



Leica M205 A, M205 C M165 C & M125

Stereomicroscopes Technical Information

Living up to Life

Leica
MICROSYSTEMS

Technical Data

Performance Characteristics



	Leica M125	Leica M165 C	Leica M205 C / M205 A
Optical data	12.5 : 1 manual	16.5 : 1 manual	20.5 : 1 manual/motorized with FusionOptics™
Zoom			
Data with standard optics (1× objective/10× eyepieces) – Zoom range – Resolution – Working distance – Object field	8×–100× max. 432lp/mm 61.5 mm (planapochromatic) Ø 28.8mm–2.3mm	7.3×–120× max. 453lp/mm 61.5mm (planapochromatic) Ø 31.5mm–1.92mm	7.8×–160× max. 525lp/mm 61.5mm (planapochromatic) Ø 29.5mm–1.44mm
Maximum values (based on optics combination) – Magnification – Resolution – Visible structural width – Numerical aperture – Object field	800× 864lp/mm 579nm 0.288 Ø 68mm	960× 906lp/mm 551nm 0.302 Ø 63mm	1280× 1050lp/mm 476nm 0.35 Ø 59mm
Working distances	135mm (0.5× planachromatic) 112mm (0.8× planachromatic) 67mm (0.63× planapochromatic) 61.5mm (1× planapochromatic) 30.5mm (1.6× planapochromatic) 20.1mm (2× planapochromatic)	135mm (0.5× planachromatic) 112mm (0.8× planachromatic) 67mm (0.63× planapochromatic) 61.5mm (1× planapochromatic) 30.5mm (1.6× planapochromatic) 20.1mm (2× planapochromatic)	135mm (0.5× planachromatic) 112mm (0.8× planachromatic) 67mm (0.63× planapochromatic) 61.5mm (1× planapochromatic) 30.5mm (1.6× planapochromatic) 20.1mm (2× planapochromatic)
Optics Carrier			
100% apochromatic optical system	CMO (Common Main Objective) lead-free	CMO (Common Main Objective) lead-free	CMO (Common Main Objective) lead-free
Coded/motorized function	–	Zoom, iris diaphragm, objective nosepiece (coded only)	Zoom, iris diaphragm, objective nosepiece (coded only)
Specific surface resistivity (housing)	2×10 ¹¹ Ω/mm ² discharge time <2 seconds from 1000V to 100V	2×10 ¹¹ Ω/mm ² discharge time <2 seconds from 1000V to 100V	2×10 ¹¹ Ω/mm ² discharge time <2 seconds from 1000V to 100V
Engageable zoom notches	10 for repetitive tasks	13 for repetitive tasks	14 for repetitive tasks (M205 C) Continuously variable control with SmartTouch™ or LAS (M205 A)
Double-iris diaphragm for depth of field control	Built-in	Built-in and encoded	Installed and coded (M205 C) / motorized (M205 A)

Accessories	Leica M125	Leica M165 C	Leica M205 C / M205 A
Standard objective (parfocal in the objective nosepiece)	1× planapochromat		
Additional objectives (parfocal in the objective nosepiece)	2× planapochromat, 1.6× planapochromat, 0.63× planapochromat,		
Objective revolver, parfocal 0.63×–2× Planapochromat, coded	Fast magnification change 5.12×–200×, parfocal	Fast magnification change 4.67×–240×, parfocal	Fast magnification change 4.99×–320×, parfocal
Binocular tubes, ergonomics	– Apochr. binocular and trinocular tubes with synchronized interpupillary distance adjustment – Various ErgoModules™ (optional)		
Interpupillary distance	50mm–105mm with the new trinocular ErgoTube®		
Wide-field eyepieces for eyeglass wearers	10×, 16×, 25×, 40×, with replaceable eyecups & click stop		
Manual coarse/fine focus	Focusing range 130mm/130mm, adjustable ease of movement		
Microscope carrier AX for stereo or vertical observation	For convergence-free imaging without lateral shift of the specimen		
PC interface	–	USB	USB

Module System

	Leica M125, M165 C, M205 C & M205 A
	Stands, illuminators
Transmitted-light stands	For brightfield, brightfield and darkfield, high-performance base: brightfield, single-side darkfield, with Rottermann contrast and CCIC
Incident-light stand	Large incident-light base with black-and-white stage insert and Antishock™ feet
Stages	Gliding stage, MATS heating stage, cup stage, rotating polarization stage, Leica IsoPro™ mechanical stage (manual and motorized)
Illuminators	LED5000 MCI™, LED5000 CXI™ and LED5000 RL, fluorescence, oblique, coaxial, cold-light sources
	Misc. accessories
Photography, video	Leica DFC digital image capture system, various camera variants, Leica IC D Leica IC A video module Various adapters for commercially available CCD cameras
Image archiving, image processing	Leica Application Suite (LAS), consisting of basic program and various auxiliary modules
Measurement graticules	For length measurements and counting
Vertical and oblique observation	45° side view around the complete object
Drawing tube	For both left and right-handed users
Discussion tube for training for two observers	For two observers

Leica M125 Optical Data

Objectives		Plan 0.5×		Planapo 0.63×		Plan 0.8×		Plan 1×	Planapo 1×	Planapo 1.6×		Planapo 2×	
Working distances		135mm		97mm	67mm	112mm		59mm	61.5mm	30.5mm		20.1mm	
Eyepieces	Zoom setting	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø
		×	mm	×	mm	×	mm	×	mm	×	mm	×	mm
10×/23B	0.8	4	57.5	5.12	44.9	6.4	35.9	8	28.8	12.8	18	16	14.4
	1	5	46	6.4	35.9	8	28.8	10	23	16	14.4	20	11.5
	1.25	6.25	36.8	8	28.8	10	23	12.5	18.4	20	11.5	25	9.2
	1.6	8	28.8	10.2	22.5	12.8	18	16	14.4	25.6	8.98	32	7.19
	2	10	23	12.8	18	16	14.4	20	11.5	32	7.19	40	5.75
	2.5	12.5	18.4	16	14.4	20	11.5	25	9.2	40	5.75	50	4.6
	3.2	16	14.4	20.5	11.2	25.6	8.98	32	7.19	51.2	4.49	64	3.59
	4	20	11.5	25.6	8.98	32	7.19	40	5.75	64	3.59	80	2.88
	5	25	9.2	32	7.19	40	5.75	50	4.6	80	2.88	100	2.3
	6.3	31.5	7.3	40.3	5.7	50.4	4.56	63	3.65	101	2.28	126	1.83
16×/15B	8	40	5.75	51.2	4.49	64	3.59	80	2.88	128	1.8	160	1.44
	10	50	4.6	64	3.59	80	2.88	100	2.3	160	1.44	200	1.15
	0.8	6.4	37.5	8.19	29.3	10.2	23.4	12.8	18.8	20.5	11.7	25.6	9.38
	1	8	30	10.2	23.4	12.8	18.8	16	15	25.6	9.38	32	7.5
	1.25	10	24	12.8	18.8	16	15	20	12	32	7.5	40	6
	1.6	12.8	18.8	16.4	14.6	20.5	11.7	25.6	9.38	41	5.86	51.2	4.69
	2	16	15	20.5	11.7	25.6	9.38	32	7.5	51.2	4.69	64	3.75
	2.5	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3
	3.2	25.6	9.38	32.8	7.32	41	5.86	51.2	4.69	81.9	2.93	102	2.34
	4	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88
25×/9.5B	5	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5
	6.3	50.4	4.76	64.5	3.72	80.6	2.98	101	2.38	161	1.49	202	1.19
	8	64	3.75	81.9	2.93	102	2.34	128	1.88	205	1.17	256	0.938
	10	80	3	102	2.34	128	1.88	160	1.5	256	0.938	320	0.75
	0.8	10	25	12.8	19.5	16	15.6	20	12.5	32	7.81	40	6.25
	1	12.5	20	16	15.6	20	12.5	25	10	40	6.25	50	5
	1.25	15.6	16	20	12.5	25	10	31.3	8	50	5	62.5	4
	1.6	20	12.5	25.6	9.77	32	7.81	40	6.25	64	3.91	80	3.13
	2	25	10	32	7.81	40	6.25	50	5	80	3.13	100	2.5
	2.5	31.3	8	40	6.25	50	5	62.5	4	100	2.5	125	2
40×/6B	3.2	40	6.25	51.2	4.88	64	3.91	80	3.13	128	1.95	160	1.56
	4	50	5	64	3.91	80	3.13	100	2.5	160	1.56	200	1.25
	5	62.5	4	80	3.13	100	2.5	125	2	200	1.25	250	1
	6.3	78.8	3.17	101	2.48	126	1.98	158	1.59	252	0.992	315	0.794
	8	100	2.5	128	1.95	160	1.56	200	1.25	320	0.781	400	0.625
	10	125	2	160	1.56	200	1.25	250	1	400	0.625	500	0.5
	0.8	16	15	20.5	11.7	25.6	9.38	32	7.5	51.2	4.69	64	3.75
	1	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3
	1.25	25	9.6	32	7.5	40	6	50	4.8	80	3	100	2.4
	1.6	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88
40×/6B	2	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5
	2.5	50	4.8	64	3.75	80	3	100	2.4	160	1.5	200	1.2
	3.2	64	3.75	81.9	2.93	102	2.34	128	1.88	205	1.17	256	0.938
	4	80	3	102	2.34	128	1.88	160	1.5	256	0.938	320	0.75
	5	100	2.4	128	1.88	160	1.5	200	1.2	320	0.75	400	0.6
	6.3	126	1.9	161	1.49	202	1.19	252	0.952	403	0.595	504	0.476
	8	160	1.5	205	1.17	256	0.938	320	0.75	512	0.469	640	0.375
	10	200	1.2	256	0.938	320	0.75	400	0.6	640	0.375	800	0.3

