

SLIT LAMP ESL-7800

ILLUMINATE THE PATH TO PERFECT
VISION WITH UNMATCHED CLARITY AND
PRECISION.

ELI
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The ESL-7800

offers unparalleled diagnostic accuracy with its advanced optics and superior magnification levels. As the premier model in Ezer's series, the **ESL-7800** features a traditional tower-style design, combining specialized optics with an expansive field of view and high magnification capabilities.

The **ESL-7800** excels in providing high-clarity illumination, with two reflecting mirrors, four built-in filters, and two fixation targets. Additionally, it comes with a Hruby Lens Kit and other specialty items designed to enhance diagnostic precision. With its exceptional features, superior design, flexibility, and performance, the **Ezer ESL-7800 Slit Lamp Microscope** offers exceptional value for practitioners seeking a top-tier diagnostic tool.

ESL-7800

Equipped with an advanced Galilean Optical System and a five-step revolving drum, the ESL-7800 ensures effortless magnification adjustments, eliminating the need for eyepiece changes. The unit also includes an Accessories Mount, allowing for easy integration with a Goldmann applanation tonometer equipment.



FEATURES

• **ADVANCED OPTIC SYSTEM:** The ESL-7800 Slit Lamp is equipped with cutting-edge optical technology ideal for advanced imaging systems. Its optical beamsplitter, featuring an "in-out" prism system, maximizes illumination for the practitioner while simultaneously accommodating digital and video imaging systems. Additionally, the dual-port beamsplitter supports the attachment of an assistantscope, enhancing collaborative examination capabilities.

• **MAGNIFICATION:**
RANGES from 6x to 40x

• **LARGE BINOCULAR FIELD OF VIEW:** The Ezer ESL-7800 features a Galilean converging optical system that delivers an exceptionally large binocular field of view, with sizes including Ø33mm, Ø22.5mm, Ø14mm, Ø8.8mm, and Ø5.5mm.

• **INTEGRATED CONTROL JOYSTICK:** The integrated joystick provides easy control for sharp image acquisition. The ESL-7800's base allows flexible movement: forward/back (90mm), left/right (100mm), fine adjustment (15mm), and vertical (30mm). The joystick enables horizontal fine-tuning and vertical alignment. Once aligned, the base can be locked to prevent sliding.

• **ERGONOMICALLY DESIGNED ILLUMINATION CONTROL:** The sleek design ensures effortless operation with precise joystick and knob movements. The illumination lever is conveniently located next to the joystick, while the brightness control switch offers High or Normal settings, making diagnostic procedures simpler.

