Leica MacroFluo™

Technical Information

Living up to Life

Leica
MICROSYSTEMS

Leica MacroFluo™ System, equipped with Leica Z16 APO A macroscope, Leica DFC camera, motorized zoom, transmitted light base TL RCI™, SmartTouch™ control panel, and Leica EL6000 fluorescent light source.

Leica Z6 APO & Z16 APO / Z6 APO A & Z16 APO A
Technical data, performance characteristics

Designation	Leica MacroFluo™ with 6.3:1 zoom	Leica MacroFluo™ with 16 : 1 zoom
Type of microscope	Macroscope with vertical beam path, apochromatic zoom system, incident illuminator, fluorescence illumination coupled with the optical zoom system, and trinocular tube	
Zoom system	Apochromatic 6.3 : 1 zoom Leica Z6 APO, lead-free	Apochromatic 16 : 1 zoom Leica Z16 APO, lead-free
Zoom factor	0.57 – 3.6×	0.57 – 9.2×
Engageable zoom positions	0.57 / 0.8 / 1 / 1.25 / 1.6 / 2 / 2.5 / 3.2 / 3.6	0.57 / 0.8 / 1 / 1.25 / 1.6 / 2 / 2.5 / 3.2 / 4 / 5 / 6.3 / 8 / 9.2
Tubes	Binocular phototube HC L2TU 4/5/7 with photo-TV output 100%:0% / 0%:100%, 20° viewing angle Trinocular tube BDT 25+V100/50/0 with photo-TV output 100%:0% / 50%:50% / 0%:100%, 30° viewing angle Tube BDTP 25 100/50/0 with fixed port, photo-TV output 100%:0% / 50%:50% / 0%:100%, 30° viewing angle	
Built-in iris diaphragm	For continuous depth of field control	
Designation	**Leica MacroFluo™ with automated 6.3 : 1 zoom**	**Leica MacroFluo™ with automated 16 : 1 zoom**
Type of microscope	Macroscope with vertical beam path, motorized, apochromatic zoom system, incident illuminator, fluorescence illumination coupled with the optical zoom system, and trinocular tube	
Zoom system, motorized	Apochromatic 6.3 : 1 zoom Leica Z6 APO A, lead-free	Apochromatic 16 : 1 zoom Leica Z16 APO A, lead-free
Zoom factor	0.57 – 3.6×	0.57 – 9.2×
Motorized zoom	Continuously motorized and approachable positions	Continuously motorized and approachable positions
Tubes	Binocular phototube HC L2TU 4/5/7 with photo-TV output 100%:0% / 0%:100%, 20° viewing angle Trinocular tube BDT 25+V100/50/0 with photo-TV output 100%:0% / 50%:50% / 0%:100%, 30° viewing angle Tube BDTP 25 100/50/0 with fixed port, photo-TV output 100%:0% / 50%:50% / 0%:100%, 30° viewing angle	
Motorized iris diaphragm	For continuous depth of field control	For continuous depth of field control
Motorized fine focus	Integrated, 10 mm travel	Integrated, 10 mm travel
Fluorescence illuminator		
Type	Coaxial incident illuminator L4/23 and carrier for incident light fluorescence and incident light brightfield with: • Reflector disc for 5 filter blocks, 0-pixel technology = no pixel offset when changing • Aperture and field diaphragm can be centered • Switchable blue filter BG 38 and UV light stop • Light trap for suppression of ambient light	
Fluorescence filter	• Filter system (excitation filter, beam-splitting mirror, and barrier filter) on a filter block • Extensive filter block selection, filter combinations based on customer specifications	
Light source	**Leica EL6000 external fluorescent light source EL6000** • External light source with liquid light guide • Adjustment-free metal halide lamp • Adjustable intensity of the excitation light **106 z lamp housing with**: • 100 W high-pressure mercury burner (direct current, stabilized/nonstabilized, type 103 W/2) • Chromatically-corrected collector, focusable • Lamp mount can be centered • Supply unit ebq 100	
Safety measures	UV protection screen, UV light stop, stray light protection for lamp housing	

Optical accessories			
Objectives	Type/magnification factor	Working distance	Max. object field ∅
	• Achromatic 0.32×	297 mm	112 mm
	• Achromatic 0.63×	149 mm	56 mm
	• Planapochromatic 0.5×	187 mm	70 mm
	• Planapochromatic 0.8×	112 mm	44 mm
	• Planapochromatic 1×	97 mm	35 mm
	• Planapochromatic 2×	39 mm	17.5 mm
	• Planapochromatic 5×/ 0.5 LWD	19 mm	5 mm
Objective adapters	• For Leica M-series achromatic objectives • For 10× and 20× Leica DM objectives		
DM objectives (only for upper zoom range)	• DM objective N Plan L 20× / 0.40 corr • DM objective N Plan 10× / 0.25– / A5.8		
Fine focusing	10 mm travel, 1 micron resolution (Leica Z6 APO / Leica Z16 APO) (motorized and integrated for Leica Z6 APO A and Leica Z16 APO A)		
Interpupillary distance	55 mm – 75 mm		
Wide-field eyepieces for spectacle wearers	Widefield HC plan eyepieces 10×/20, 10×/22, 10×/25		
Imaging			
Image acquisition, storage, and processing	Various digital FireWire camera systems for fluorescence		
Software for image archiving, analysis, and processing	LAS (Leica Application Suite), LAS AF (Leica Z6 APO A and Leica Z16 APO A motorized zooms), QWin, Leica MM AF powered by Metamorph®		
Tubes	• Binocular phototube HC L2TU 4/5/7 • Tube BD TP 25 100/50/0 with fixed port • Tube BD T 25+ V100/50/0, mechanical		
Stands, illuminators			
Transmitted light stands	Transmitted light bases TL ST, TL BFDF, TL RC™, and TL RCI™ for a variety of applications and illumination options		
Incident light stand	With stage plate, black and white, 120 mm		
Motorized focus system	With 620 mm column, control via handswitch, SmartTouch™, footswitch, or computer		
Manual focusing drive	Coarse/fine focus, adjustable ease of movement, with 620 mm column		
Stages	Leica IsoPro™ Motorized and Manual Cross-stage, gliding stage, Leica MATS Thermocontrol System heating stage, polarization		
Additional illuminators	Various LED illuminators and cold light sources		

For additional accessories, see assembly diagram and scope of delivery.

