



## Xcel<sup>®</sup> 455 Slit Lamp

Five-Step Magnification, Tower Illumination

*Where Performance and Value Converge.*

## Xcel® 455 Slit Lamp

The all-new Reichert® Xcel® 455 Slit Lamp offers the performance, versatility, and exceptional value to meet the needs of the most discriminating operator. The Xcel 455's precision optics incorporate lenses with high efficiency multilayer optical coating for enhanced light transmission, resulting in bright, even illumination and outstanding image clarity. A large field of view with high resolution and depth of focus offers an excellent stereo binocular view. The five step magnification changer and filter options provide flexibility in viewing different structures of the eye. Eyepieces with 12.5x magnification and converging binoculars ensure comfortable viewing. Slit inclination up to 20° allows examination in the oblique sections. The base and slit elevation can be maneuvered smoothly and easily using the joystick control.



The available **CT100** Contact Tonometer can be easily mounted on the Xcel 455.



## Specifications

**15140** Xcel® 455 Slit Lamp

### MICROSCOPE

|                             |                          |
|-----------------------------|--------------------------|
| <b>Microscope Type</b>      | Galilean                 |
| <b>Magnification Change</b> | 5 Step Drum Rotation     |
| <b>Eyepiece</b>             | 12.5x                    |
| <b>Magnification Ratio</b>  | 6.5x, 10x, 16x, 25x, 40x |
| <b>Fields of View</b>       | 37, 24, 15, 9.5, 6 mm    |
| <b>PD Range</b>             | 49 – 78 mm               |
| <b>Diopter Adjustment</b>   | ±6 D                     |
| <b>Working Distance</b>     | <370 mm                  |

### SLIT LAMP

|                          |  |
|--------------------------|--|
| <b>Slit Illumination</b> | 6V 20W Halogen   |
| <b>Slit Width</b>        | 0 – 12 mm  |
| <b>Slit Length</b>       | 1.5 – 12.5 mm  |
| <b>Slit Apertures</b>    | 0.3, 1, 3, 5, 9, 12 mm                                 |
| <b>Slit Rotation</b>     | 0 – 180°   |
| <b>Slit Inclination</b>  | -5°, -10°, -15°, -20°                                  |
| <b>Filters</b>           | Red Free, Heat Absorbing, Cobalt Blue, Neutral Density |
| <b>Illuminance Range</b> | 0 to >50000 lux  |

### BASE MOVEMENT RANGES

|                              |                  |
|------------------------------|------------------|
| <b>Longitudinal (In/Out)</b> | 110 mm (4.3 in.) |
| <b>Lateral (Left/Right)</b>  | 110 mm (4.3 in.) |
| <b>Vertical (Up/Down)</b>    | 30 mm (1.2 in.)  |

### CHINREST

|                          |                 |
|--------------------------|-----------------|
| <b>Fixation Lamp</b>     | White LED       |
| <b>Vertical Movement</b> | 70 mm (2.8 in.) |

### POWER

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

### DIMENSIONS/WEIGHT

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

### ADDITIONAL CATALOG NUMBERS

|              |                 |
|--------------|-----------------|
| <b>15121</b> | Halogen Lamp    |
| <b>12591</b> | CT100 Tonometer |
| <b>12595</b> | Tonometer Prism |

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