Leica M165 C Optical Data

Objectives		Plan 0.5×		Planapo 0.63×		Plan 0.8×		Plan 1×	Planapo 1×	Planapo 1.6×		Planapo 2×	
Working distances		135mm		97mm	67mm	112mm		59mm	61.5mm	30.5mm		20.1mm	
Eyepieces	Zoom setting	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø
		×	mm	×	mm	×	mm	×	mm	×	mm	×	mm
10×/23B	0.73	3.65	63	4.67	49.2	5.84	39.4	7.3	31.5	11.7	19.7	14.6	15.8
	1	5	46	6.4	35.9	8	28.8	10	23	16	14.4	20	11.5
	1.6	8	28.8	10.2	22.5	12.8	18	16	14.4	25.6	8.98	32	7.19
	2	10	23	12.8	18	16	14.4	20	11.5	32	7.19	40	5.75
	2.5	12.5	18.4	16	14.4	20	11.5	25	9.2	40	5.75	50	4.6
	3.2	16	14.4	20.5	11.2	25.6	8.98	32	7.19	51.2	4.49	64	3.59
	4	20	11.5	25.6	8.98	32	7.19	40	5.75	64	3.59	80	2.88
	5	25	9.2	32	7.19	40	5.75	50	4.6	80	2.88	100	2.3
	6.3	31.5	7.3	40.3	5.7	50.4	4.56	63	3.65	101	2.28	126	1.83
	8	40	5.75	51.2	4.49	64	3.59	80	2.88	128	1.8	160	1.44
	10	50	4.6	64	3.59	80	2.88	100	2.3	160	1.44	200	1.15
	12	60	3.83	76.8	2.99	96	2.4	120	1.92	192	1.2	240	0.96
16×/15B	0.73	5.84	41.1	7.48	32.1	9.34	25.7	11.7	20.5	18.7	12.8	23.4	10.3
	1	8	30	10.2	23.4	12.8	18.8	16	15	25.6	9.38	32	7.5
	1.6	12.8	18.8	16.4	14.6	20.5	11.7	25.6	9.38	41	5.86	51.2	4.69
	2	16	15	20.5	11.7	25.6	9.38	32	7.5	51.2	4.69	64	3.75
	2.5	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3
	3.2	25.6	9.38	32.8	7.32	41	5.86	51.2	4.69	81.9	2.93	102	2.34
	4	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88
	5	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5
	6.3	50.4	4.76	64.5	3.72	80.6	2.98	101	2.38	161	1.49	202	1.19
	8	64	3.75	81.9	2.93	102	2.34	128	1.88	205	1.17	256	0.94
	10	80	3	102	2.34	128	1.88	160	1.5	256	0.94	320	0.75
	12	96	2.5	123	1.95	154	1.56	192	1.25	307	0.78	384	0.63
25×/9.5B	0.73	9.13	27.4	11.7	21.4	14.6	17.1	18.3	13.7	29.2	8.56	36.5	6.85
	1	12.5	20	16	15.6	20	12.5	25	10	40	6.25	50	5
	1.6	20	12.5	25.6	9.77	32	7.81	40	6.25	64	3.91	80	3.13
	2	25	10	32	7.81	40	6.25	50	5	80	3.13	100	2.5
	2.5	31.3	8	40	6.25	50	5	62.5	4	100	2.5	125	2
	3.2	40	6.25	51.2	4.88	64	3.91	80	3.13	128	1.95	160	1.56
	4	50	5	64	3.91	80	3.13	100	2.5	160	1.56	200	1.25
	5	62.5	4	80	3.13	100	2.5	125	2	200	1.25	250	1
	6.3	78.8	3.17	101	2.48	126	1.98	158	1.59	252	0.99	315	0.79
	8	100	2.5	128	1.95	160	1.56	200	1.25	320	0.78	400	0.63
	10	125	2	160	1.56	200	1.25	250	1	400	0.63	500	0.5
	12	150	1.67	192	1.3	240	1.04	300	0.83	480	0.52	600	0.42
40×/6B	0.73	14.6	16.4	18.7	12.8	23.4	10.3	29.2	8.22	46.7	5.14	58.4	4.11
	1	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3
	1.6	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88
	2	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5
	2.5	50	4.8	64	3.75	80	3	100	2.4	160	1.5	200	1.2
	3.2	64	3.75	81.9	2.93	102	2.34	128	1.88	205	1.17	256	0.94
	4	80	3	102	2.34	128	1.88	160	1.5	256	0.94	320	0.75
	5	100	2.4	128	1.88	160	1.5	200	1.2	320	0.75	400	0.6
	6.3	126	1.9	161	1.49	202	1.19	252	0.95	403	0.60	504	0.48
	8	160	1.5	205	1.17	256	0.94	320	0.75	512	0.47	640	0.38
	10	200	1.2	256	0.94	320	0.75	400	0.6	640	0.38	800	0.3
	12	240	1	307	0.78	384	0.63	480	0.5	768	0.31	960	0.25