Optical data – with HC plan eyepieces 10×/22

Objectives		Planapochromatic 1×		Planapochromatic 0.5×		Planapochromatic 0.8×		Planapochromatic 2×		Planapochromatic 5×	
Working distances		97 mm		187 mm		112 mm		39 mm		20 mm	
Eyepieces		Total magnification	Object field ∅	Total magnification	Object field ∅	Total magnification	Object field ∅	Total magnification	Object field ∅	Total magnification	Object field ∅
Zoom position		×	mm	×	mm	×	mm	×	mm	×	mm
6.3:1	0.57	7.1	30.9	3.6	61.8	5.7	38.6	14.3	15.4	35.6	6.18
	0.8	10.0	22.0	5.0	44.0	8.0	27.5	20.0	11.0	50.0	4.40
	1	12.5	17.6	6.3	35.2	10.0	22.0	25.0	8.80	62.5	3.52
	1.6	20.0	11.0	10.0	22.0	16.0	13.8	40.0	5.50	100	2.20
	2	25.0	8.80	12.5	17.6	20.0	11.0	50.0	4.40	125	1.76
	2.5	31.3	7.04	15.6	14.1	25.0	8.80	62.5	3.52	156	1.41
	3.2	40.0	5.50	20.0	11.0	32.0	6.88	80.0	2.75	200	1.10
	3.6	45.0	4.89	22.5	9.78	36.0	6.11	90.0	2.44	225	0.98
	4	50.0	4.40	25.0	8.80	40.0	5.50	100	2.20	250	0.88
	5	62.5	3.52	31.3	7.04	50.0	4.40	125	1.76	313	0.70
	6.3	78.8	2.79	39.4	5.59	63.0	3.49	158	1.40	394	0.56
	8	100	2.20	50.0	4.40	80.0	2.75	200	1.10	500	0.44
	9.2 (16:1)	115	1.91	57.5	3.83	92.0	2.39	230	0.96	575	0.38

HC plan eyepieces 10×/22, binocular phototube HC L2TU 4/5/7 (factor 1.25×), open iris diaphragm

Data with digital camera Leica DFC310 FX Full Frame

Objectives		Planapochromatic 1×		Planapochromatic 0.5×		Planapochromatic 0.8×		Planapochromatic 2×		Planapochromatic 5×	
Working distances		97 mm		187 mm		112 mm		39 mm		20 mm	
Eyepieces		Magnification chip : specimen	Object field projected onto chip	Magnification chip : specimen	Object field projected onto chip	Magnification chip : specimen	Object field projected onto chip	Magnification chip : specimen	Object field projected onto chip	Magnification chip : specimen	Object field projected onto chip
Zoom position			mm × mm		mm × mm		mm × mm		mm × mm		mm × mm
6.3:1	0.57	0.50	18.0 13.4	0.25	36.0 26.9	0.40	22.5 16.8	1.00	9.00 6.72	2.49	3.60 2.69
	0.8	0.70	12.8 9.58	0.35	25.7 19.2	0.56	16.0 12.0	1.40	6.41 4.79	3.50	2.57 1.92
	1	0.88	10.3 7.67	0.44	20.5 15.3	0.70	12.8 9.58	1.75	5.13 3.83	4.38	2.05 1.53
	1.6	1.40	6.41 4.79	0.70	12.8 9.58	1.12	8.02 5.99	2.80	3.21 2.40	7.00	1.28 0.96
	2	1.75	5.13 3.83	0.88	10.3 7.67	1.40	6.41 4.79	3.50	2.57 1.92	8.75	1.03 0.77
	2.5	2.19	4.10 3.07	1.09	8.21 6.13	1.75	5.13 3.83	4.38	2.05 1.53	10.9	0.82 0.61
	3.2	2.80	3.21 2.40	1.40	6.41 4.79	2.24	4.01 2.99	5.60	1.60 1.20	14.0	0.64 0.48
	3.6	3.15	2.85 2.13	1.58	5.70 4.26	2.52	3.56 2.66	6.30	1.43 1.06	15.8	0.57 0.43
	4	3.50	2.57 1.92	1.75	5.13 3.83	2.80	3.21 2.40	7.00	1.28 0.96	17.5	0.51 0.38
	5	4.38	2.05 1.53	2.19	4.10 3.07	3.50	2.57 1.92	8.75	1.03 0.77	21.9	0.41 0.31
	6.3	5.51	1.63 1.22	2.76	3.26 2.43	4.41	2.04 1.52	11.0	0.81 0.61	27.6	0.33 0.24
	8	7.00	1.28 0.96	3.50	2.57 1.92	5.60	1.60 1.20	14.0	0.64 0.48	35.0	0.26 0.19
	9.2 (16:1)	8.05	1.12 0.83	4.03	2.23 1.67	6.44	1.39 1.04	16.1	0.56 0.42	40.3	0.22 0.17

Binocular phototube HC L2TU 4/5/7 (factor 1.25×), video objective 0.7×, open iris diaphragm

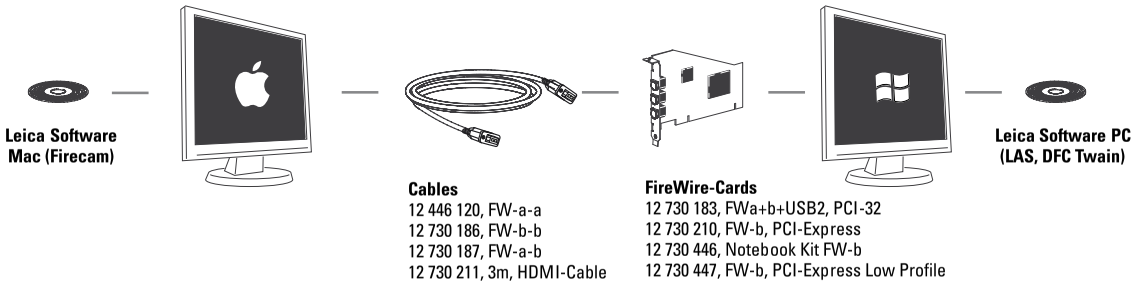
Z6 APO / Z6 APO A: Zoom 0.57× – 3.6×
Z16 APO / Z16 APO A: Zoom 0.57× – 9.2×

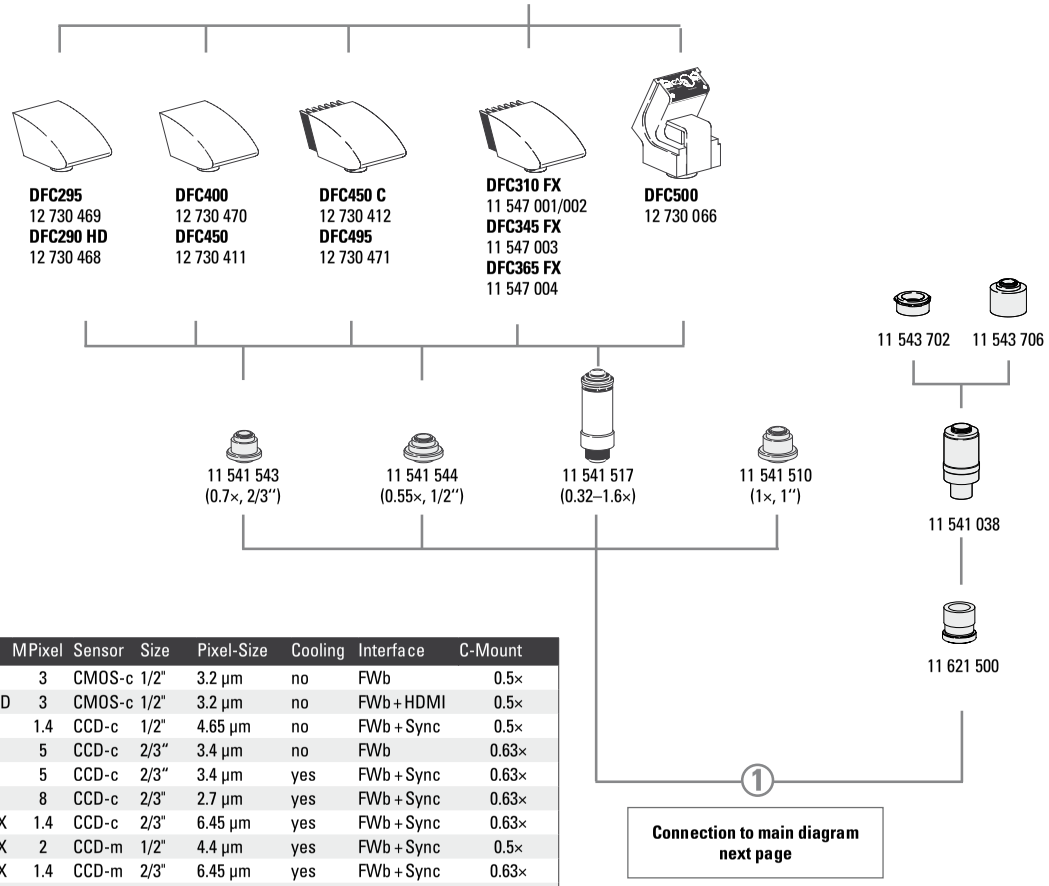
Leica MacroFluo™ with 6.3:1 zoom (Leica Z6 APO or Leica Z6 APO A)

