	10	0				6.12 x 4.59				20	Neg	No	No	No	No	No
Orlite	Series 2 Portrait Analogical	10	0				6.12 x 4.59				20	Neg	No	No	No	No	No
Orlite	Series 2 Portrait Analogical	6	0				9.12 x 3.53				20	Neg	No	No	No	No	No
Orlite	Series 2 Portrait Analogical	6	0				9.12 x 3.53				20	Neg	No	No	No	No	No
Orlite	Series 2 Portrait Analogical	6	0				6 x 6				20	Neg	No	No	No	No	No
Orlite	Kaleman-Zeiss Portrait Lens Nq	10	0	6							17	Neg	No	No	No	No	No
OSL	Pastigmat	11.5	250	3.5			11 x 8				0	Neg	No	No	No	No	No
OSL	Pastigmat Portrait	14	400	3.5			11 x 14				0	Neg	No	No	No	No	No
OSL	Portrait Jitne Series I B			4.5							15	Neg	No	No	No	No	No
OSL	Portrait Jitne Series I B			4.5							15	Neg	No	No	No	No	No
OSL	Portrait Jitne Series I B	14	350	4.5							15	Neg	No	No	No	No	No
OSL	Portrait Jitne Series I B	14	350	4.5							15	Neg	No	No	No	No	No
OSL	Special	10	400	4			8 x 10				0	Neg	No	No	No	No	No
OSL	Special	10	400	4			8 x 10				0	Neg	No	No	No	No	No
OSL	Telecar	18.110	700	4			14 x 11				0	Neg	No	No	No	No	No
OSL	Ural	14.24	300	4.5			8 x 10			Tessar Type	0	Neg	No	No	No	No	No
Oxbow	Zero Camerettes	24	610	5						Ajar**	0	Neg	No	No	No	No	No
Ozark	Analogical Series 11	10	0	5			10 x 8				20	Neg	No	No	No	No	No
Ozark	Analogical Series 11	10	0	5			10 x 8				20	Neg	No	No	No	No	No
Ozark	Analogical Series 21	8.12	0	5			8.12 x 6.12				20	Neg	No	No	No	No	No
Carl Meyer	Orionne	12	300	4.5			8 x 10				0	Neg	No	No	No	No	No
Carl Meyer	Orionne	14	350	4.5			8 x 10				0	Neg	No	No	No	No	No
Carl Meyer	Orionne	14.12	350	4.5			10 x 8				0	Neg	No	No	No	No	No
Carl Meyer	Orionne	14.12	350	4.5			10 x 8				0	Neg	No	No	No	No	No
GFX											0	Neg	No	No	No	No	No
Carl Meyer	Orionne	14.12	350	4.5			10 x 8				0	Neg	No	No	No	No	No
GFX											0	Neg	No	No	No	No	No
GF Deiss	Tiptar	20	500	4.5			8 x 6				0	Neg	No	No	No	No	No
GF Deiss	Tiptar	10	300	3.5			8 x 6				0	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	12		4.5			8 x 10			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	14.12		4.5			10 x 12			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	10.14		4.5			11 x 14			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	20		4.5			14 x 17			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	23.14					16 x 20			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	4.8.6		4.5			2.12 x 2.12			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	6		4.5			3.14 x 3.14			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	6		4.5			4 x 5			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	8		4.5			5 x 7			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	8.12		4.5			5 x 8			Symmetrical	17	Neg	No	No	No	No	No
Omega Optical Co.	Crown Analogical Series I	9.34		4.5			6.12 x 8.12			Symmetrical	17	Neg	No	No	No	No	No
Optimar	Optimar	12	350	3.5			10 x 8				0	Neg	No	No	No	No	No
Optimar	Optimar - Sturgeon's Law	12.12 - 20	0.3				+ Calotar	Calotar			20	Neg	No	No	No	No	No
Optimar	Optimar - Sturgeon's Law	20 - 40	0.3 - 0.6				6.12 x 4.12				20	Neg	No	No	No	No	No
Optimar	Optimar - Sturgeon's Law	20 - 50	0 - 1.5				5 x 4	LAN Scott			20	Neg	No	No	No	No	No
Optimar	Portrait Commercial Grade	14	0				8 x 10	8 x 10			20	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Analogical Series 2 No. 20	12.12	0	4.5			8.12 x 6.12	8 x 10			17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait & Group Lens Series 2 No. 30	17	0	4.5			8 x 10	10 x 12			17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait & Group Lens Series 2 No. 40	17	0	4.5			10 x 12	12 x 15			17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait & Group Lens Series 2 No. 50	24	0	4.5			12 x 15	16 x 19			17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait & Group Lens Series 2 No. 60	36.12	0				16 x 16	20 x 22			17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait & Group Lens Series 2 No. 80	37	0				20 x 20	21 x 25			17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 5	10	0	4			4 x 5			