Optical data for Leica M205 A / M205 C

Objektive		Plan 0.5×		Planapo 0.63×		Plan 0.8×		Plan 1×	Planapo 1×	Planapo 1.6×		Planapo 2×	
Working distances		135 mm		97 mm	67 mm	112 mm		59 mm	61.5 mm	30.5 mm		20.1 mm	
Eyepieces	Zoom setting	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø	Total mag.	Object field Ø
		×	mm	×	mm	×	mm	×	mm	×	mm	×	mm
10×/23B	0.78	3.9	59	4.99	46.1	6.24	36.9	7.8	29.5	12.5	18.4	15.6	14.7
	1.0	5	46	6.4	35.9	8	28.8	10	23	16	14.4	20	11.5
	1.6	8	28.8	10.2	22.5	12.8	18	16	14.4	25.6	8.98	32	7.19
	2.0	10	23	12.8	18	16	14.4	20	11.5	32	7.19	40	5.75
	2.5	12.5	18.4	16	14.4	20	11.5	25	9.2	40	5.75	50	4.6
	4.0	20	11.5	25.6	8.98	32	7.19	40	5.75	64	3.59	80	2.88
	5.0	25	9.2	32	7.19	40	5.75	50	4.6	80	2.88	100	2.3
	6.3	31.5	7.3	40.3	5.7	50.4	4.56	63	3.65	101	2.28	126	1.83
	8.0	40	5.75	51.2	4.49	64	3.59	80	2.88	128	1.8	160	1.44
	10.0	50	4.6	64	3.59	80	2.88	100	2.3	160	1.44	200	1.15
	12.5	62.5	3.68	80	2.88	100	2.3	125	1.84	200	1.15	250	0.92
	16.0	80	2.88	102	2.25	128	1.8	160	1.44	256	0.90	320	0.72
16×/15B	0.78	6.24	38.5	7.9	19.6	9.98	24	12.5	19.2	20	12	25	9.62
	1.0	8	30	10.1	14.0	12.8	18.8	16	15	25.6	9.38	32	7.5
	1.6	12.8	18.8	16.1	11.2	20.5	11.7	25.6	9.38	41	5.86	51.2	4.69
	2.0	16	15	20.2	9.0	25.6	9.38	32	7.5	51.2	4.69	64	3.75
	2.5	20	12	25.2	7.0	32	7.5	40	6	64	3.75	80	3
	4.0	32	7.5	40.3	5.6	51.2	4.69	64	3.75	102	2.34	128	1.88
	5.0	40	6	50.4	4.5	64	3.75	80	3	128	1.88	160	1.5
	6.3	50.4	4.76	63.5	3.5	80.6	2.98	101	2.38	161	1.49	202	1.19
	8.0	64	3.75	80.6	3.1	102	2.34	128	1.88	205	1.17	256	0.94
	10.0	80	3	100.8	2.8	128	1.88	160	1.5	256	0.94	320	0.75
	12.5	100	2.4	126	2.2	160	1.5	200	1.2	320	0.75	400	0.6
	16.0	128	1.88	161.3	1.8	205	1.17	256	0.94	410	0.59	512	0.47
25×/9.5B	0.78	9.75	25.6	12.5	20	15.6	16	19.5	12.8	31.2	8.01	39	6.41
	1.0	12.5	20	16	15.6	20	12.5	25	10	40	6.25	50	5
	1.6	20	12.5	25.6	9.77	32	7.81	40	6.25	64	3.91	80	3.13
	2.0	25	10	32	7.81	40	6.25	50	5	80	3.13	100	2.5
	2.5	31.3	8	40	6.25	50	5	62.5	4	100	2.5	125	2
	4.0	50	5	64	3.91	80	3.13	100	2.5	160	1.56	200	1.25
	5.0	62.5	4	80	3.13	100	2.5	125	2	200	1.25	250	1
	6.3	78.8	3.17	101	2.48	126	1.98	158	1.59	252	0.99	315	0.79
	8.0	100	2.5	128	1.95	160	1.56	200	1.25	320	0.78	400	0.63
	10.0	125	2	160	1.56	200	1.25	250	1	400	0.63	500	0.5
	12.5	156	1.6	200	1.25	250	1	313	0.8	500	0.5	625	0.4
	16.0	200	1.25	256	0.98	25	9.62	400	0.63	640	0.39	800	0.31
40×/6B	0.78	15.6	15.4	20	12	25	9.62	31.2	7.69	49.9	4.81	62.4	3.85
	1.0	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3
	1.6	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88
	2.0	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5
	2.5	50	4.8	64	3.75	80	3	100	2.4	160	1.5	200	1.2
	4.0	80	3	102	2.34	128	1.88	160	1.5	256	0.94	320	0.75
	5.0	100	2.4	128	1.88	160	1.5	200	1.2	320	0.75	400	0.6
	6.3	126	1.9	161	1.49	202	1.19	252	0.95	403	0.60	504	0.48
	8.0	160	1.5	205	1.17	256	0.94	320	0.75	512	0.47	640	0.38
	10.0	200	1.2	256	0.94	320	0.75	400	0.6	640	0.38	800	0.3
	12.5	250	0.96	320	0.75	400	0.6	500	0.48	800	0.3	1000	0.24
	16.0	320	0.75	410	0.59	512	0.47	640	0.38	1024	0.23	1280	0.19

Digital camera systems

- 12 730 209 Leica DFC295 camera kit
- 12 730 202 Leica DFC290 HD camera kit
- 12 730 203 Leica DFC400 camera kit
- 12 730 077 Leica DFC420 camera kit
- 12 730 081 Leica DFC420 C camera kit
- 12 730 078 Leica DFC490 camera kit
- 12 730 042 Leica DFC300 FX camera kit
- 12 730 076 Leica DFC340 FX camera kit
- 11 547 000 Leica DFC360 FX camera kit
- 12 730 066 Leica DFC500 camera kit

Digital camera system accessories

- 12 446 120 FireWire cable, FWa, 3m, 6-pin to 6-pin
- 12 446 140 FireWire cable, FWa, 4m, 6-pin to 6-pin
- 12 730 186 FireWire cable, FWb, 3m, 9-pin to 9-pin
- 12 730 187 FireWire cable, FWab, 3m, 6-pin to 9-pin
- 12 730 211 HDMI cable, 3m, HDMI on both sides
- 12 730 183 OHCI FireWire PCI32 card, FWa
- 12 730 210 OHCI FireWire PCI Express card, FWb
- 12 447 066 Laptop PCMCIA FireWire interface card for FWa
- 12 730 188 Laptop power kit, for use with 4-pin or unfed 6-pin FireWire connectors

Phototubes and C-mounts

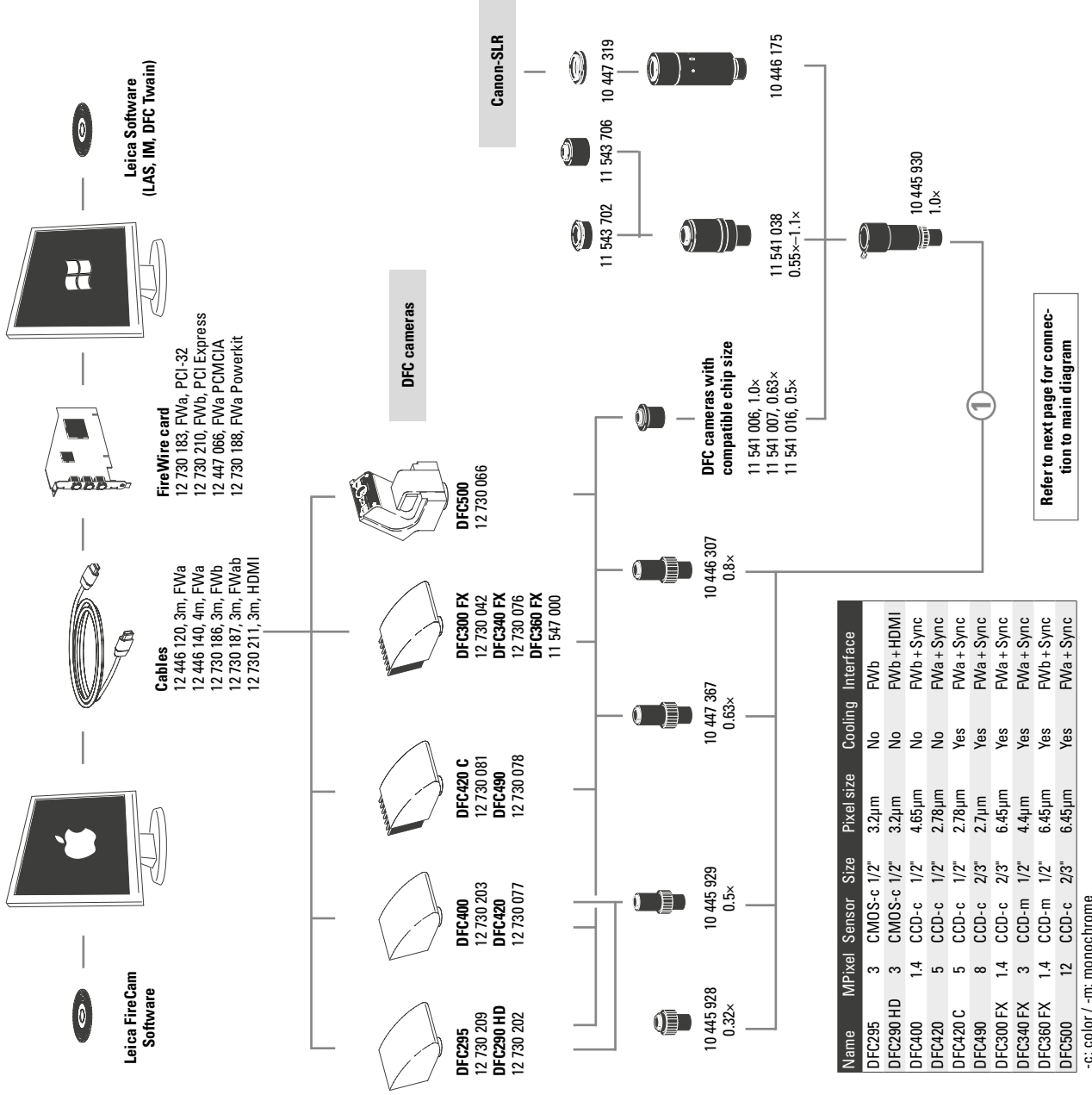
- 11 543 702 B-mount head 1x for TV optics 0.5x HC
- 11 543 706 C-mount head 1x for TV optics 0.5x HC
- 11 541 038 Vario TV adapter 0.55x-1.1x
- 10 447 319 Adapter T2, Canon EOS
- 10 446 175 SLR projective 2.5, for use with reflex cameras with T2 thread