Data visual with binocular phototube HC L2TU 4/5/7 (tube factor 1.25×) / eyepieces 10×/22			
Objective	**Planapochromatic 1×**	**Planapochromatic 2×**	**Planapochromatic HR 5×**
Zoom range	7.1× – 45×	14.3× – 90×	35.5× – 225×
Resolution	60 – 351 Lp/mm	120 – 702 Lp/mm	max. 1500 Lp/mm
Max. numerical aperture	0.117	0.234	0.5
Finest visible structure width	1.4 µm	0.71 µm	0.33 µm
Object field ∅	4.9 – 30.9 mm	2.4 – 15.4 mm	1.0 – 6.2 mm
Max. depth of field	3.1 mm	0.8 mm	0.1 mm
Working distance	97 mm	39 mm	19 mm
Data with digital camera Leica DFC310 FX Full Frame / binocular phototube HC L2TU 4/5/7 (tube factor 1.25×) / video objective 0.7×			
Magnification chip: Object	0.5× – 3.15×	1.0× – 6.3×	2.5× – 15.8×
Digital resolution	19.3 – 122 Lp/mm	35 – 220 Lp/mm	97 – 610 Lp/mm
Object field projected onto chip	18 × 13.4 mm / 2.9 × 2.1 mm	9 × 6.7 mm / 1.43 × 1.06 mm	3.6 × 2.7 mm / 0.57 × 0.4 mm
Max. depth of field	1.4 mm	0.33 mm	0.05 mm

Leica MacroFluo™ with 16:1 zoom (Leica Z16 APO or Leica Z16 APO A)

Data visual with binocular phototube HC L2TU 4/5/7 (tube factor 1.25×), eyepieces 10×/22			
Objective	**Planapochromatic 1×**	**Planapochromatic 2×**	**Planapochromatic HR 5×**
Zoom range	7.1× – 115×	14.3× – 230×	35.5 – 575×
Resolution	51 – 336 Lp/mm	102 – 672 Lp/mm	max. 1500 Lp/mm
Max. numerical aperture	0.112	0.224	0.5
Finest visible structure width	1.49 µm	0.75 µm	0.33 µm
Object field ∅	1.9 – 30.9 mm	0.96 – 15.4 mm	0.38 – 6.2 mm
Max. depth of field	3.8 mm	0.94 mm	0.15 mm
Working distance	97 mm	39 mm	19 mm
Data with digital camera Leica DFC310 FX Full Frame / binocular phototube HC L2TU 4/5/7 (tube factor 1.25×) / video objective 0.7×			
Magnification chip: Object	0.5× – 8.05×	1.0× – 16.1×	2.5× – 40.3×
Digital resolution	19.3 – 312 Lp/mm	38.7 – 624 Lp/mm	96.7 – 1500 Lp/mm
Object field projected onto chip	18 × 13.4 mm / 1.1 × 0.8 mm	9 × 6.72 mm / 0.56 × 0.42 mm	3.6 × 2.7 mm / 0.2 × 0.17 mm
Max. depth of field	1.7 mm	0.35 mm	0.07 mm





Name	MPixel	Sensor	Size	Pixel-Size	Cooling	Interface	C-Mount
DFC295	3	CMOS-c	1/2"	3.2 µm	no	FWb	0.5×
DFC290 HD	3	CMOS-c	1/2"	3.2 µm	no	FWb + HDMI	0.5×
DFC400	1.4	CCD-c	1/2"	4.65 µm	no	FWb + Sync	0.5×
DFC450	5	CCD-c	2/3"	3.4 µm	no	FWb	0.63×
DFC450 C	5	CCD-c	2/3"	3.4 µm	yes	FWb + Sync	0.63×
DFC495	8	CCD-c	2/3"	2.7 µm	yes	FWb + Sync	0.63×
DFC310 FX	1.4	CCD-c	2/3"	6.45 µm	yes	FWb + Sync	0.63×
DFC345 FX	2	CCD-m	1/2"	4.4 µm	yes	FWb + Sync	0.5×
DFC365 FX	1.4	CCD-m	2/3"	6.45 µm	yes	FWb + Sync	0.63×
DFC500	12	CCD-c	2/3"	6.45 µm	yes	FWa + Sync	0.63×

-c: color / -m: monochrome

V2 – 2012

ARTICLE DESCRIPTIONS

Digital camera systems

12 730 469	Leica DFC295 camera kit
12 730 468	Leica DFC290 HD camera kit*
12 730 470	Leica DFC400 camera kit*
12 730 411	Leica DFC450 camera kit*
12 730 412	Leica DFC450 C camera kit*
12 730 471	Leica DFC495 camera kit*
11 547 001	Leica DFC310 FX camera kit for Mac
11 547 002	Leica DFC310 FX camera kit for PC
11 547 003	Leica DFC345 FX camera kit*
11 547 004	Leica DFC365 FX camera kit
12 730 066	Leica DFC500 camera kit