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 6	13.12	0				5 x 7			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 8	18	0				6.12 x 8.12			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 10	18	0				8 x 10			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 12	22	0				10 x 15			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 16	30	0				16 x 20			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 18	6	0	3.5			3 x 4			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 19	11	0	3.5						Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens Series 2 No. 20	17	0	3.5			8 x 10			Front element screws in & out for soft focus	17	Neg	No	No	No	No	No
Optimar	Portrait	10.24	400	3.5			10 x 12				0	Neg	No	No	No	No	No
Optimar	Portrait	14	350	3.5			10 x 12				0	Neg	No	No	No	No	No
Optimar	Portrait	20	750	3.5			11 x 14				0	Neg	No	No	No	No	No
Optimar	Portrait Analogical	10	0	3.5							10	Neg	Yes	Yes	Yes	Yes	Yes
Optimar	Portrait Analogical	14	0	3.5							10	Neg	Yes	Yes	Yes	Yes	Yes
Optimar	Portrait Analogical	20	0	3.5							10	Neg	Yes	Yes	Yes	Yes	Yes
Optimar	Portrait Lens	14	350	3.5			8 x 10				0	Neg	No	No	No	No	No
Optimar	Portrait Lens	17.12	430	4			10 x 12				0	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens	8.14	210	3.5			6.12 x 8.12				20	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens	11	275	3			8.12 x 4				20	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens	13.12	340	3			8.12 x 4				20	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Lens	15	730	3			8.12 x 4.12				20	Neg	No	No	No	No	No
Optimar	Series 4 Portrait Lens	10	250	3			5 x 4				20	Neg	No	No	No	No	No
Optimar	Series 4 Portrait Lens	12	300	3			8.12 x 3.12				20	Neg	No	No	No	No	No
Optimar	Series 4 Portrait Lens	13.12	340	3			8.12 x 4				20	Neg	No	No	No	No	No
Optimar	Series 4 Portrait Lens	18	450	3			8.12 x 5.12				20	Neg	No	No	No	No	No
Optimar	Series 4 Portrait Lens	18	450	3			10 x 8				20	Neg	No	No	No	No	No
Optimar	Series 4 Portrait Lens	22	580	3			10 x 10				20	Neg	No	No	No	No	No
Optimar	Series 4 Portrait Lens	30	760	3			20 x 16				20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens	12	300	3			8.12 x 3.12				20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens - 1 12 B	4.12	110	3			3 x 4				20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens	9.12	230	3			8.12 x 5.34	8 x 5			20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens	12.12	320	3			8.12 x 5.12	10 x 8			20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens	19.24	500	3			8.12 x 8.12	12 x 8			20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens	24	610	3			10 x 8	12 x 10			20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens	28	710	3			16 x 16	20 x 20			20	Neg	No	No	No	No	No
Optimar	Series 5 Portrait Lens	37	940	3			22 x 20	25 x 21			20	Neg	No	No	No	No	No
Optimar	Series	14	350	4.5			10 x 12				0	Neg	No	No	No	No	No
Optimar	Series	20	500	4.5			14 x 17	5 x 7			0	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series I	6	0	4			3.14 x 4.12				17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series I	6	0	4			3.14 x 4.12				17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series I	8	0	4			5 x 7				17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	10.7	0	4			6.12 x 8.12	12 x 15		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	13.7	0	4			8 x 10	16 x 20		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	15.7	0	4			10 x 12	19 x 19		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	19.7	0	4			12 x 15	24 x 24		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	3.25	0	4			2 x 2.12	4 x 3		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	4	0	4			2.12 x 3.14			Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	5.5	0	4			3.14 x 4.12	5 x 7		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	6.5	0	4			4 x 5			Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	8	0	4			5 x 7	6.12 x 8.12		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	