

Xcel® 455 Slit Lamp Specifications

Catalog Numbers

15140 Xcel 455 Slit Lamp	15121 Halogen Lamp
12591 CT100 Tonometer	12595 Tonometer Prism

Microscope

Microscope Type	Galilean
Magnification Change	5 step drum rotation
Eyepiece	12.5x
Magnification Ratio	6.5x, 10x, 16x, 25x, 40x
Fields of View	37, 24, 15, 9, 6 mm
PD Range	49 – 78 mm
Diopter Adjustment	±6 D
Working Distance	107.7 mm

Slit Lamp

Slit Illumination	6V 20W halogen
Slit Width	0 – 12 mm
Slit Length	1.5 – 12.5 mm
Slit Apertures	0.3, 1, 3, 5, 9, 12 mm
Slit Rotation	0 – 180°
Slit Inclination	-5°, -10°, -15°, -20°
Filters	Red free, heat absorbing, cobalt blue, neutral density
Illuminance Range	0 to >50000 lux

Base Movement Ranges

Longitudinal (In/Out)	110 mm (4.3 in.)
Lateral (Left/Right)	110 mm (4.3 in.)
Vertical (Up/Down)	30 mm (1.2 in.)

Chinrest

Fixation Lamp	White LED
Vertical Movement	70 mm (2.8 in.)

Power

Voltage	100 – 240 VAC
Power Input (max)	56 – 73 VA
Frequency	50/60 Hz
Fuses	Time-lag (1.6A, 250V), 5x20 mm

Dimensions/Weight

Height	66.0 cm (26.0 in.)
Width	45.7 cm (18.0 in.)
Depth	34.3 cm (13.5 in.)
Table Dimensions	46.5 x 32 cm (18.3 x 12.6 in.)
Weight, Unpacked	17.8 kg (39.3 lbs.)