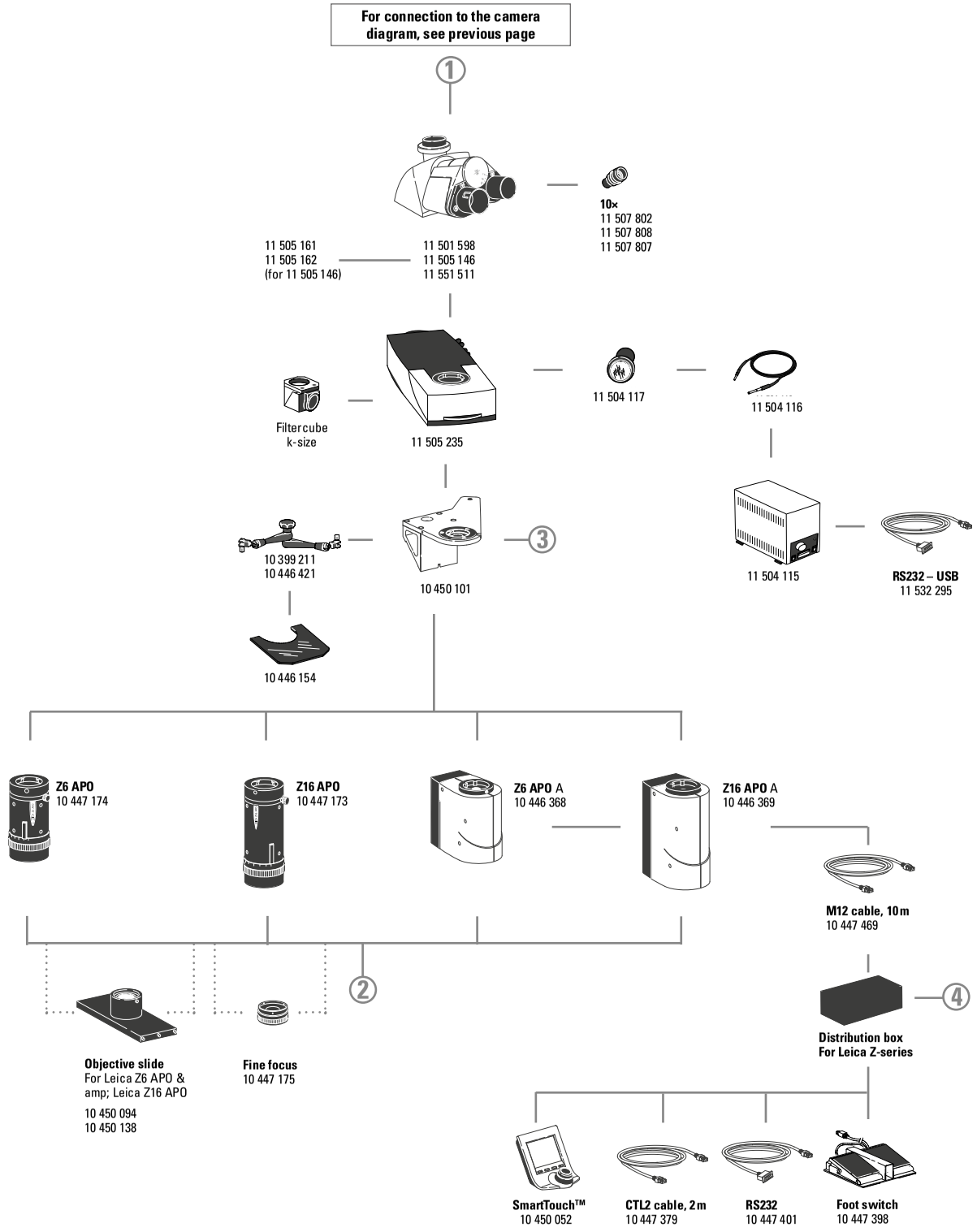
* Mac-Support

Digital camera system accessories

12 446 120	FireWire cable, FW-a-a, 2.5 m, 6-pin to 6-pin
12 730 186	FireWire cable, FW-b-b, 2.5 m, 9-pin to 9-pin
12 730 187	FireWire cable, FW-a-b, 2.5 m, 6-pin to 9-pin
12 730 211	HDMI cable, 3m, HDMI both ends
12 730 183	OHCI FireWire PCI32 card, FWa+b+USB2
12 730 210	OHCI FireWire PCI express card, FW-b
12 730 446	FW-b Notebook Kit (includes PCcard Express, power supply: 100–240 V, 24 W, adapter FW-b-a)
12 730 447	OHCI FireWire PCI express card Low Profile, FW-b
12 730 225	PowerKit for DFC290 HD, FW-b

Phototubes and camera adapter

11 621 500	MPV adapter, HC/delta
11 541 038	Vario adapter for C-mount 0.55× to 1.1× – Delta
11 541 517	Vario adapter for C-mount 0.32× to 1.6× – HC
11 543 702	B-mount adapter 1×
11 543 706	C-mount adapter 1×
11 541 543	C-mount adapter HC 0.7×, for 2/3" digital cameras
11 541 544	C-mount adapter HC 0.55×, for 1/2" digital cameras
11 541 510	C-mount adapter HC 1×, for 1" digital cameras

