

# Technical Specifications BM900 LED

## Slit Lamp Illuminator

Slit image width	0 – 8 mm continuous
Slit image length	1 - 8 mm continuous
Illumination field diameter	8, 5, 3, 2, 1, 0.2 mm Test mark with fixation star
Slit image radial range	± 90°
Radial movement of the slit light illumination relative to the microscope axis	Horizontal ± 90°, vertical 0 - 20°
Filters	Blue, red-free (green), grey (10 %) The UV filter and the heat absorption filter are permanently mounted
Light source	LED 24 VDC / 1 A
Brightness levels, slit illumination:	Level 1 (min.) Approx. 10'000 lx Level 10 (max.) Approx. 450'000 lx
Brightness levels, background illumination fixed:	Level 1 (min.) Approx. 30 lx Level 10 (max.) Approx. 15'000 lx
Brightness levels, background illumination pivoting:	Level 1 (min.) Approx. 60 lx Level 10 (max.) Approx. 30'000 lx
Working temperature	10° to 35° C

## Stereo-Microscope

Stereo angle	13°
Magnification changer	1x and 1,6x
Magnification: with ocular 10x (standard) with ocular 25x	10x and 16x 25x and 40x
Range of adjusting eye-pieces	+8 to -8 diopters
Inter pupillary distance	54 - 94 mm

## Instrument base

Operation	Single handed 3-dimensional operation of the guide lever
Adjustment of the instrument base	100 mm (length), 100 mm (side), 30 mm (height)

## Power supply

Input 100 to 240 VAC (±10%)  
50 – 60 Hz  
60 VA  
Output 1 24 VDC / 1 A  
Output 2 5 VDC/ 200 mA

## Net weight

11.4 kg (without power supply, headrest and options)