

# Optical data for Leica MZ75 and MZ95

Objectives		1.0× Plan 1.0× Achromat		1.0× Planapo		1.6× Planapo 2.0× Achromat		0.63× Planapo 0.8× Achromat		0.5× Plan 0.63× Achromat		0.32× Achromat		0.5× Achromat		1.5× Achromat	
Eyepieces	Magnification changer position	Working distances (mm)															
		81 Plan 89 Achromat		55 Planapo		19 Planapo 27 Achromat		97 Planapo 112 Achromat		135 Plan 149 Achromat		297 Achromat		187 Achromat		49 Achromat	
		Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)
10×/21B	0.63	6.3	33.3	7.9	26.6	12.6	16.7	5.0	42.0	3.9	53.8	2.0	105.0	3.2	65.6	9.4	22.3
	0.8	8.0	26.3	10.0	21.0	16.0	13.1	6.4	32.8	5.0	42.0	2.5	84.0	4.0	52.5	11.9	17.6
	1.0	10.0	21.0	12.5	16.8	20.0	10.5	8.0	26.3	6.3	33.3	3.1	67.7	5.0	42.0	14.9	14.1
	1.25	12.5	16.8	15.6	13.5	25.0	8.4	10.0	21.0	7.8	26.9	3.9	53.8	6.3	33.3	18.7	11.2
	1.6	16.0	13.1	20.0	10.5	32.0	6.6	12.8	16.4	10.0	21.0	5.0	42.0	8.0	26.3	23.9	8.8
	2.0	20.0	10.5	25.0	8.4	40.0	5.3	16.0	13.1	12.5	16.8	6.3	33.3	10.0	21.0	29.9	7.0
	2.5	25.0	8.4	31.3	6.7	50.0	4.2	20.0	10.5	15.6	13.5	7.8	26.9	12.5	16.8	37.3	5.6
	3.2	32.0	6.6	40.0	5.3	64.0	3.3	25.6	8.2	20.0	10.5	10.0	21.0	16.0	13.1	47.8	4.4
	4.0	40.0	5.3	50.0	4.2	80.0	2.6	32.0	6.6	25.0	8.4	12.5	16.8	20.0	10.5	59.7	3.5
	5.0	50.0	4.2	62.5	3.4	100.0	2.1	40.0	5.3	31.3	6.7	15.6	13.5	25.0	8.4	74.6	2.8
6.0*	60.0	3.5	75.0	2.8	120.0	1.8	48.0	4.4	37.5	5.6	18.8	11.2	30.0	7.0	89.6	2.3	
16×/14B	0.63	10.1	22.2	12.6	17.8	20.2	11.1	8.1	27.7	6.3	35.6	3.2	70.0	5.0	44.8	15.0	14.9
	0.8	12.8	17.5	16.0	14.0	25.6	8.8	10.2	22.0	8.0	28.0	4.0	56.0	6.4	35.0	19.1	11.7
	1.0	16.0	14.0	20.0	11.2	32.0	7.0	12.8	17.5	10.0	22.4	5.0	44.8	8.0	28.0	23.9	9.4
	1.25	20.0	11.2	25.0	9.0	40.0	5.6	16.0	14.0	12.5	17.9	6.3	35.6	10.0	22.4	29.9	7.5
	1.6	25.6	8.8	32.0	7.0	51.2	4.4	20.5	10.9	16.0	14.0	8.0	28.0	12.8	17.5	38.2	5.9
	2.0	32.0	7.0	40.0	5.6	64.0	3.5	25.6	8.8	20.0	11.2	10.0	22.4	16.0	14.0	47.8	4.7
	2.5	40.0	5.6	50.0	4.5	80.0	2.8	32.0	7.0	25.0	9.0	12.5	17.9	20.0	11.2	59.7	3.8
	3.2	51.2	4.4	64.0	3.5	102.4	2.2	41.0	5.5	32.0	7.0	16.0	14.0	25.6	8.8	76.4	2.9