- 10 445 928 Video objective 0.32x with C-mount for 1/3" digital cameras
- 10 445 929 Video objective 0.5x with C-mount for 1/2" digital cameras
- 10 447 367 Video objective 0.63x with C-mount for 2/3" digital cameras
- 10 446 307 Video objective 0.8x with C-mount for 2/3" digital cameras
- 11 541 016 Video objective 0.5x with C-mount for 1/2" digital cameras
- 11 541 007 Video objective 0.63x with C-mount for 2/3" digital cameras
- 11 541 006 Video objective 1.0x with C-mount for 1" digital cameras
- 10 445 930 Video/photo objective 1.0x

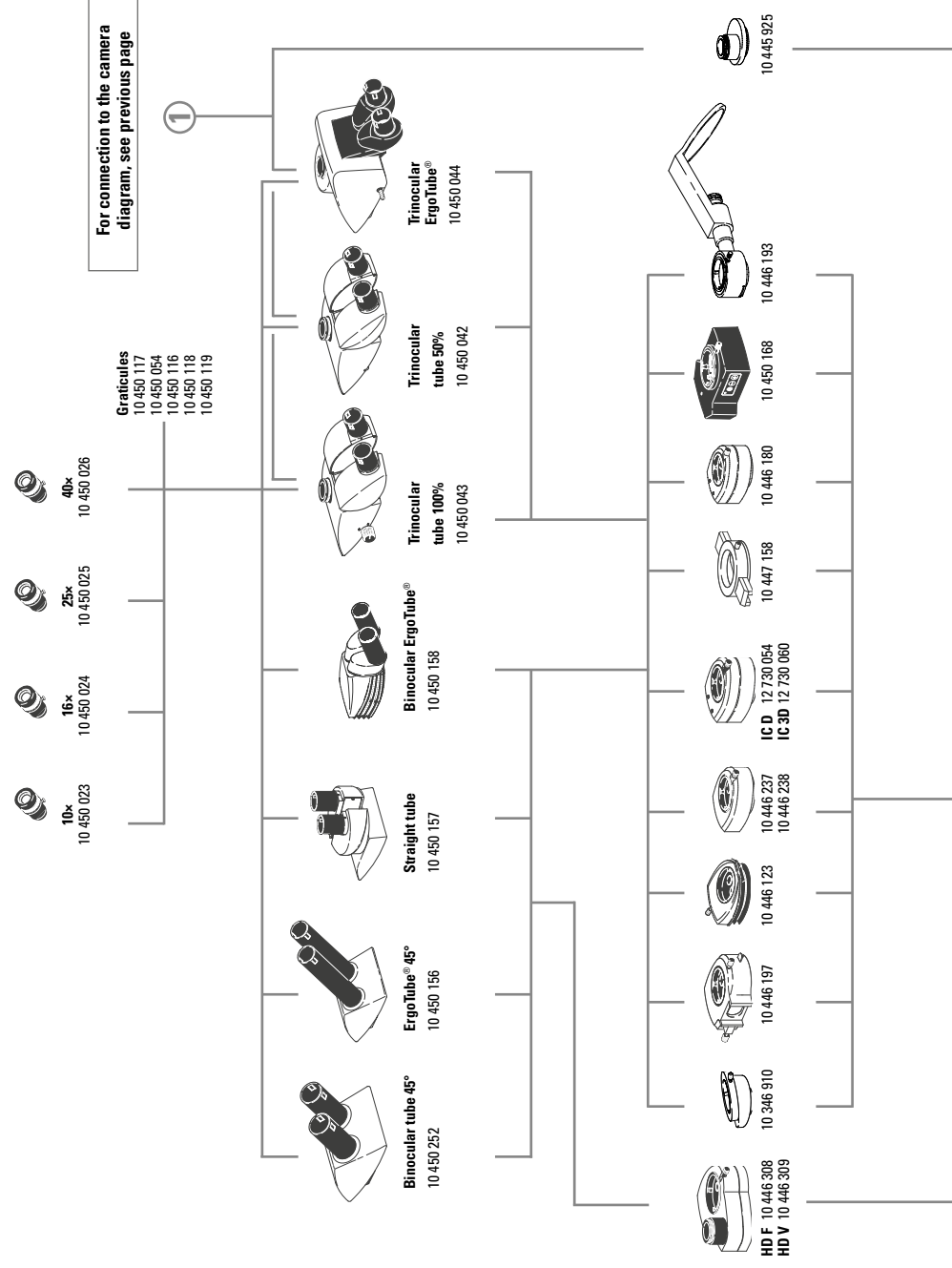
Eyepieces and tubes

- 10 450 196 Replacement eyecups for wide-field eyepieces for eyeglass wearers
- 10 450 023 Wide-field eyepieces for eyeglass wearers 10x/23, distortion-free, dioptic correction, with eyecups*
- 10 450 024 Wide-field eyepieces for eyeglass wearers 16x/15, distortion-free, dioptic correction, with eyecups*
- 10 450 025 Wide-field eyepieces for eyeglass wearers 25x/9.5, distortion-free, dioptic correction, with eyecups*
- 10 450 026 Wide-field eyepieces for eyeglass wearers 40x/6, distortion-free, dioptic correction, with eyecups*

* replaceable



- 10 450 117 Graticule, 10mm/0.1mm
 10 450 054 Graticule for M series with encoding
 10 450 116 Graticule, 5mm/0.05mm
 10 450 118 Graticule, 100 scale intervals/0.001"
 10 450 119 Graticule, crosshair
- 10 450 252 Inclined binocular tube, 45° viewing angle
 10 450 156 Binocular ErgoTube® with 45° viewing angle and long tubes
 10 450 157 Binocular straight tube with 90° viewing angle
 10 450 158 Binocular ErgoTube® with variable viewing angle 10°–50°
 10 450 042 Trinocular video/phototube 50%, 30° viewing angle
 10 450 043 Trinocular video/phototube 100%, 30° viewing angle
 10 450 044 Trinocular video/phototube 100%, 5°–45° viewing angle
- 10 446 123 ErgoWedge® 5° – 25°
 10 346 910 ErgoWedge® ±15
 10 446 197 Video/phototube HD-50
 10 446 308 Video/phototube HD-F, 50%, 50%
 10 446 309 Video/phototube HD-V, 100%, 50%, 50%, 100%
 10 446 237 Leica IC A video module with integrated CCD and camera control, PAL
 10 446 238 Leica IC A video module with integrated CCD and camera control, NTSC
 12 730 054 Leica IC D camera kit
 12 730 060 Leica IC 3D camera kit
 10 447 158 Filter slide housing with 2 filter slides
- 10 446 180 Coaxial incident light-housing for fiber-optic light
 10 445 925 Video/phototube A
 10 446 193 Drawing tube
 10 479 887 Discussion tube with carrier
- Zoom systems and accessories**
 10 450 034 Leica M125, 12.5:1 zoom system, apochromatic
 10 450 035 Leica M165 C, 16.5:1 zoom system, apochromatic, electronically encoded
 10 450 036 Leica M205 C, 20.5:1 zoom system, apochromatic, electronically coded, with FusionOptics™
 10 450 037 Leica M205 A, 20.5:1 zoom, apochr. corr., motorized, with FusionOptics™
 10 450 045 Objective nosepiece for quickly changing two objectives
 10 450 047 Microscope carrier AX with toggle feature for axial photography
 10 450 201 Ergo-Intermediate™ adapter
 10 450 104 Microscope carrier for MZ-series optics carriers
 10 450 265 Arm for attaching waveguides
- Objectives and optical accessories**
 10 446 157 0.5× planachr. objective, working distance 135mm, Ø 66mm
 10 447 075 0.8× planachr. objective, working distance 112mm, Ø 66mm
 10 445 819 1× planachr. objective, working distance 59mm, Ø 66mm
 10 446 236 0.63× planapochr. objective, working distance 97mm, Ø 66mm
- Planapochromatic objectives, parfocal**
 10 450 027 Planapo objective 0.63×, working distance 67mm, Ø 80mm
 10 450 028 Planapo objective 1.0×, working distance 61.5mm, Ø 80mm



10 450 029 Planapo objective 1.6x, working distance 30.5mm, Ø 80mm
10 450 030 Planapo objective 2x, working distance 20.1mm, Ø 80mm