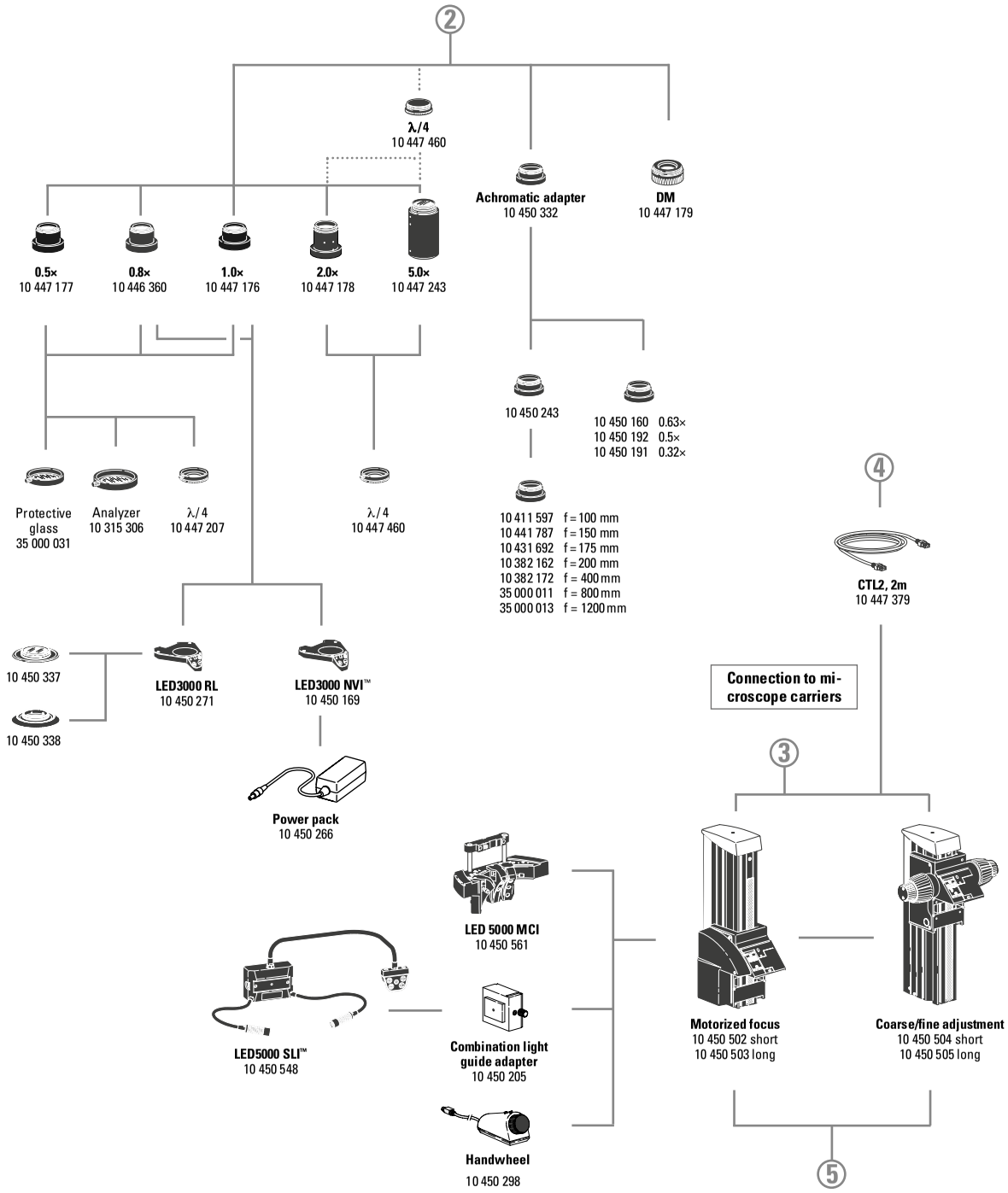


Eyepieces

11 507 802	Widefield HC plan eyepiece 10×/20
11 507 808	Widefield HC plan eyepiece 10×/22
11 507 807	Widefield HC plan eyepiece 10×/25

Zoom systems, fluorescence axis, and accessories

11 501 598	Binocular phototube HC L 2 TU (factor 1.25×)
11 505 146	Trinocular tube BDT 25+ V100/50/0, mechanical
11 505 161	Tube adapter with 1 document port (for 11 505 146, not pictured)
11 505 162	Tube adapter with 2 document ports (for 11 505 146, not pictured)
11 551 511	Tube BDTP with fixed port 25 100/50/0
11 505 235	Coaxial incident illuminator L4/23 for incident light fluorescence and incident light brightfield – compatible filter blocks of the type „k“ at www.fluorescence-microscopy.com
10 450 101	Carrier for incident illuminator L4/23
11 504 117	Light guide coupling for 11 504 116 for Leica EL6000
11 504 115	Leica EL6000 light source
11 504 116	Liquid light guide for EL6000
11 532 295	RS232-USB interface cabel
10 399 211	Arm for protection screen
10 446 421	Adapter for protection screen with M5 thread
10 446 154	UV protection screen
10 447 174	Leica Z6 APO 6.3:1 zoom system, apochromatic
10 447 173	Leica Z16 APO 16:1 zoom system, apochromatic
10 446 368	Leica Z6 APO A 6.3:1 motorized zoom system, apochromatic, with distribution box and M12 cable
10 446 369	Leica Z16 APO A 16:1 motorized zoom system, apochromatic, with distribution box and M12 cable
10 450 094	Objective slide with quarter-wave plate for Leica Z6 APO / Leica Z16 APO (please order objectives separately)
10 450 138	Objective slide for Leica Z6 APO / Leica Z16 APO (please order objectives separately)
10 447 175	Fine focus (for Leica Z6 APO / Leica Z16 APO only), 10 mm travel distance
10 447 469	M12 cable, 10 m
10 450 052	SmartTouch™, external control unit with integrated touchscreen for status control and control of all settings and functions
10 447 379	CTL2 cable, 2 m
10 447 401	RS232 cable
10 447 398	Foot switch for controlling the Leica Z6 APO A / Leica Z16 APO A (via distribution box) or the TL RCI™ transmitted light base



Objectives and optical accessories

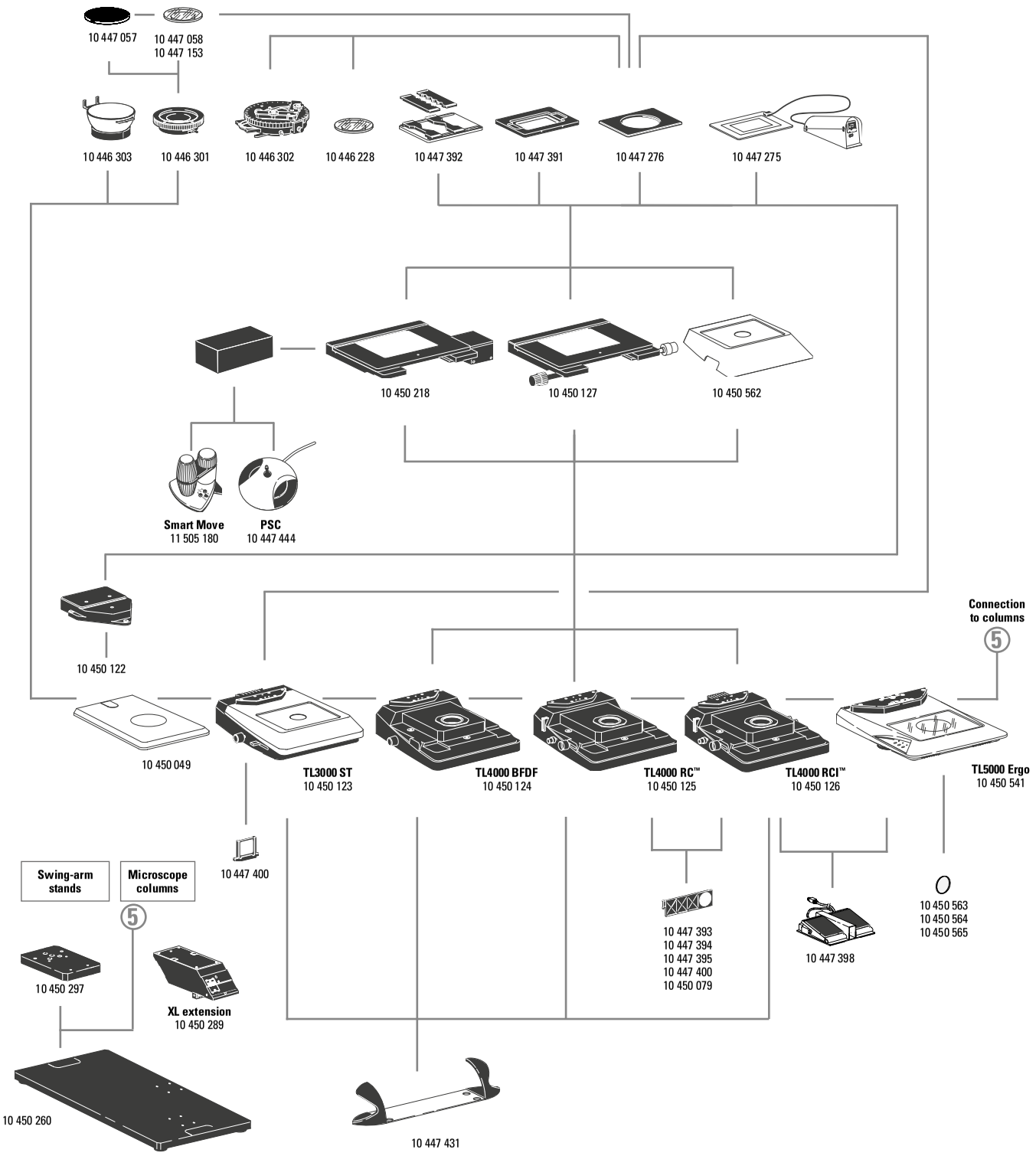
10 447 177	Planapochromatic objective 0.5×
10 446 360	Planapochromatic objective 0.8×
10 447 176	Planapochromatic objective 1×
10 447 178	Planapochromatic objective 2×
10 447 243	Planapochromatic objective 5×
10 450 332	Adapter for achromatic objectives for M series
10 450 191	Achromatic objective 0.32×
10 450 192	Achromatic objective 0.5×
10 450 160	Achromatic objective 0.63×
10 450 243	Adapter for LWD achromatic objectives
10 411 597	Achromatic objective f = 100 mm
10 441 787	Achromatic objective f = 150 mm
10 431 692	Achromatic objective f = 175 mm
10 382 162	Achromatic objective f = 200 mm
10 382 172	Achromatic objective f = 400 mm
35 000 011	Achromatic objective f = 800 mm
35 000 013	Achromatic objective f = 1200 mm
10 447 179	Adapter Leica DM objectives to Leica Z6/Leica Z16
10 450 169	Leica LED3000 NVI™ – vertical illuminator for using objectives of 58 mm maximum diameter
10 450 271	LED3000 RL – ring illuminator, ∅ 58 mm objectives, 24 power LEDs, 5600 K color temperature, optimized LED auxiliary lens, selectable segments, optimized for 60 – 150 mm working distance
10 450 548	LED5000 SLI™, spotlight illumination, double-armed gooseneck 500 mm long, with 2 power LEDs, 5600 K color temperature, control unit on separate gooseneck, incl. diffuser pair
10 450 561	Leica LED5000 MCI™ (Multi Contrast Illumination): three adjustable illuminator arcs, each with three LEDs for complete integration with the stereomicroscope; modes fully reproducible with Leica Application Suite including automatic changing of multiple illumination scenarios.
10 450 266	Power supply unit for Leica LED3000/Leica LED5000
35 000 031	Protective glass for planapochromatic objectives
10 315 306	Analyzer in revolving mount
10 447 207	Quarter-wave plate, ∅ 58 mm
10 447 460	Quarter-wave plate for 2.0× and 5.0×