	4.0	64.0	3.5	80.0	2.8	128.0	1.8	51.2	4.4	40.0	5.6	20.0	11.2	32.0	7.0	95.5	2.3
	5.0	80.0	2.8	100.0	2.2	160.0	1.4	64.0	3.5	50.0	4.5	25.0	9.0	40.0	5.6	119.4	1.9
6.0*	96.0	2.3	120.0	1.9	192.0	1.2	76.8	2.9	60.0	3.7	30.0	7.5	48.0	4.7	143.3	1.6	
25×/9.5B	0.63	15.8	15.0	19.7	12.1	31.5	7.5	12.6	18.8	9.8	24.2	4.9	48.5	7.9	30.1	23.5	10.1
	0.8	20.0	11.9	25.0	9.5	40.0	5.9	16.0	14.8	12.5	19.0	6.3	37.7	10.0	23.8	29.9	7.9
	1.0	25.0	9.5	31.3	7.6	50.0	4.8	20.0	11.9	15.6	15.2	7.8	30.4	12.5	19.0	37.3	6.4
	1.25	31.3	7.6	39.1	6.1	62.5	3.8	25.0	9.5	19.5	12.2	9.8	24.2	15.6	15.2	46.6	5.1
	1.6	40.0	5.9	50.0	4.8	80.0	3.0	32.0	7.4	25.0	9.5	12.5	19.0	20.0	11.9	59.7	4.0
	2.0	50.0	4.8	62.5	3.8	100.0	2.4	40.0	5.9	31.3	7.6	15.6	15.2	25.0	9.5	74.6	3.2
	2.5	62.5	3.8	78.1	3.0	125.0	1.9	50.0	4.8	39.1	6.1	19.5	12.2	31.3	7.6	93.3	2.5
	3.2	80.0	3.0	100.0	2.4	160.0	1.5	64.0	3.7	50.0	4.8	25.0	9.5	40.0	5.9	119.4	2.0
	4.0	100.0	2.4	125.0	1.9	200.0	1.2	80.0	3.0	62.5	3.8	31.3	7.6	50.0	4.8	149.3	1.6
	5.0	125.0	1.9	156.3	1.5	250.0	1.0	100.0	2.4	78.1	3.0	39.1	6.1	62.5	3.8	186.6	1.3
6.0*	150.0	1.6	187.5	1.3	300.0	0.8	120.0	2.0	93.8	2.5	46.9	5.1	75.0	3.2	223.9	1.1	
40×/6B	0.63	25.2	9.5	31.5	7.6	50.4	4.8	20.2	11.9	15.8	15.2	7.9	30.4	12.6	19.0	37.6	6.4
	0.8	32.0	7.5	40.0	6.0	64.0	3.8	25.6	9.4	20.0	12.0	10.0	24.0	16.0	15.0	47.8	5.0
	1.0	40.0	6.0	50.0	4.8	80.0	3.0	32.0	7.5	25.0	9.6	12.5	19.2	20.0	12.0	59.7	4.0
	1.25	50.0	4.8	62.5	3.8	100.0	2.4	40.0	6.0	31.3	7.7	15.6	15.4	25.0	9.6	74.6	3.2
	1.6	64.0	3.8	80.0	3.0	128.0	1.9	51.2	4.7	40.0	6.0	20.0	12.0	32.0	7.5	95.5	2.5
	2.0	80.0	3.0	100.0	2.4	160.0	1.5	64.0	3.8	50.0	4.8	25.0	9.6	40.0	6.0	119.4	2.0
	2.5	100.0	2.4	125.0	1.9	200.0	1.2	80.0	3.0	62.5	3.8	31.3	7.7	50.0	4.8	149.3	1.6
	3.2	128.0	1.9	160.0	1.5	256.0	0.9	102.4	2.3	80.0	3.0	40.0	6.0	64.0	3.8	191.0	1.3
	4.0	160.0	1.5	200.0	1.2	320.0	0.8	128.0	1.9	100.0	2.4	50.0	4.8	80.0	3.0	238.8	1.0
	5.0	200.0	1.2	250.0	1.0	400.0	0.6	160.0	1.5	125.0	1.9	62.5	3.8	100.0	2.4	298.5	0.8
6.0*	240.0	1.0	300.0	0.8	480.0	0.5	192.0	1.3	150.0	1.6	75.0	3.2	120.0	2.0	358.2	0.7	

\* Position 6.0 for MZ95 only