Achromat objectives

10 450 191 Achromat objective 0.32x, working distance 303mm, Ø 58mm
10 450 192 Achromat objective 0.5x, working distance 188.5mm, Ø 58mm
10 450 160 Achromat objective 0.63x, working distance 148mm, Ø 58mm
10 450 161 Achromat objective 0.8x, working distance 114mm, Ø 58mm
10 450 159 Achromat objective 1.0x, working distance 89.6mm, Ø 58mm
10 450 162 Achromat objective 1.25x, working distance 65.5mm, Ø 58mm
10 450 163 Achromat objective 1.6x, working distance 46mm, Ø 58mm
10 450 164 Achromat objective 2x, working distance 41.5mm, Ø 58mm
10 450 296 Adapter with external diameter M65 × 1/internal diameter M60 × 1.5

10 450 065 Analyzer in rotatable mount, Ø 80mm, for planachromatic and planapochromatic Ø 80mm

10 450 066 Quarter-wave plate, Ø 80mm, for use with microscope carrier

AX with coaxial incident light

10 367 929 Analyzer in revolving mount for Ø 66mm planachromat and planapochromat

10 446 393 Intermediate ring

10 446 300 Intermediate ring

10 411 589 1x achromatic objective

10 445 156 Attachment for vertical and oblique observation® for

1x achromatic objective

ILLUMINATORS

10 450 060 Leica LED5000 MCI™ (Multi Contrast Illumination): three adjustable illumination arcs, each with three LEDs for complete integration in the stereomicroscope; modes fully reproducible with Leica Application Suite including automatic changing of multiple illumination scenarios

10 450 061 Leica LED5000 RL – ring light with Ø 80mm and 48 LEDs for complete integration in the stereomicroscope; modes fully reproducible with Leica Application Suite including automatic changing of multiple illumination scenarios

10 450 168 Leica LED5000 CXI™ – coaxial incident light illumination with integrated LED illumination for M-series, with CTL2 connector and cable

10 450 169 LED3000 NVI™ – vertical illumination for M50/M80, for use of objectives with 58 mm external diameter

10 450 205 Combination waveguide adapter for fitting on the focusing column

Incident and transmitted-light bases

10 450 049 Incident-light base

10 450 123 Transmitted-light base TL ST

10 450 124 Transmitted-light base BFDF

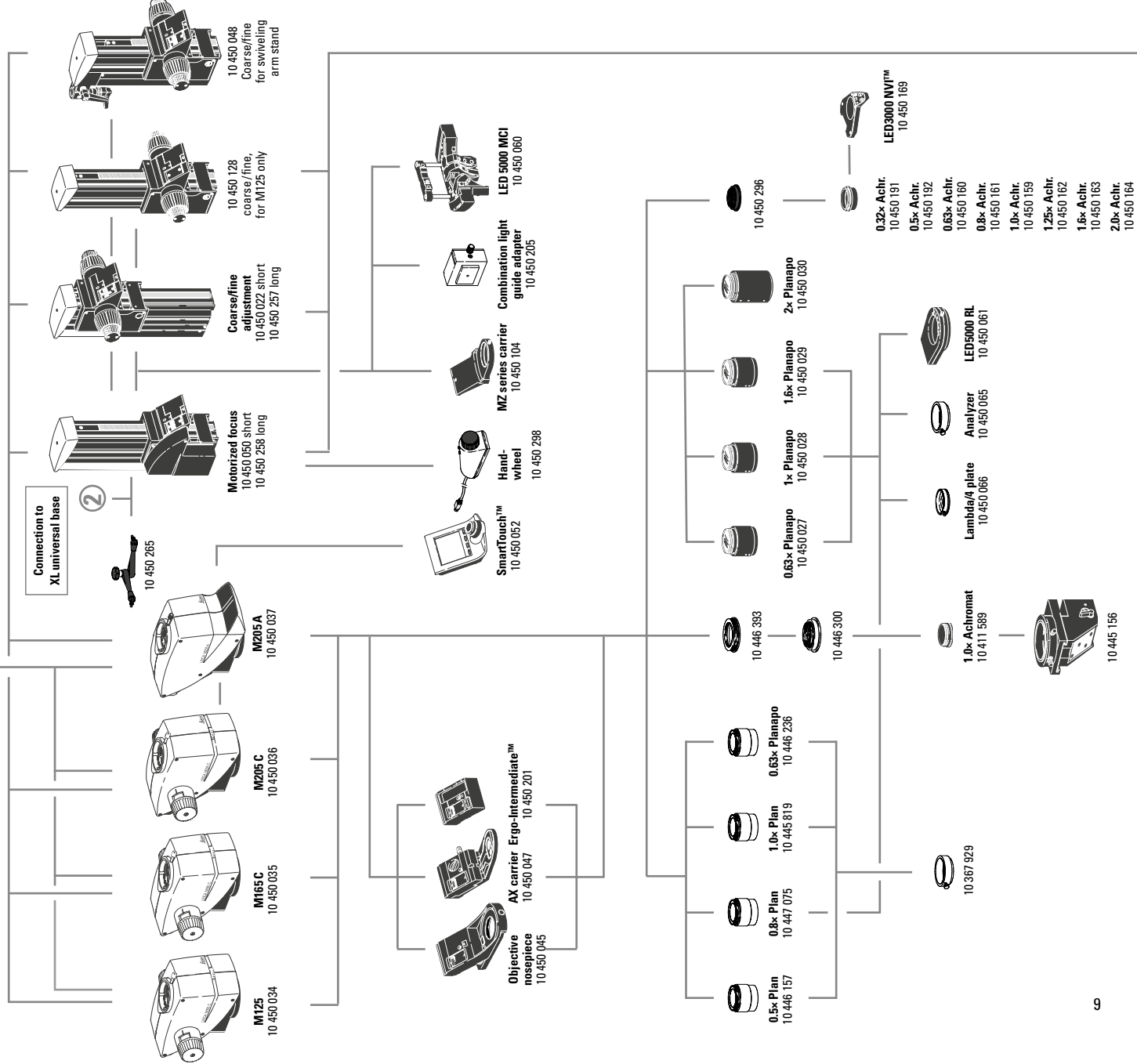
10 450 125 Transmitted-light base TL RC™ for external cold-light sources

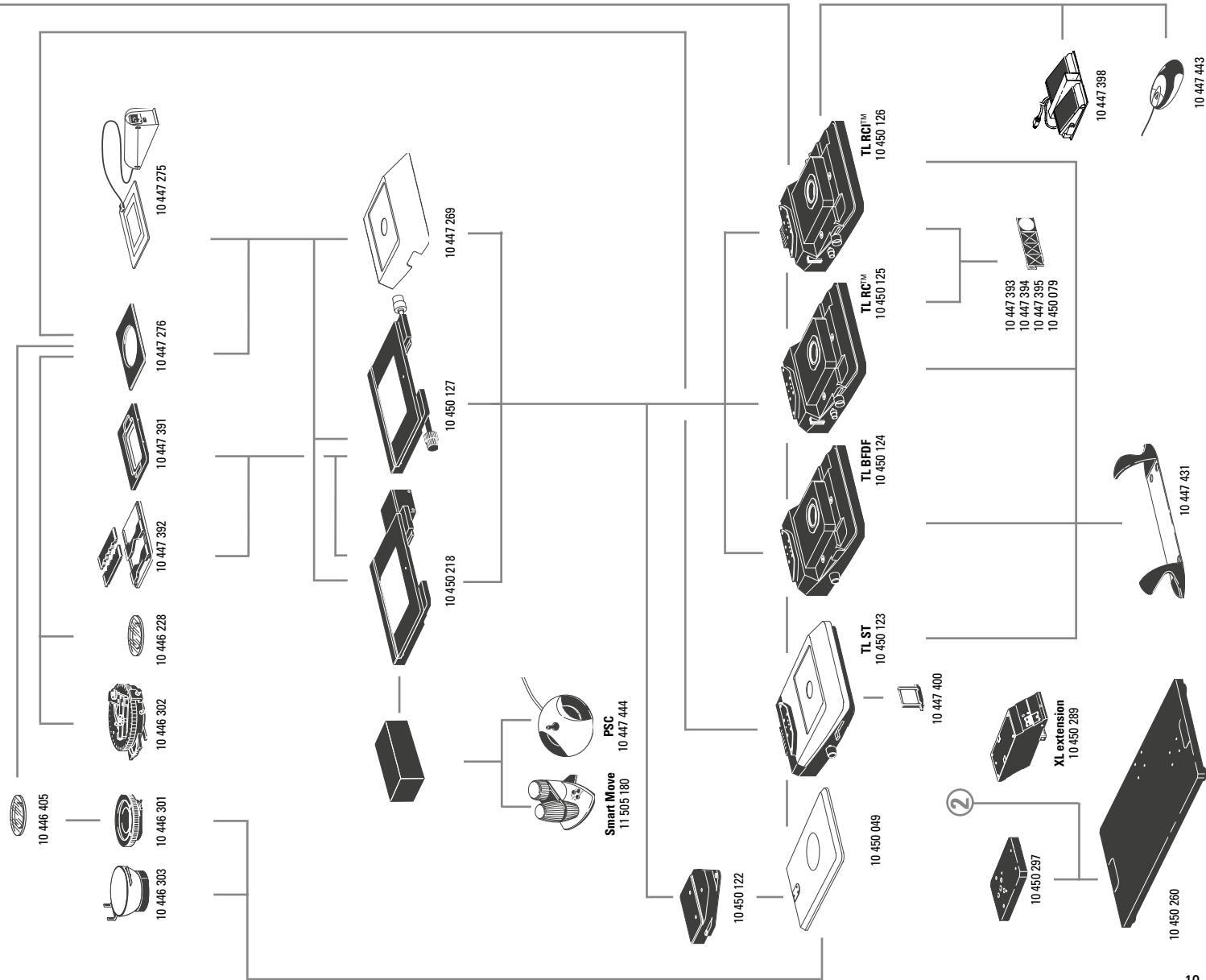
10 450 126 Transmitted-light base TL RCI™ with integrated halogen illumination