9	0	4			6.12 x 8.12	8 x 5		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	9	0	4			8 x 6	10 x 12		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	10	0	4			8 x 10	12 x 15		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series II	10.94	0	4			10 x 12	14 x 17		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	4	0	7.5			2 x 2.12	3.14 x 4.12		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	6	0	7.5			3.14 x 4.12			Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	8	0	7.5			4.12 x 5.12			Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	8	0	7.5			4.12 x 5.12			Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	10.94	0	7.5			10 x 12	10 x 15		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	4	0	7.5			2 x 2.12	3.14 x 4.12		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	6	0	7.5			3.12 x 3.14			Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	8	0	7.5			4.12 x 5.12			Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	8.14	0	7.5			5 x 7	6.12 x 8.12		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	10.94	0	7.5			8 x 10	10 x 12		Maximum coverage + system @ f/16	17	Neg	No	No	No	No	No
Optimar	Stigmatic Portrait Lens Series III	14	350	7.5			10 x 12				17	Neg	No	No	No	No	No
Optimar	Improved Portrait Lens	13.12					8 x 10			Front cell may be used in alone in back for landscape	17	Neg	No	No	No	No	No
Optimar	Improved Portrait Lens						3.14 x 4.12			Front cell may be used in alone in back for landscape	17	Neg	No	No	No	No	No
Optimar	Improved Portrait Lens	8.94		4			4.94 x 5.12			Front cell may be used in alone in back for landscape	17	Neg	No	No	No	No	No
Optimar	Improved Portrait Lens						5.12 x 6.12			Front cell may be used in alone in back for landscape	17	Neg	No	No	No	No	No
Optimar	Portrait Lens	10.12		4			8 x 10			Size 4 F. no hinge groove - lens diameter given at 4" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Portrait Lens	15					11 x 14			Size 5 F. no hinge groove - lens diameter given at 4" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Portrait Lens	4.12					3.14 x 4.12			Size 1 A - no hinge groove - lens diameter given at 1.125" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Portrait Lens	5.12					4.14 x 5.12			Size 1 C - no hinge groove - lens diameter given at 1.750" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Portrait Lens	7					5 x 7			Size 2 F. - no hinge groove - lens diameter given at 2.125" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Quick Working Portrait Lens	11					8 x 10			Size 4 F. - no hinge groove - lens diameter given at 4" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Quick Working Portrait Lens	15					11 x 14			Size 5 F. - no hinge groove - lens diameter given at 4" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Quick Working Portrait Lens	7.1					5 x 7			Size 2 F. - no hinge groove - lens diameter given at 2.125" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Quick Working Portrait Lens	9.12					8 x 10			Size 4 F. - no hinge groove - lens diameter given at 4" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Quick Working Portrait Lens	8					6.12 x 8.12			Size 3 F. - no hinge groove - lens diameter given at 3" - rack & pinion focusing - central stops*	20	Neg	No	No	No	No	No
Optimar	Portrait Series F.X	12		4			8 x 6				17	Neg	No	No	No	No	No
Optimar	Portrait Series F.X	14		4			8 x 10				17	Neg	No	No	No	No	No
Optimar	Portrait Series F.X	16		4			8 x 10				17	Neg	No	No	No	No	No
Optimar	Portrait Series F.X	11.12		4			6.12 x 8.12				17	Neg	No	No	No	No	No
Optimar	Portrait Series F.X	10		4			8 x 10				17	Neg	No	No	No	No	No
Optimar	Portrait Series F.X	14		4			10 x 12				17	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Analogical	10	0	3.5			8 x 10				20	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Analogical	14	0	3.5			10 x 12				20	Neg	No	No	No	No	No
Optimar	Series 2 Portrait Analogical	20	0	3.5			14 x 17