

### 3 Device description

#### 3.1 Essential features

All Leisegang colposcopes offer the following features:

- Convergent beam path; the beam paths converge at a working distance of 300 mm
- 300 mm working distance
- Green filter for viewing vessels (apart from angled devices)
- Compensation of refractive errors through adjustable eyepieces
- LED lighting with an illumination intensity of 45,000-52,000 lx<sup>1</sup> and a colour temperature between 5,700-6,000 K,
- Leisegang colposcopes are designed for a service life of 10 years.

#### 3.2 Colposcope

Front



1	Magnification changer
2	Horizontal drive
3	Connecting tube
4	Vertical drive
5	Thread for mounting plate
6	Front lenses
7	Lamp optics

S5

Rear



8	LED illumination unit	S9
9	Green filter	
10	Clamp nut for tilt adjustment	S9
11	Lamp cable	
12	Eyepieces	S12
13	Prism bodies	

S19

S12

<sup>1</sup> 23,000-35,000 lx in S-devices (magnification: 3.75x/7.5x/15x)

## 4 Technical data

### 4.1 General information

Operational data	
Usage type	Not suitable for use in an oxygen-enriched environment
Operating mode	Suitable for continuous operation
Applied parts	The device has no applied parts that come into direct contact with the patient
Working distance	300 mm
Environmental and storage conditions	
Ambient temperature	10-45 °C
Relative humidity	30-75%, non-condensing
Air pressure	700-1,060 hPa
Storage	Dry, cool, protected against dripping water, non-condensing

### 4.2 Power supply

Power supply <b>REF</b> B 6400 / LED Y/C	
<b>S18</b> Input	100-240 V ~ 2 A <sub>max</sub> , 50/60 Hz
Output	3.2 V  3 A <sub>max</sub>
	5 V  600 mA <sub>max</sub>
Protection against electric shock	 Protection class II
<b>S4</b> Protection against harmful ingress of solids and liquids	IP 20
Integrated illumination	
<b>S14</b>	With magnification
	3.75x/7.5x/15x <b>S15</b> 7.5x/15x/30x
Light source	LED
Power consumption	10 W
Colour temperature T <sub>F</sub>	5,700-6,000 K
Illumination intensity E <sub>v</sub> (at a distance of 300 mm)	23,000-35,000 lx      45,000-52,000 lx
Illuminated field diameter	78 mm      58 mm
Field of view diameter	76/38/19 mm      46/23/11.5 mm

#### 4.6 5-wheeled spider base



S17

<b>Model</b>	<b>Heavy 5-wheeled spider base</b>
<b>Weight</b>	25.00 kg (incl. counterweight)
<b>Diameter</b>	650 mm
<b>Castors</b>	Universal castors for all floors, 5 lockable castors