10 450 260 Universal base XL for specimens up to 300 × 300mm

10 450 297 Adapter for universal base 10 450 260 for all swiveling arm columns

10 450 289 XL extension – for positioning Leica stereomicroscopes on universal base 10 450 260





Stages

- 10 447 269 Standard stage for transmitted-light bases TL BFDf, TL RC™ and TL RCi™
- 10 450 127 Leica IsoPro™ manual mechanical stage for transmitted-light bases TL BFDf, TL RC™, TL RCi™ and incident-light base (with 10 450 122 adapter)
- 10 450 218 Leica IsoPro™ motorized mechanical stage for transmitted-light bases TL BFDf, TL RC™, TL RCi™ and incident-light base (with 10 450 122 adapter)
- 10 450 122 Adapter between mechanical stage and incident-light base 10 450 049
- 10 447 275 Leica MATS TL heating stage insert with control unit for TL bases
- 10 447 276 Adapter for stages with Ø120mm
- 10 447 391 Stage for LifeOnStage accessories
- 10 447 392 Universal carrier for Petri dishes, specimen slides (up to four) etc.
- 10 446 301 Gliding stage, Ø120mm
- 10 446 302 Polarization stage, Ø120mm
- 10 382 130 Attachable mechanical stage for polarization stage
- 10 361 719 Sensitive-tint plate for Pol rotating stage
- 10 446 303 Cup stage, Ø120mm
- 10 446 228 Glass stage plate with Pol, Ø120mm
- 10 450 058 Stage plate, b/w for TL bases
- 10 450 059 Additional buttons for IsoPro™ manual mechanical stage

Focusing drive

- 10 450 022 Focusing drive, coarse/fine, with 420mm profile column
- 10 450 257 Focusing drive, coarse/fine, with 620mm profile column
- 10 450 050 Motorized focus with 420mm profile column
- 10 450 258 Motorized focus with 620mm profile column
- 10 450 048 Focusing drive coarse/fine for swiveling arm stand
- 10 450 128 Focusing drive coarse/fine for M125

Filters

- 10 447 400 Daylight filter for TL ST base
- 10 447 394 BG38 filter for TL RC™/RCi™ transmitted-light base
- 10 447 395 UV filter for TL RC™/RCi™ base
- 10 447 393 ND filter (gray filter) for TL RC™/RCi™ base
- 10 450 079 Daylight filter for TL RCi™ base

Controls

- 10 447 443 Leica USB mouse, freely programmable, five-button mouse for connection to TL RCi™ transmitted-light base or PC
- 11 505 180 Leica Smart Move control unit for
- 10 447 444 Leica PSC motorized mechanical stage
- 10 447 444 Leica PSC control unit for
- 10 450 052 SmartTouch™, external control unit with integr. touchscreen for status control and control of all settings and functions
- 10 450 298 Manual controller for motor focus

