

SL-1100

SLIT LAMP

B"H



LUXVISION
PRECISION INSTRUMENTS





The tower illumination model, SL-1100, is a cost effective Luxvision slit lamp that does not compromise on features or quality. Rheostat based, adjustable illumination allows the user to easily modify the intensity throughout the exam. To see the ocular structures in more detail, easily switch between two magnifications, 10x and 16x. As well, an additional 10x eyepiece will also provide capabilities of 16x and 25x magnification. The SL-1100 can be used in combination with any standard applanation tonometer for accurate intra-ocular pressure measurements. Four filters, cobalt blue, red free, grey and heat absorption, will aid in a more thorough examination of the eye.

This tower illumination model slit lamp provides everything necessary for a thorough eye exam. Applanation tonometer compatible, three magnifications (10x, 16x and 25x), tower illumination tilting and four different filters are just some of the features that make this reliable slit lamp a piece of equipment you need in your office.

Stereoscopic optical system

Two magnifications 10x and 16x

Includes 16x eyepiece which gives capabilities of 16x and 25x

Tower illumination type

The SL-1100 offers tower illumination tilting

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Illumination

Conveniently switch from one illumination to another as needed throughout the exam.

Heavy lens kit standard Accessory drawer

Use it to store the focusing test rod and the other accessories.

Aperture and Slit Height

Rotate the knob to adjust the slit height. Swing the knob horizontally to revolve the slit.

- **Horizontal mark**
When the horizontal center of the patient's eye is aligned with this mark, the elevation of the microscope. Controlled by joystick is also on its center position.
- **Filters**
Four filters are available, heat-absorption, grey, red-free and blue.
- **Chin-rest elevation adjustment knob**
Rotate the knob to adjust the elevation of the chin-rest.
- **Microscope and illumination arm couple bolt**
Fasten this bolt and the illumination arm and the microscope arm can be Rotated together.

10x measuring eyepiece

Replace the common eyepiece with this to measure the length and angle.

Scale specification

Length scale: 116mm/0.63in (0.5mm/0.019in minimum graduations)

Angle scale: 360° (5° minimum graduations)

Measuring parameters

Length scale: To be used at 10x only

Diopter compensation: -5D to + 3D

Angle scale: No limitation

Applanation tonometer (additional purchase)

This SL-1100 slit lamp can be equipped with TN-150, Model R-900 or Model T-900 applanation tonometer to measure the intraocular pressure.



Specifications



SL-1100 SLIT LAMP

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Microscope	
Type	Cross-Angle stereovision
Model magnifying	Change the objective for 2 grade magnification
Eyepiece	10x and 16x (optional)
Total magnification rate	Objective x Eyepiece = magnification rate / vision field
	1x 10x 10x ø18mm/0.7in
	1.6x 10x 16x ø14.5mm/0.6in
	1x 16x 16x ø11.25mm/0.4in
	1.6x 16x 25.6x ø9mm/0.3in
Range of P.D. adjustment	10x eyepiece 55mm/2.16in to 82mm/3.23in
	16x eyepiece 51mm/2in to 78mm/3.07in
Diopter Adjustment	10x eyepiece ± 8D
Illumination	
Slit projection magnification	2/3x
Slit width	continuous from 0mm/0in to 9mm/0.35in (at 9mm/0.39in, slit becomes a circle)
Slit height	continuous from 1mm/0.039in to 8mm/0.315in
Aperture diameter	ø9mm,ø8mm,ø5mm,ø3mm,ø2mm,ø1mm,ø0.2mm ø0.35in,ø0.315in,ø0.19in,ø0.12in,ø0.08in,ø0.039in,ø0.008in
Slit angle	0° to 180° continuously adjustable from vertical to horizontal
Slit inclination	5°,10°,15°,20° four steps
Filter piece	heat-absorption, grey, red-free and blue
Illumination bulb	12V/30W halogen bulb
Movement base	
Fore and back movement	90mm/3.54in
Left and right movement	100mm/3.93
Fine movement	15mm/0.59in
Vertical movement	30mm/1.18in
Chin-rest parts	
Vertical movement	80mm/3.15
Fixation target	Red-LED
Power Source	
Input voltage	100/220V ~ ±10%
Input frequency	50/60 Hz
Input power	58VA
Output voltage	Illumination bulb 9.9V, 11.6V
	Fixation target 7.2V
Electric safe standard	Conform to Standard IEC601 - 1, Class I Type B
Dimension and weight	
Packing box	720 x 495 x 480mm / 28.34 x 19.48 x 18.89in
Total weight	24 Kg / 52.14 Lb
Net weight	21 Kg / 46.5 Lb

Designs and details can be changed without prior notice for the purposes of improvement.

