Stunning Details

VISULUX®
Motorized Fiber Slit Lamp
Preserving the miracle of sight – with its top-quality systems, Carl Zeiss aspires to support the endeavors of ophthalmic surgeons. In addition to outstanding visualization, ergonomically correct operation plays a key role. This is also true of the VISULUX® motorized fiber slit lamp that is mounted under the surgical microscope.

**Application in the anterior segment of the eye**

VISULUX® is ideal for the anterior segment of the eye: during cataract surgeries, for example, it facilitates visualization of the anterior capsule with dense cataracts when the red reflex can no longer be easily recognized due to the severe opacity. (1) The intraoperative detailed display of different corneal layers is very helpful in visualizing the position of the transplant, e.g. during DSAEK procedures. (2)

**Application in the posterior segment of the eye**

Furthermore, VISULUX® can also be used on the posterior segment of the eye. It is not only excellent for membrane peeling, but also simplifies vitrectomies, work on detached retinas and fundus tumors, or the removal of foreign bodies from the vitreous. (3) VISULUX® delivers the following advantages over endoillumination during procedures on the retina:

- Less scattered light enables a higher contrast image
- Possibility of bi-manual surgery
- An additional sclerotomy is not required to introduce the endo-illumination into the eye
- Procedures on retinal membranes are possible in the early stages as they are more easily recognized
Easy operation via foot control panel
The motorized functions of VISULUX® can be easily and comfortably operated via the foot control panel on the surgical microscope. You do not need to put your instruments aside and can continue working bimanually. Alternatively, the fiber slit lamp can also be moved by OR personnel via a sterile control element on the arc guide.

Short preparation time with quick-action changer
Thanks to VISULUX®, long preparation times between different types of procedures are a thing of the past: VISULUX® can be placed in the park position horizontally on both sides, thus providing room on the microscope to attach additional accessories. If you need to remove the fiber slit lamp from the surgical microscope, simply use the fast-change mechanism. Raise the lever and VISULUX® quickly detaches from the surgical microscope.

Technical data
| Slit width   | 0.05 mm / 0.1 mm / 2 mm / 3 mm / 4 mm |
| Slit height  | 12 mm |
| Angle of arc | ± 30° |
| OPMI® main lens | f = 200 mm |
| Weight       | 1.5 kg |

For mounting on OPMI® VISU, OPMI Lumera® T and OPMI LUMERA® 700 on suspension systems with dual light sources (e.g. S8, S81, S88, S23, S3)
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