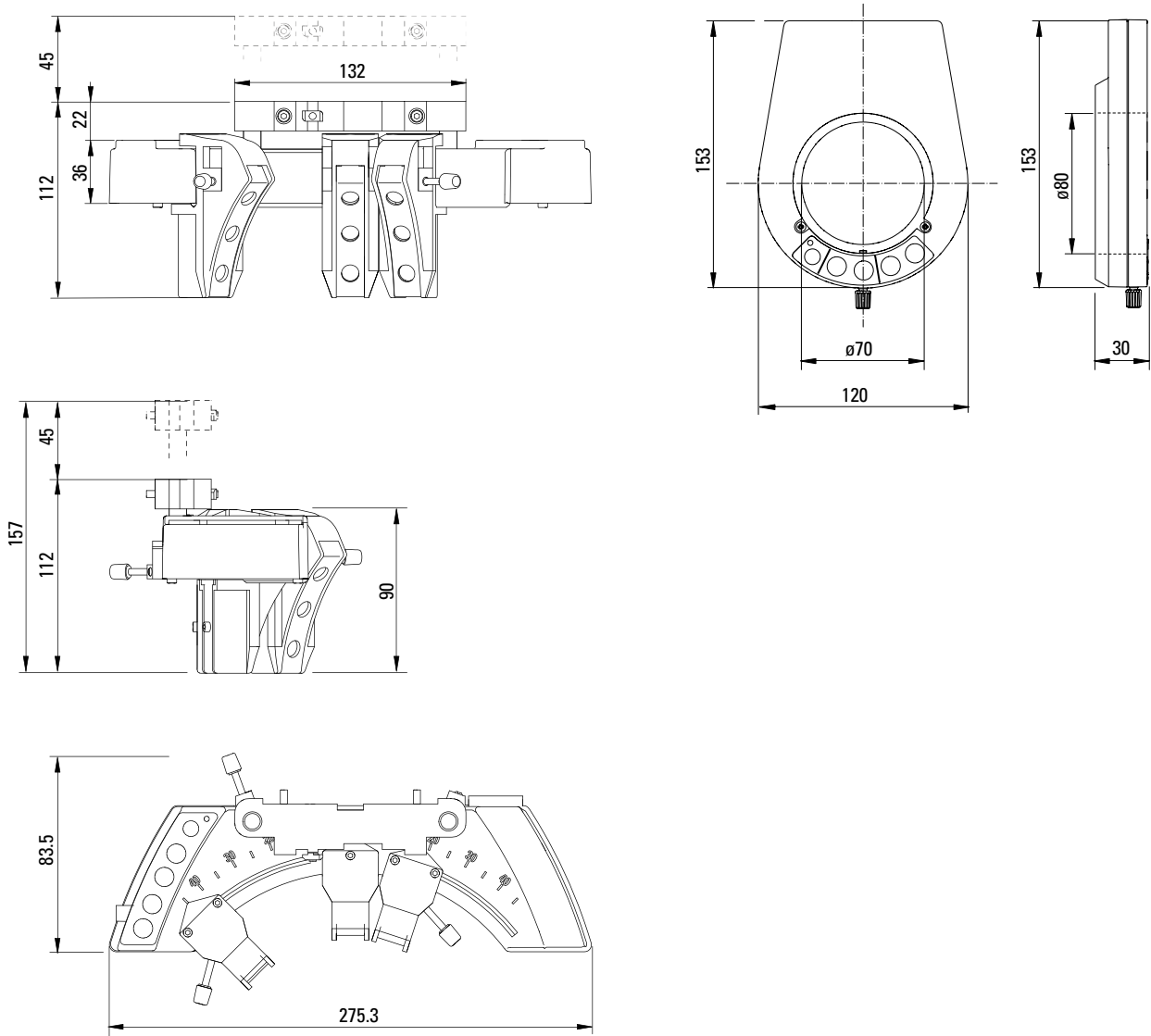
Ergonomic accessories

- 10 447 431 Leica ErgoRest™ handrest for fatigue-free working

LED5000 MCI™

LED5000 RL

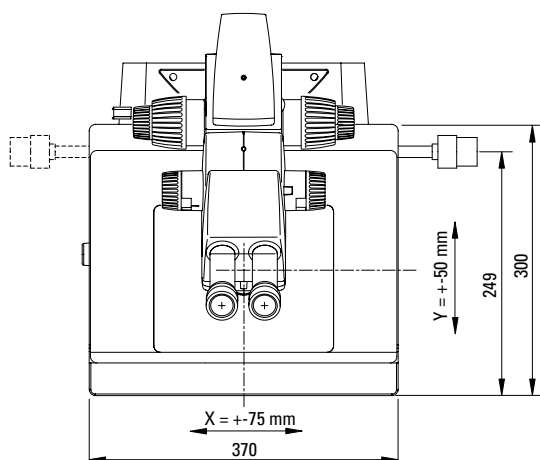
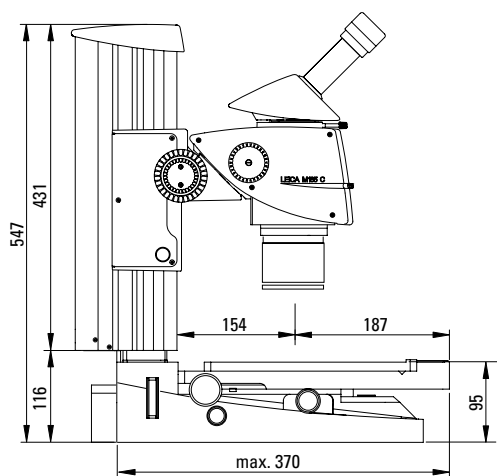
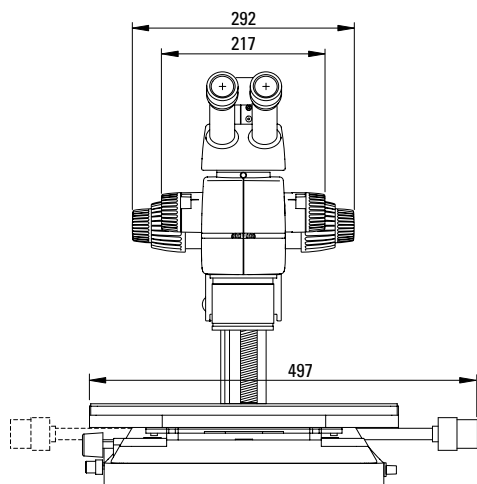
Dimensions in mm



Leica M165 C/M125

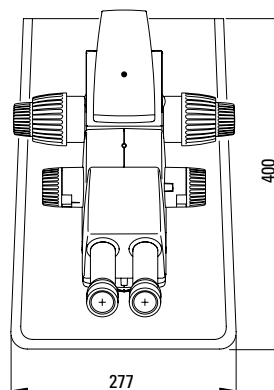
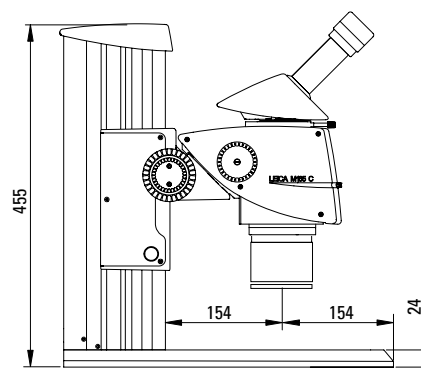
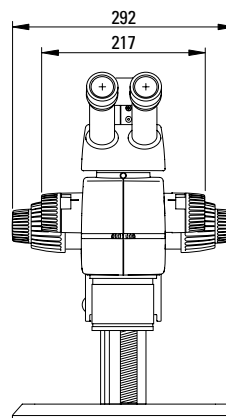
with TL RC™ transmitted-light stand, Leica IsoPro™ manual mechanical stage and manual focusing drive

Dimensions in mm



Leica M165 C/M125

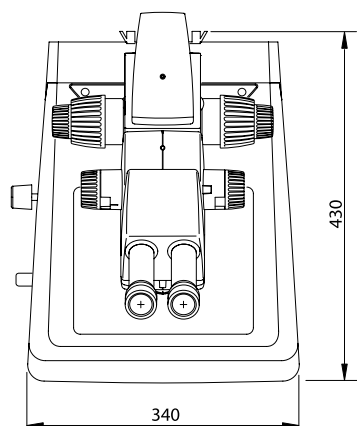
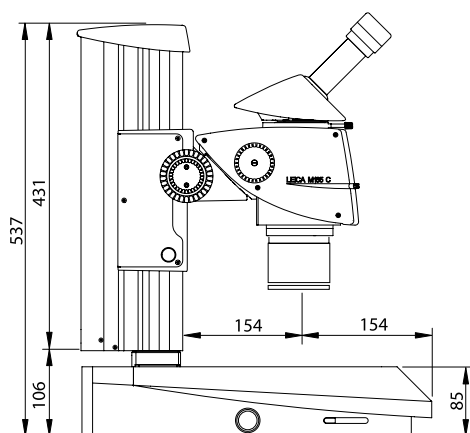
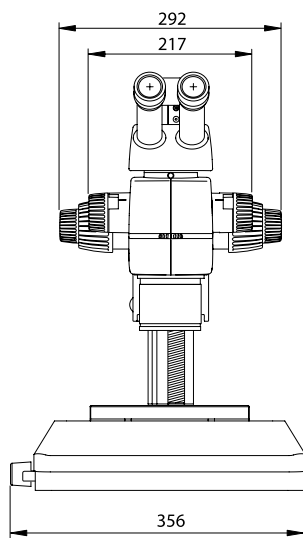
with incident-light base and new focusing column



Leica M165 C/M125

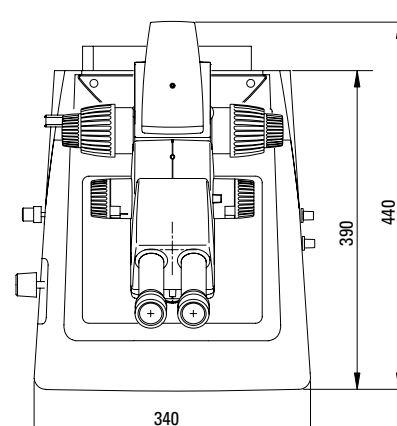
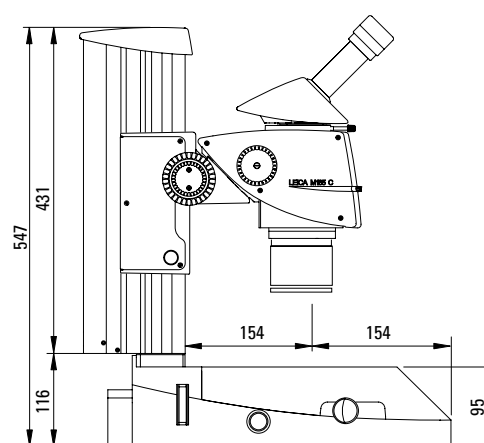
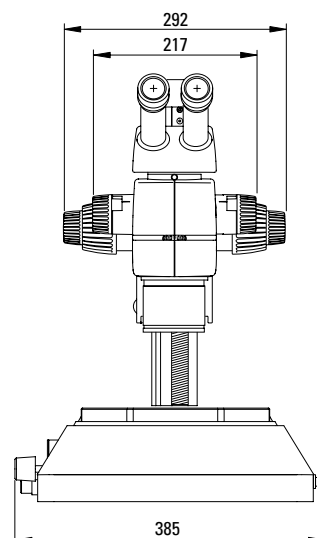
with TL ST transmitted-light base and manual focus

Dimensions in mm



Leica M165 C/M125

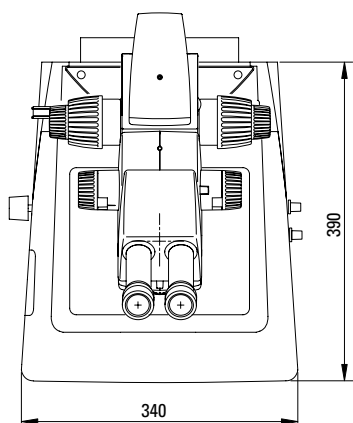
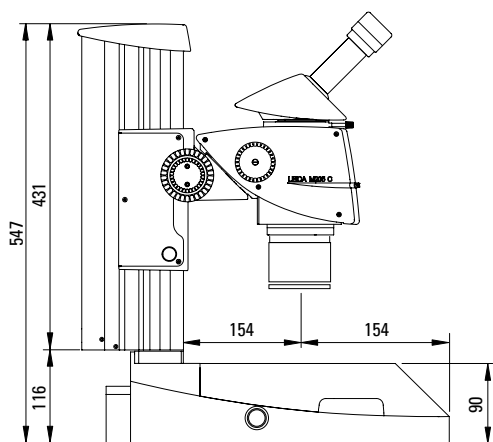
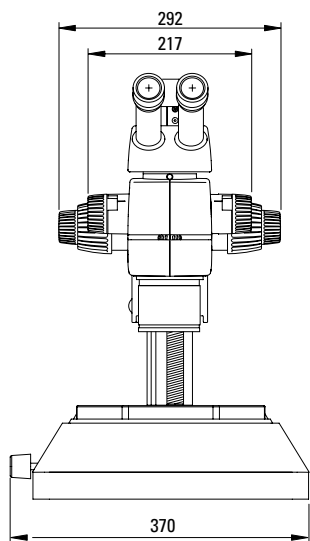
with TL RC™ transmitted-light stand and manual focus