Incident-light and transmitted-light bases

10 450 049	Incident-light base
10 450 123	Transmitted-light base TL3000 ST
10 450 124	Transmitted-light base TL4000 BFDF
10 450 125	Transmitted-light base TL4000 RC™ for external cold light sources
10 450 126	Transmitted-light base TL4000 RCI™ with integr. halogen illumination
10 450 541	Transmitted-light base TL5000 Ergo with integr. LED illumination
10 450 260	Universal base XL for specimens up to 300 × 300 mm
10 450 297	Adapter for base 10 450 260 for all swinging-arm columns

Stages

10 450 562	Standard stage for transmitted-light bases TL4000 BFDF, TL4000 RC™ and TL4000 RCI™



10 450 127 Leica IsoPro™ Manual Cross-stage for transmitted-light bases TL4000 BFDF, TL4000 RC™, TL4000 RCI™ and incident-light base (with 10 450 122 adapter)
10 450 218 Leica IsoPro™ Motorized Cross-stage for transmitted-light bases TL4000 BFDF, TL4000 RC™, TL4000 RCI™ and incident-light base (with 10 450 122 adapter)
10 450 122 Adapter between cross-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 ∅120 mm
10 447 391 Stage for LiveOnStage accessories
10 447 392 Universal carrier for Petri dishes, specimen slides etc.
10 446 301 Gliding stage, ∅ 120 mm
10 446 302 Polarization stage, ∅120 mm
10 382 130 Attachable mechanical stage for polarization stage
10 361 719 Sensitive-tint plate for Pol rotating stage
10 446 303 Cup stage, ∅ 120 mm
33 000 600 Cup stage, ∅ 120 mm, surface ∅ 150 mm, revolving
10 446 228 Glass insert with Pol, ∅120 mm
10 447 057 Stage plate b/w, ∅ 120 mm
10 447 058 Clear glass insert, ∅ 120 mm
10 447 153 Matte glass insert, ∅ 120 mm
10 450 058 Stage plate, b/w for TL bases
10 450 059 Additional buttons for IsoPro™ Manual Cross-stage

Focusing drive

10 450 504 Coarse/fine focusing drive with profile column 420 mm
10 450 505 Coarse/fine focusing drive with profile column 620 mm
10 450 502 Motorized focus with profile column 420 mm
10 450 503 Motorized focus with profile column 620 mm
10 450 289 XL extension – for viewing large specimens
10 450 205 Combination light guide adapter for installation on the focus column
10 447 379 CTL2 cable, 2 m

Filters

10 447 400 Daylight filter for TL ST base
10 447 394 BG38 filter for TL4000 RC™/RCI™ transmitted-light base
10 447 395 UV filter for TL4000 RC™/RCI™ base
10 447 393 ND filter (gray filter) for TL RC™/RCI™ base
10 450 079 Daylight filter for TL4000 RCI™ base
10 450 563 Milk glass filter for TL5000 Ergo
10 450 564 Green filter for TL5000 Ergo
10 450 565 Polarization filter for TL5000 Ergo

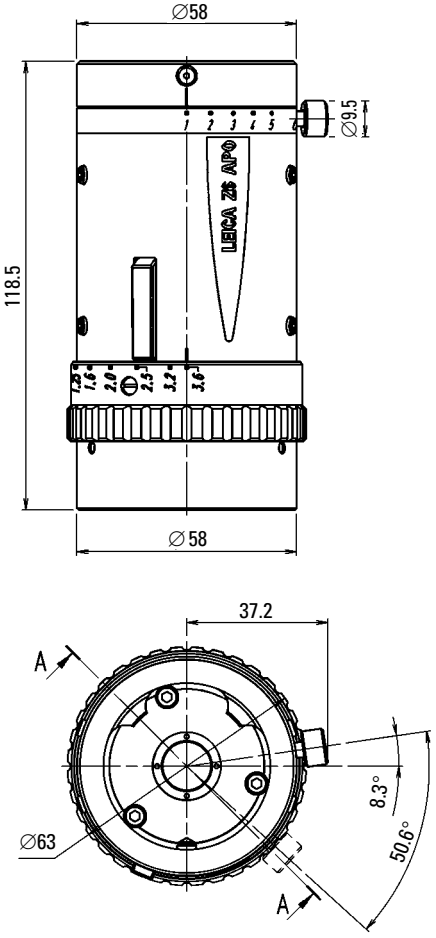
Controls

11 505 180 Leica Smart Move control unit for Leica IsoPro™ motorized cross-stage
10 447 444 Leica PSC control unit for Leica IsoPro™ motorized cross-stage
10 450 298 Manual controller for motorized focus