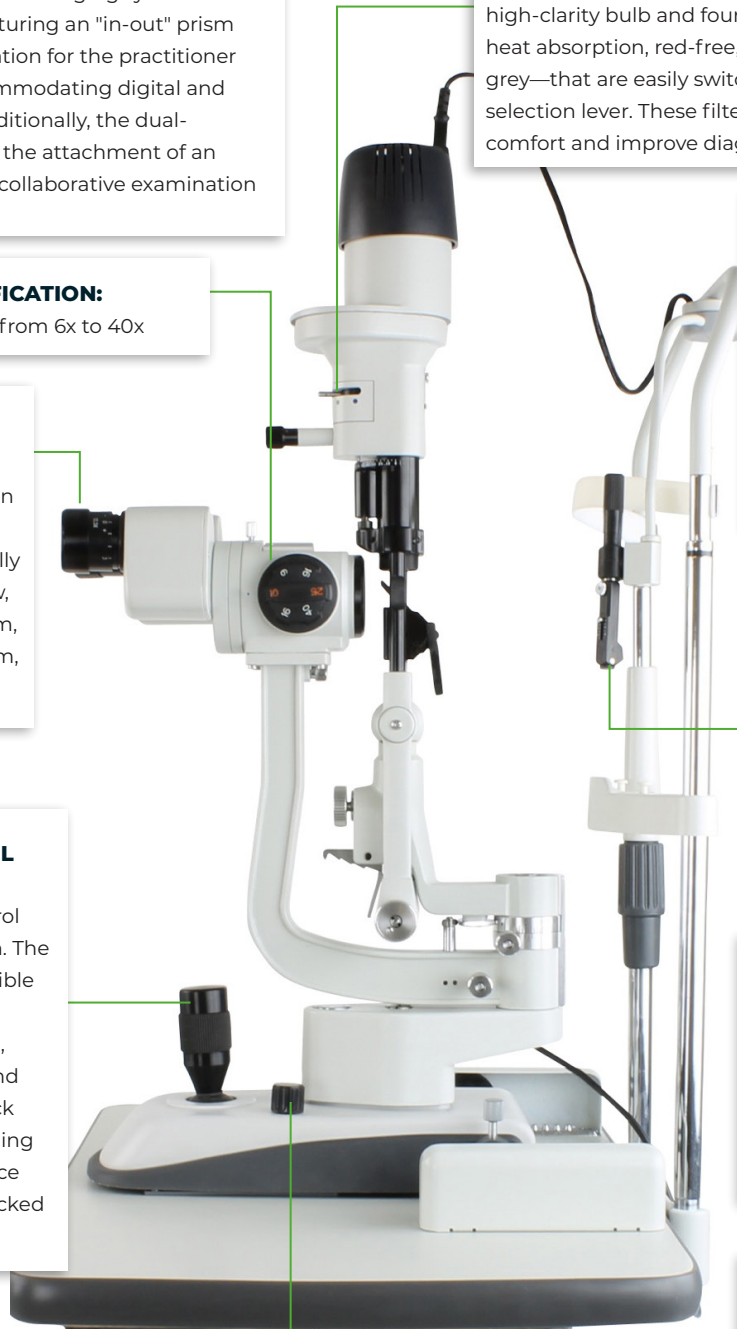
• **HIGH CLARITY LUMINANCE AND BUILT-IN FILTERS:** The device features a high-clarity bulb and four built-in filters—heat absorption, red-free, cobalt blue, and grey—that are easily switched using the selection lever. These filters enhance patient comfort and improve diagnostic contrast.

• **OPTICAL SYSTEM:** This slit lamp is ideal for technically advanced imaging systems. When using the beam splitter, the ESL-7800 allows maximum illumination to the practitioner, combined with digital and video imaging.

• **TWO FIXATION TARGETS:** The fixation target with diopter compensation and with spot light

• **APPLANATION TONOMETER:** This slit lamp can be equipped with TN-150 / TN-150B applanation tonometer to measure the intraocular pressure.

• **FUNDUS OBSERVATION:** allows for a dilated examination of the fundus and the posterior segment of the vitreous body using a Hruby Lens with the unit's Hruby Lens Holder and Hruby Lens Guide Plate.



SPECIFICATIONS

MICROSCOPE	Type	Galileo magnification changer with converging
	Magnification	5 steps by drum rotation
	Eyepiece	12.5x
	Total Magnification Rate	6x 10x 16x 25x 40x
	Field of View	(ø33mm) (ø22.5mm) (ø14mm) (ø8mm) (ø5.5mm)
		(ø1.3in) (ø0.9in)(ø0.6in) (ø0.31in) (ø 0.22in)
	Range of P.D. Adjustment	55mm/2.16in to 75mm/3in
	Diopter Adjustment	-5D to +3D
ILLUMINATION	Slit Projection Magnification	2/3x
	Slit Width	continuous from 0mm/0in to 9mm/0.35in (at 9mm/0.35in, slit becomes a circle)
	Slit Height	continuous from 1mm/0.04in to 8mm/0.31in
	Aperture Diameter	ø9mm, ø8mm, ø5mm, ø3mm, ø2mm, ø1mm, ø0.2mm
		ø0.35in, ø0.31in, 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	6V 20W halogen bulb
MOVEMENT BASE	Back and Forth Movement	90mm/3.54in
	Left and Right Movement	100mm/4in
	Fine Vertical Movement	15mm/0.6in 30mm/1.2in
CHIN-REST PARTS	Vertical Movement	80mm/3.14
	Fixation Target	Red-LED
HURBY LENS	Hurby Lens	-58.7D (optionally available in some regions)
POWER SOURCE	Input Voltage	100/220V ~+10%
	Input Frequency	50/60 Hz
	Input Power	30VA
	Output Voltage	Illumination bulb OV ~ 6V
		Fixation target 6V
DIMENSION AND WEIGHT	Packing Box	720 x 495 x 480mm 28.35 x 19.5 x 19in
	Total Weight	24 kg / 52.8 Lb
	Net Weight	21 kg / 46.2 Lb