Leica M205 C

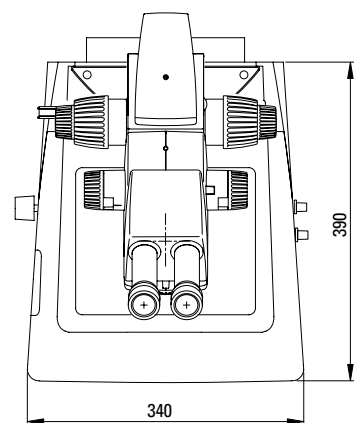
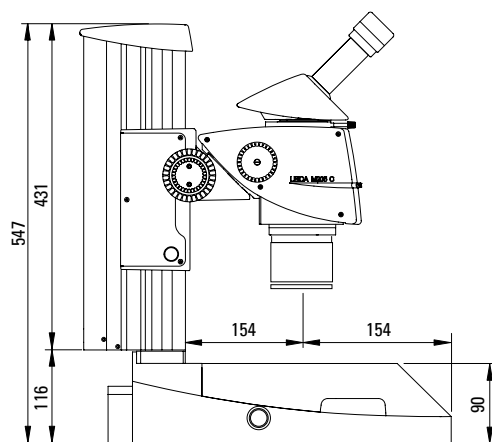
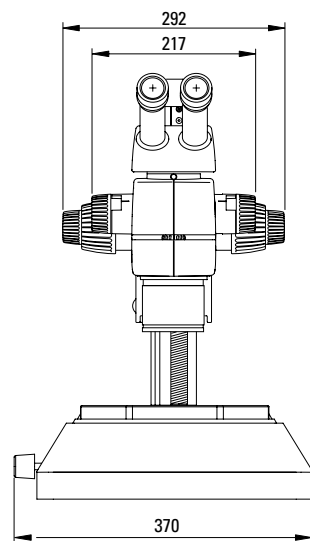
with incident-light stand and manual focusing drive

Dimensions in mm

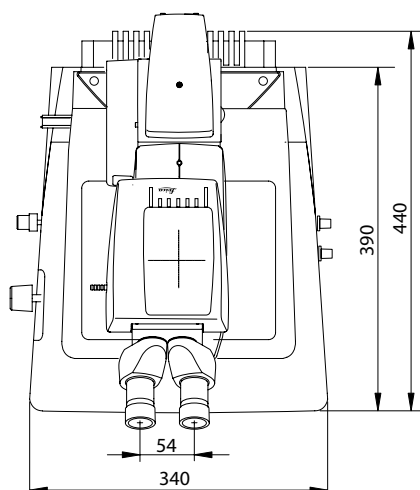
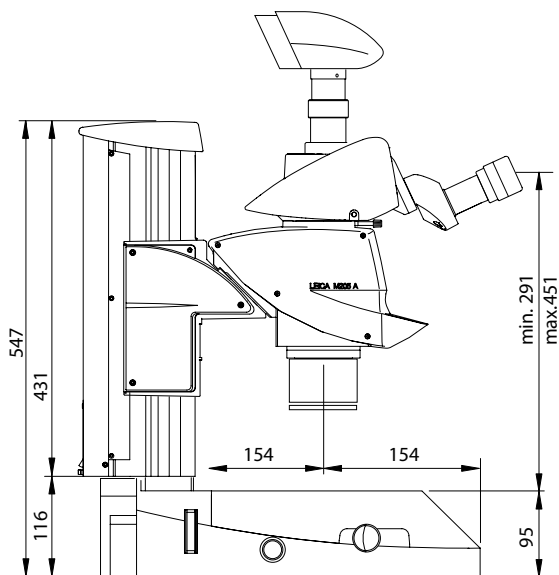


Leica M205 C

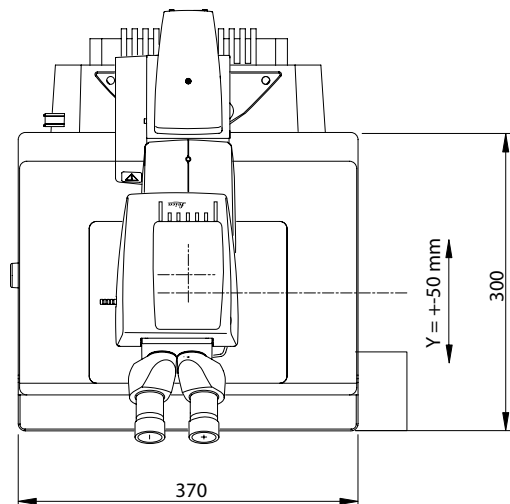
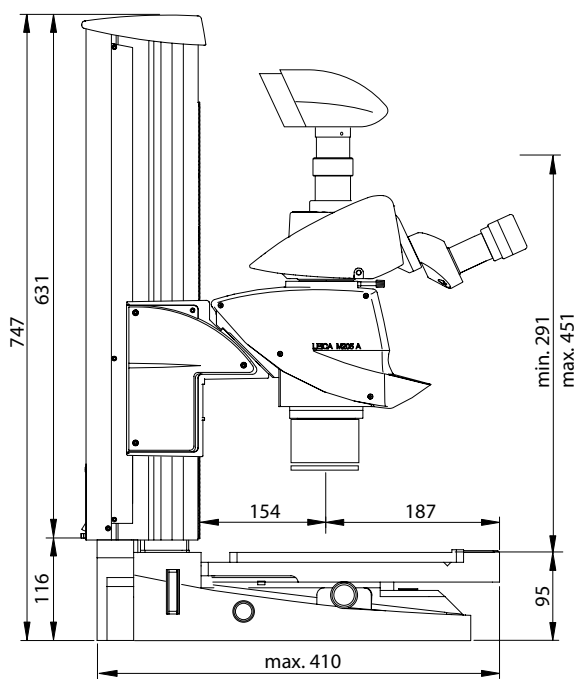
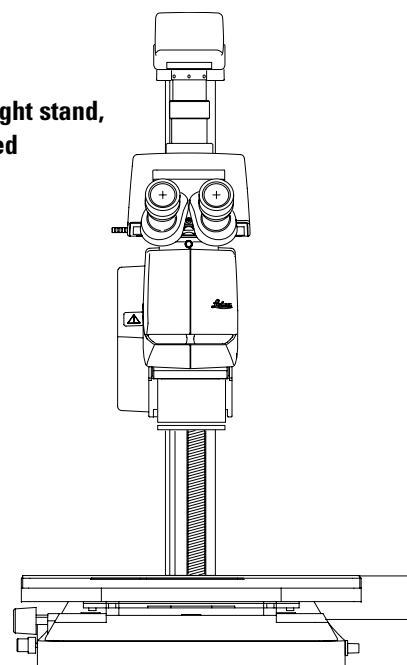
with TL BFDF transmitted-light stand and manual focusing drive



with TL RCI™ transmitted-light stand and motor focus



**with TL RCI™ transm. light stand,
Leica IsoPro™ motorized
mechanical stage and
motor focus**



Major User Segments

Natural science	
Embryology	Human medicine: Obstetrics and gynecology Veterinary science: Animal husbandry
Pharmacology	Pharmaceutical research and industry, pharmacology laboratories
Anatomy	Anatomy, histology and pathology departments at universities and hospitals Schools for medical and veterinary sciences Pharmaceutical research institutes Cancer research institutes
Microbiology	Microbiology departments and laboratories at universities and hospitals Food industry
Botany	Natural science institutes and museums Botanical gardens, herbariums
IVF	Hospitals, specialist practices
Industry	
Earth sciences	Departments of geology, mineralogy, paleontology
Physics	Departments of experimental physics, optics, solid-state physics
Semiconductors	Quality control, production, process control Research and development
Microtechnology	Mask manufacturers Integrated circuit manufacturers Microchip assembly
Materials development	Development and test labs, quality control
Synthetic materials	Research and development Synthetic products manufacturers Colleges and universities
Criminology	
General criminological examinations, evidence and clues	Crime labs, research and law enforcement

In addition, the high-performance Leica M125, M165 C, M205 C and M205 A stereomicroscopes are capable of meeting the most stringent requirements in many other applications.