



# Slit Lamps

SL9800 | SL9900 | SL9900 ELITE

EN

CSO

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SL9900 ELITE

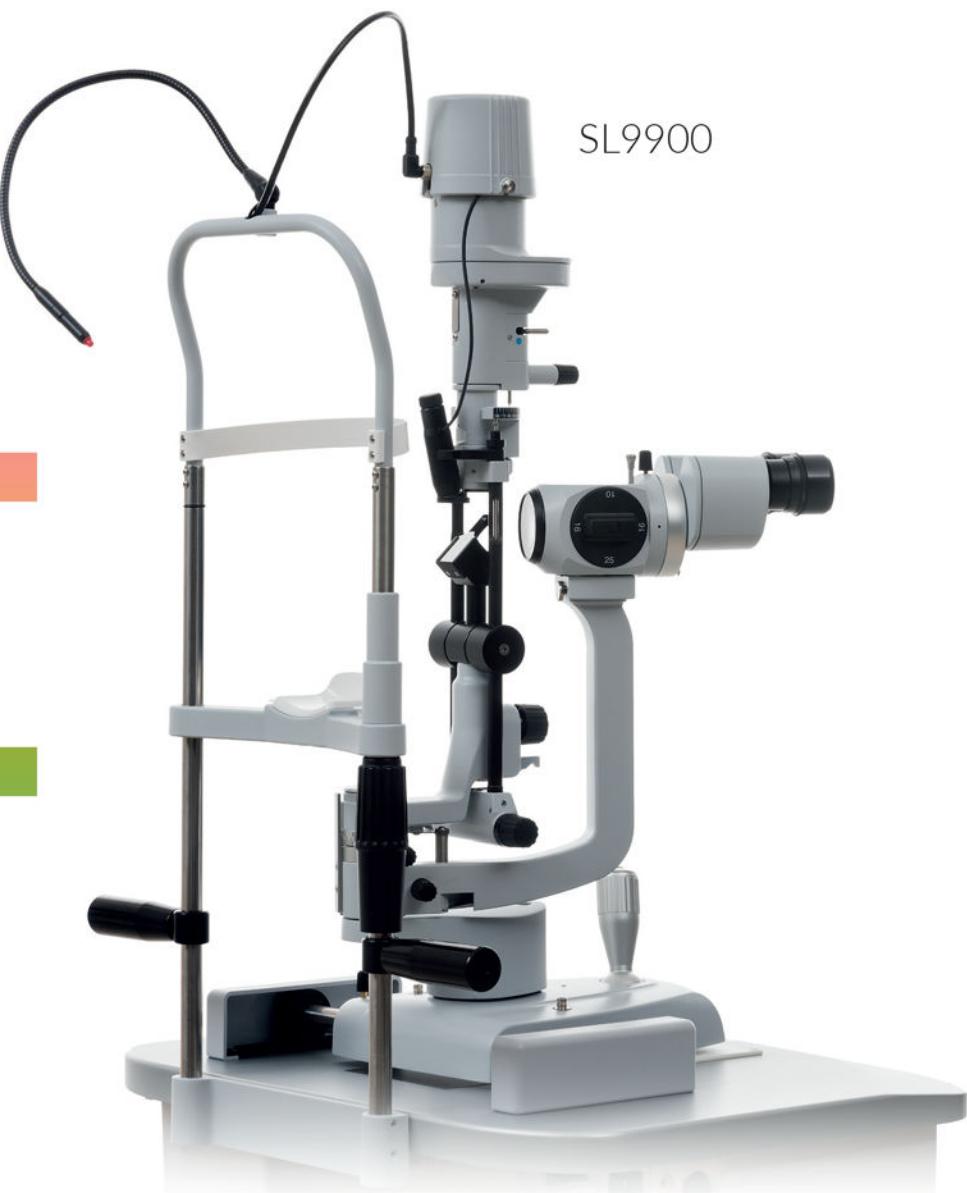


## SLIT LAMPS

### SL9800 | SL9900 | SL9900 ELITE

CSO slit lamps are engineered to the highest European quality standards and come equipped with LED illumination.

Ergonomic design, high quality optics and precision mechanical parts provides the user with an unparrelled experience while conducting a slit lamp examination.



#### LED LIGHT SOURCE

LED illumination provides comfort to the patient during the examination due to the lack of heat. Image colour temperature is maintained at all illumination levels. Our LED technology has an estimated life of 50000 hours of continuous use, you will never need to replace a bulb again.



#### DIGITAL VIDEO CAMERA\* (OPTIONAL)

All CSO slit lamps can be equipped with the CSO Digital Vision HR camera. This high performance camera can capture and record the smallest details, while conducting a slit lamp examination. When connected to the Phoenix patient management software, it is possible to store high quality images or video for further review.



\* (not compatible with 2X microscope)



SL9800



**MICROSCOPE**  
3X | 5X | ZOOM

Converging microscope optics provides comfort to the user when using the slit lamp. All the microscopes have a yellow filter to improve the image quality during fluorescein tests.



**TONOMETERS (OPTIONAL)**  
A900 | F900 | Z800

All CSO slit lamps are compatible with applanation tonometers.



**MICROSCOPE 2X**

A converging microscope with 10x and 16x magnifications is also available for the SL9800 and SL9900.



