

BioBlue 

HIGHLIGHTS

- WF10x/20 mm eyepiece(s)
- 1 W NeoLED Köhler illumination for improved image quality
- Reversed nosepiece for 4 semi plan objectives
- Integrated X-Y mechanical stage
- Coaxial coarse and fine adjustments with rack stop
- Height adjustable Abbe condenser with iris diaphragm and filter holder
- With rechargeable batteries and integrated power supply
- Ergonomic designed stand
- Warranty 10 years



● BB.4260-E

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

WF10x/20 mm Wide field

HEAD

- Heads are 360° rotatable and secured
- Binocular and trinocular models have 30° inclined tubes, interpupillary distance is adjustable between 48 and 75 mm and equipped with a ± 5 diopter adjustment on the left tube
- The trinocular head has a fixed light path beamsplitter (50:50) and generates an erect image



Binocular head



Trinocular head

NOSEPIECE

Reversed quadruple nosepiece on ball bearings

OBJECTIVES

- Supplied with semi plan 4x/0.10, 10x/0.25, S40x/0.65 and S100x/1.25 oil immersion objectives
- The S40x and S100x oil immersion objectives are spring loaded (to prevent damage to sample and objectives)

All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

FOCUSING

- Coaxial coarse and fine adjustments with 200 graduations
Precision 2 μ m per graduation, 0.4 mm per rotation
- Total travel approximately 23 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- The coarse adjustment is equipped with friction control

STAGE

130 x 130 mm with mechanical 70 x 28 mm X-Y translation stage

CONDENSER

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder

ILLUMINATION



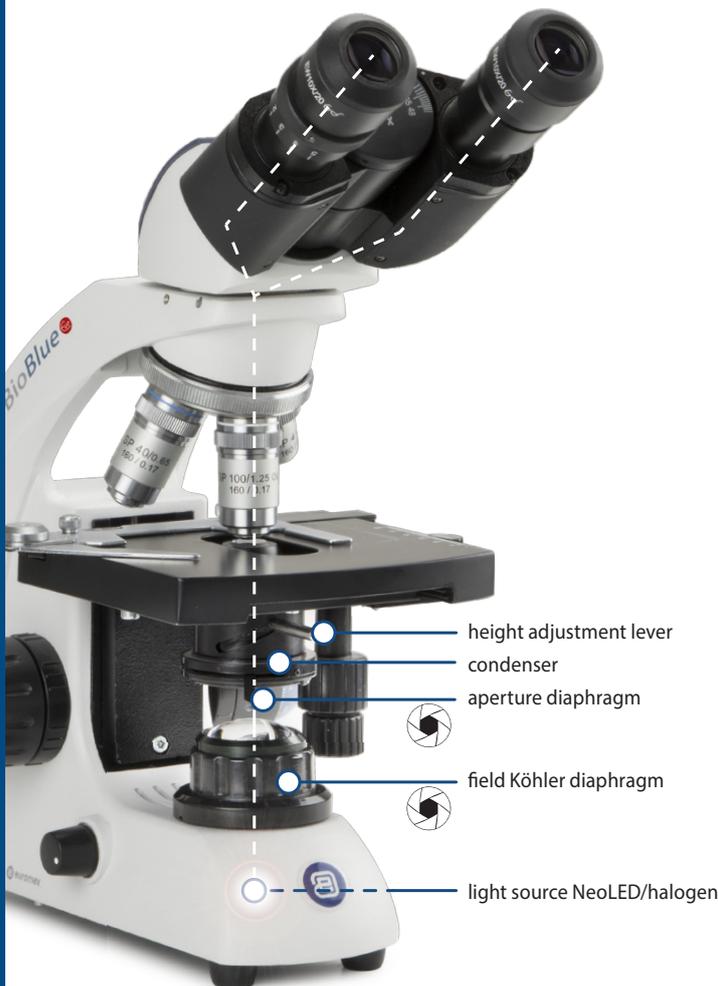
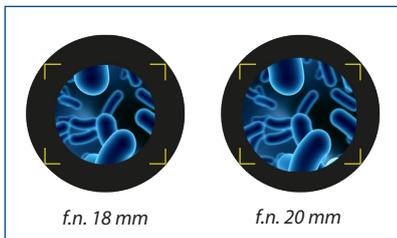
- Intensity adjustable 1 W NeoLED™ Köhler illumination system. This produces a very uniform illumination of the sample and eliminates all interferences from dust on lenses. It also ensures the highest possible contrast and the maximum achievable resolving power of the optical system (Halogen versions on request)
- Supplied with rechargeable batteries and integrated power supply for cordless operation

PACKAGING

- Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil
- All packed in a polystyrene box

MODELS	Binocular	Trinocular	4/10/540/5100x oil SMP objective	S60x SMP objective*	Mechanical X-Y stage	Köhler illumination	NeoLED™
BB.4260-E	•		•	◦	•	•	•
BB.4253-E		•	•	◦	•	•	•

*Optional



● BB.4253-E with CMEX camera

ACCESSORIES AND SPARE PARTS

- AE.5572-E** EWF10x/20 mm eyepiece
- AE.5581-E** EWF10x/20 mm micrometer eyepiece with pointer
- AE.5580-E** EWF10x/20 mm micrometer eyepiece with crosshair
- AE.5579-E** EWF10x/20 mm micrometer eyepiece with 10/100 micrometer and cross hair
- AE.5573-E** WF15x/16 mm eyepiece
- AE.5582-E** WF20x/12 mm eyepiece

AE.1110 Stage micrometer 1 mm/ 100 parts

- AE.5591** Semi plan objective 4x/0.10. Working distance 37.5 mm
- AE.5593** Semi plan objective 10x/0.25. Working distance 6.54 mm
- AE.5594** Semi plan objective 20x/0.40. Working distance 1.2 mm
- AE.5597** Semi plan objective S40x/0.65. Working distance 0.68 mm
- AE.5599** Semi plan objective S60x/0.75. Working distance 0.2 mm
- AE.5601** Semi plan objective S100x/1.25 oil immersion. Working distance 0.22 mm

- AE.5202** Blue filter, diameter 32 mm
- AE.5203** Yellow filter, diameter 32 mm
- AE.5204** Neutral grey filter, diameter 32 mm
- AE.5205** Green filter, diameter 32 mm
- AE.5207** Blue filter plexiglass, diameter 32 mm

AE.5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter

AE.5025 T2 adapter for Nikon D digital SLR cameras

AE.5040 T2 adapter for Canon EOS digital SLR cameras

Other T2 adapters on request

BB.4300 Aluminium case for BioBlue microscopes

AE.9918 Nylon microscope bag (25 x 39 x 19 cm)

BB.9602 Analyzer in slider

AE.9991 1 W NeoLED™ replacement unit

AE.5227 Glass fuses 1 A 250 V, 10 pieces

PB.5155 Microscope slides 76 x 26 mm, ground edges, 50 pieces

PB.5165 Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces

PB.5168 Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces

PB.5245 Lens cleaning paper, 100 sheets per pack

PB.5255 Immersion oil, n = 1.482 (25 ml)

PB.5274 Isopropyl alcohol 99% (200 ml)

PB.5275 Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs



● **AE.9918**