



Inverted trinocular LED fluorescence microscope, B & G LED Fluorescence Cubes, IOS LWD W-PLAN PH objectives

Observation Method - Transmitted Light	Brightfield	Yes
	Phase contrast (Positive type)	Yes

Observation Method –	Fluorescence	Yes
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Main Body	Type	Inverted
	Construction material	Aluminum die-cast

Head	Type	Trinocular (Siedentopf)
	Split ratio	100/0 - 50/50
	Inclination	45°
	Interpupillary distance (mm)	50-75
	Diopter adjustment	On left tube
	Tube inner diameter (mm)	30

Eyepieces	Field number (mm)	22
	Magnification	10x
	Planar type	Yes
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	26
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
	Retractable protections	Yes

Nosepiece	Positions	Quintuple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS

Objectives	Optical system	∞
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	100x-400x
	Type	IOS LWD W-PLAN PH
		IOS LWD W-PLAN PH 10x/0.25, W.D. 7.3 mm
		IOS LWD W-PLAN PH 20x/0.40, W.D. 6.8 mm

		IOS LWD W-PLAN PH 40x/0.65, W.D. 3.0 mm
Stage	Type	Fixed
	Dimensions (mm)	250x160
	Material	Anti-scratch painting
	Glass round insert	Yes
	Metal round insert	Yes
	Holder for Petri dish (mm)	As optional
	Holder for Terasaki plate	96 well
	Holder for 2 slides	As optional
	Holder for Utermöhl chamber	As optional
Condenser - Single Position	Type	Abbe
	Removable	Yes
	Numerical aperture (N.A.)	0.30
	Diaphragm	Iris
	Slider for phase contrast	BF, 4x/10x, 20x/40x positions
	Long working distance	Yes
	Working distance (for LWD) (mm)	72
	Extendable working distance (for LWD) (mm)	up to 150
Focusing System	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Fine graduations	100
	Fine total travel (per single rotation) (mm)	0,2
	Fine resolution (µm)	2
	Adjustable tension	Yes
Transmitted Illumination	Type	X-LED
	X-LED type	X-LED8
	Light source power (W)	8
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Color Temperature (K)	6,300
	Max. required power (W)	13
Power Supply for Transmitted Illumination	Type	External
	Microscope connector	Jack, 2.1 mm
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Output voltage	12 Vdc 7 A
Accessories Included	Dust cover	Yes
	Allen wrench	Yes
	Centering telescope	Yes
	Green filter	Yes (IF550)
	User Manual	Digital version (downloadable)
Product Dimensions (footprint)		
	Width (mm) (E)	230
	Depth (mm) (D)	540
Product Dimensions (overall footprint)	Height (mm) (C)	495
	Width (mm) (B)	230
	Depth (mm) (A)	540
Product Weight	(kg)	10,5

Fluorescence Attachment	Number of positions	4
	Blue filter set (included)	Excitation: 455 - 495 nm; Dichroic: 500 nm; Emission: 510LP nm
	Green filter set (included)	Excitation: 510 - 550 nm; Dichroic: 570 nm; Emission: 575LP nm
	Filter dimensions	Excitation: 25 mm diam.; Dichroic: 36 mm x 25 mm; Emission: 25 mm diam.
	Number of LED Cubes	2
	Filter set selection	Manual
	LED source insertion	Manual

Fluorescence Light Source	Light source	LED Fluorescence Cube
	Light source power (W)	3.6
	LED wavelength	see LED Fluorescence Cube specs
	Lifetime (hours)	> 65,000
	Brightness control	Yes