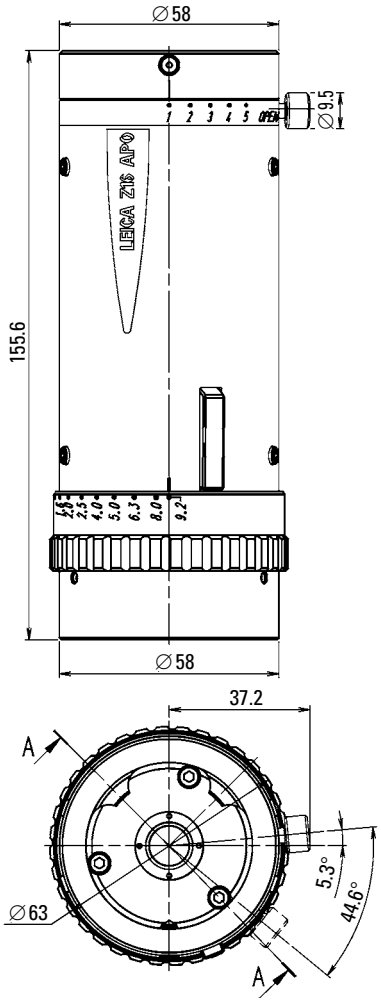
Ergonomic accessories

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

Leica Z6 APO & Z16 APO
Dimensions of zoom system, coaxial incident light housing

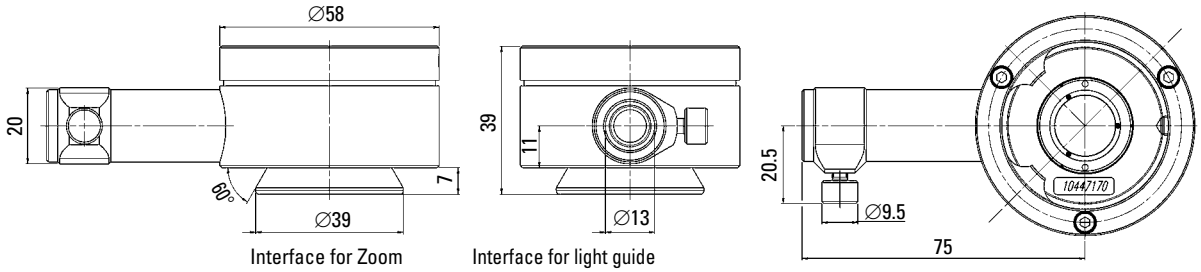


Leica Z6 APO

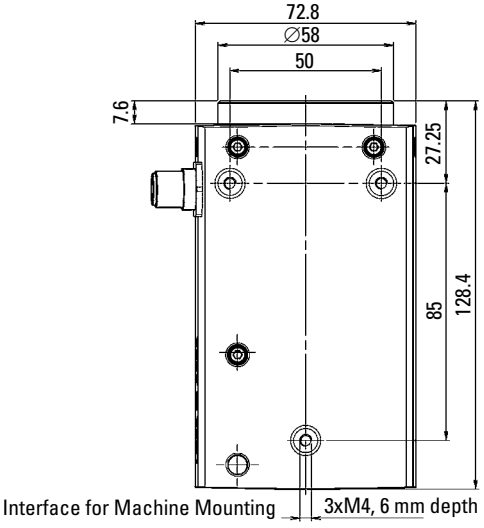


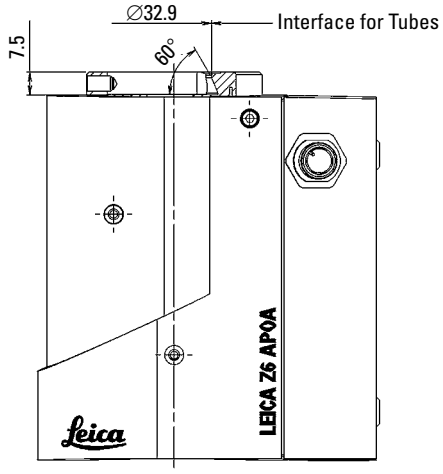
Leica Z16 APO

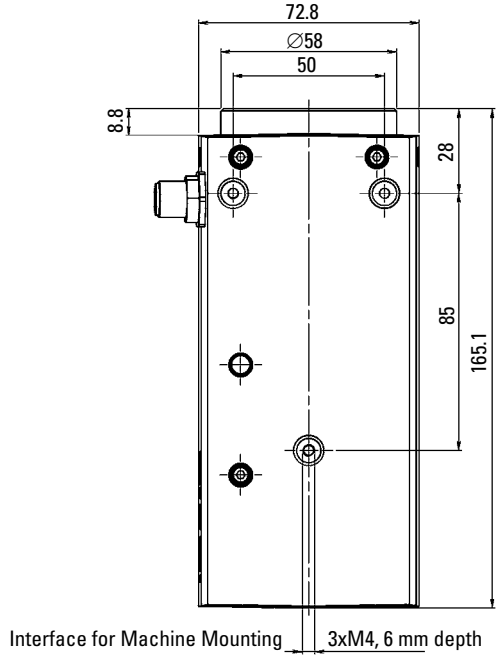
Coaxial incident light housing

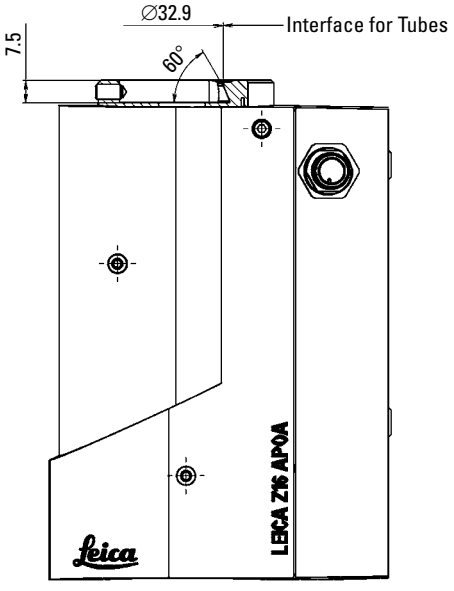


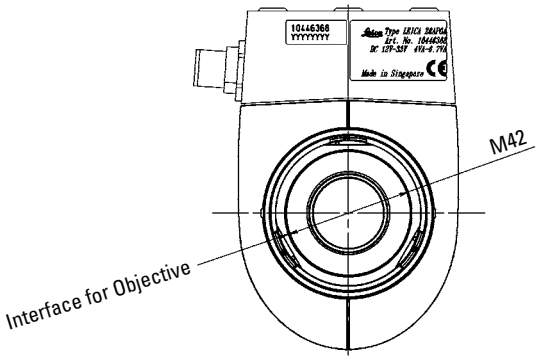
Leica Z6 APO A & Z16 APO A
Dimensions of zoom systems