**POLARIS (OPTIONAL)**  
Advanced analysis of the tear film

Polaris enables the user to evaluate the stability and quality of the tear film through the measurement of the non invasive break up time. Polaris integrates with the Phoenix software system so the patient data can be recorded for later review.

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## TECHNICAL DATA

|  | SL9800                               | SL9900   SL9900 ELITE                         |
|--|--------------------------------------|---|
| Slit projection                          | 1.16X                                | 1X  |
| Slit width (setting continuous)          | 0 - 14 mm                            | 0 - 12 mm                                     |
| Slit length (setting continuous)         | 1.8 - 13 mm                          | 1 - 12 mm                                     |
| Slit length (max)                        | 14 mm                                | 12 mm   |
| Apertures                                | 14, 9, 5.5, 0.3 mm                   | 12, 9, 5, 3, 1, 0.2 mm                        |
| Filters                                  | Blue, Red, Green (Red free)          | Blue, Red, Gray, Green (Red free)             |
| Light Diffuser                           | light diffuser                       | light diffuser                                |
| Background light                         | only with Digital Vision HR          | only with Digital Vision HR                   |
| Slit rotation                            | ± 90° continuous, on the TABO system |   |
| Slit angle                               | 0° horizontal                        | variable 0°   5°   10°   15°   20°            |
| Rotation interval of the slit projection | ±90°, angular scale, reference on 0° | ±90°, angular scale, reference on 0° and ±10° |
| Working distance                         | 68 mm                                | 80 mm   |
| Joystick push button                     | only with Digital Vision HR          |   |
| Left/Right detection                     | only with Digital Vision HR          |   |
| Voltage                                  | 15V DC 1A                            |   |
| Light source                             | White LED                            |   |
| Brightness                               | 248000 LUX continuous adjustment     |   |
| Dimensions (HxWxD)                       | 440 x 313 x 335mm                    | 675 x 313 x 335mm                             |
| Weight                                   | 7 kg                                 | 7.8 kg  |

## SL9800 | SL9900 | SL9900 ELITE

| MICROSCOPE                 | 2X             | 3X  | 5X   | Zoom          |
|----------------------------|----------------|---|--|---------------|
| Type                       | Convergent     | Galileian convergent with magnification change system | Galileian convergent with variable magnification |               |
| Eyepiece convergence angle | 13°            |   | 6°   |               |
| Eyepiece                   | 10X            | 12,5X   | 12,5X  | 12,5X         |
| Eyepiece adjustment        |                | ±8 D.   |  |               |
| Magnifications             | 10X   16X      | 10x   16x   25x                                       | 6x   10x   16x   25x   40x                       | 7X   30X      |
| Field of view              |                | 8,5x   14,8x   25,6x                                  | 5,6x   8,5x   14,8x   25,6x   39,3x              |               |
| Interpupillary distance    | 18,5mm   12mm  | 26mm to 8,5mm   | 41mm to 5,7mm                                    | 30mm to 7,4mm |
| Barrier filter             | 51,5mm to 87mm |   | 50mm to 80mm                                     |               |
| Barrier filter             |                |   | yellow   |               |

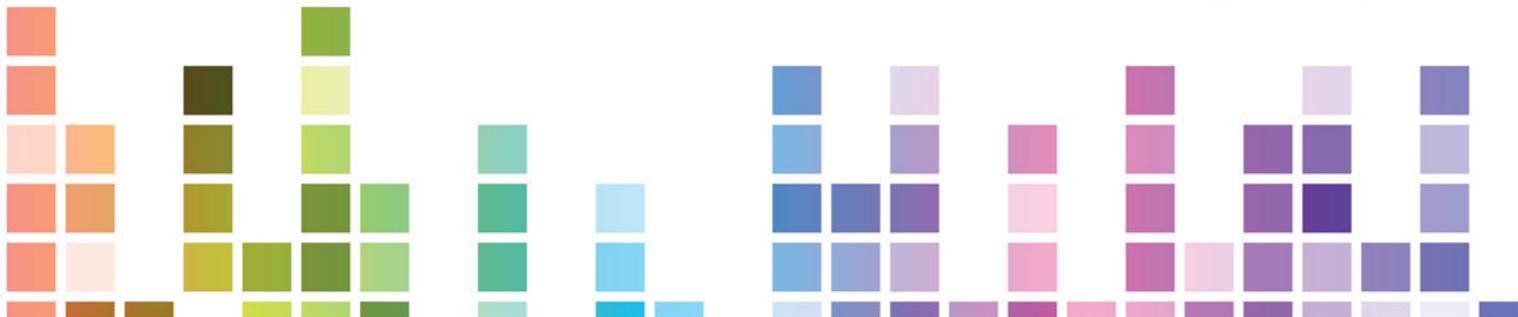
## MINIMUM SYSTEM REQUIREMENT(VERSION DIGITAL HR)

PC: 4 GB RAM - Video Card 1 GB RAM (not shared) resolution 1024 x 768 pixels - USB 3.0 type A

Operating system: Windows XP, Windows 7 and Windows 10 (32/64 bit).

\* The specifics and the images are not contractually binding and can be modified without notice. Windows® is a Microsoft Corporation trade mark.

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