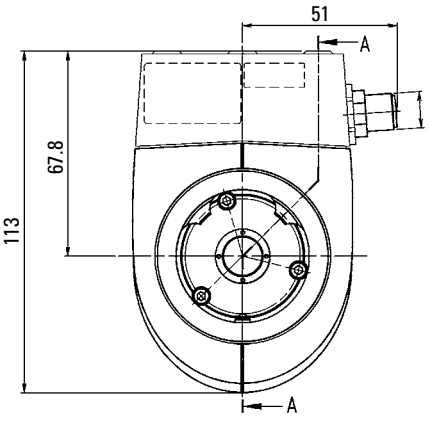




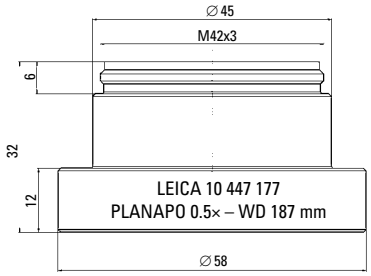


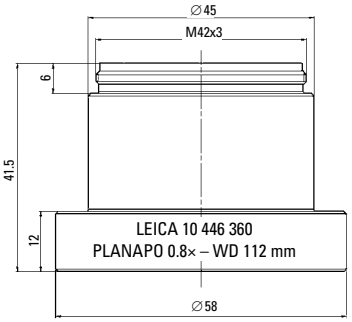


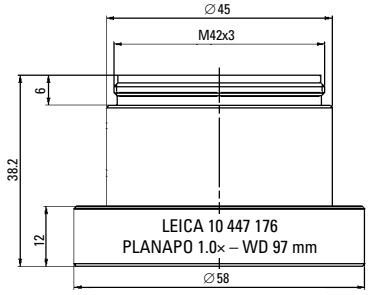


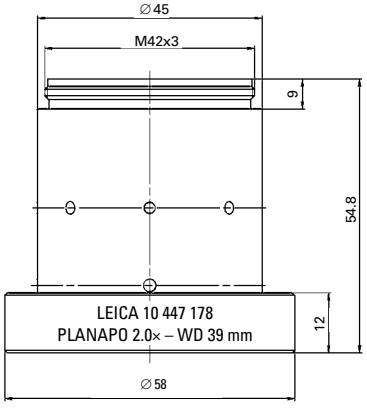


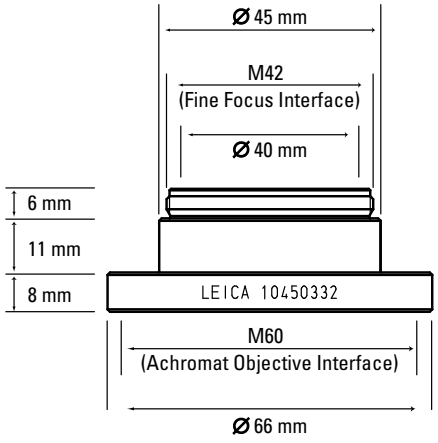
Dimensions of objectives, adapters



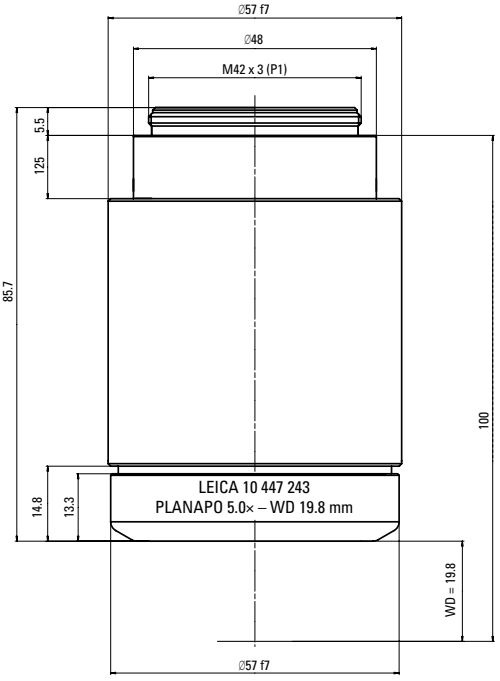




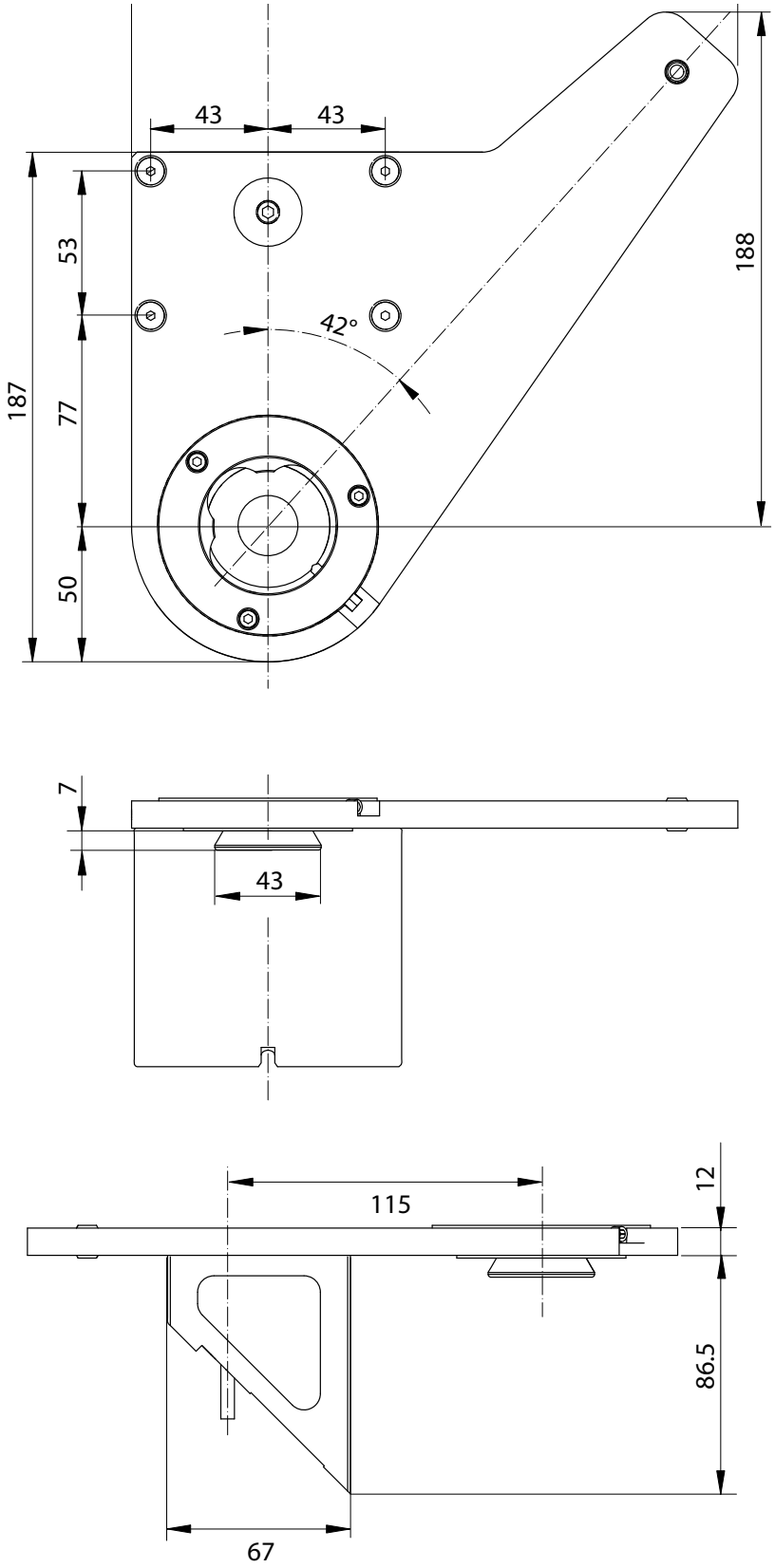




Adapter for achromatic objectives



Adapter between fluorescent bridge and focus column



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