



LUCIDIS

SWISS MADE
EDOF IOL

ADVANCED REFRACTIVE DESIGN

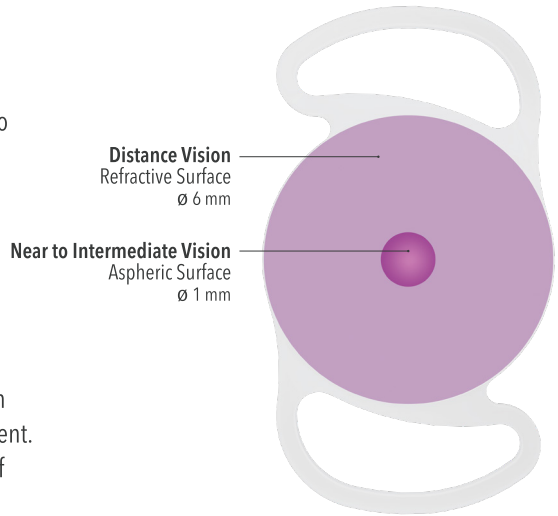


SWISS ADVANCED VISION
INTRAOCULAR LENS

LUCIDIS LENS

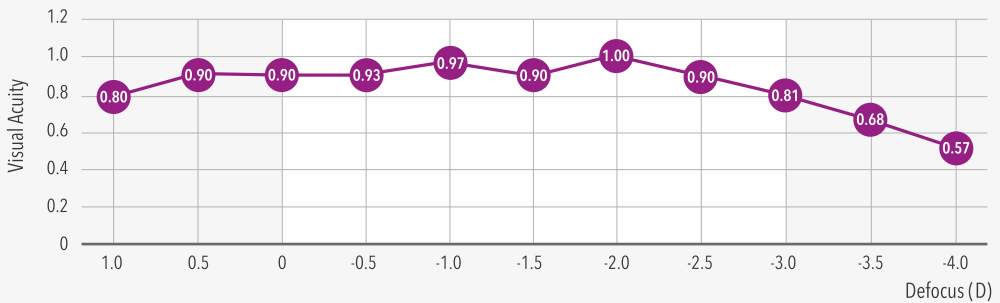
Lucidis is an advanced refractive EDOF IOL designed to correct the vision post cataract surgery. Developed and manufactured entirely in Switzerland, it offers patients an excellent balance between a wide visual accommodation range and a high quality of vision. To achieve such characteristics, Lucidis integrates the **EDOF technology Instant Focus** built around a refractive optical surface.

As a result, the loss of light and dysphotopsia remains within close range of a monofocal lens. In addition, the visual accommodation expands from the near vision continuously up to the distance vision providing an extra level of visual comfort for the patient. The closed loop haptic design enfolds the platform of Lucidis providing a stable fit in the capsular bag.



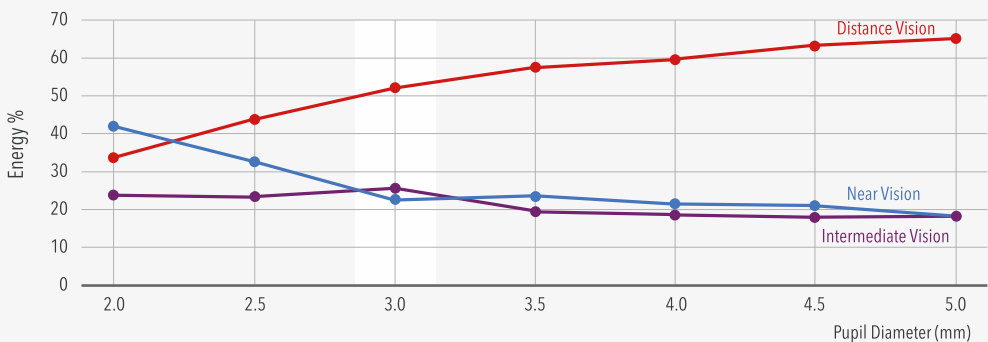
DEFOCUS CURVE

(25 bilateral patients)



LIGHT DISTRIBUTION - Pupil Aperture View

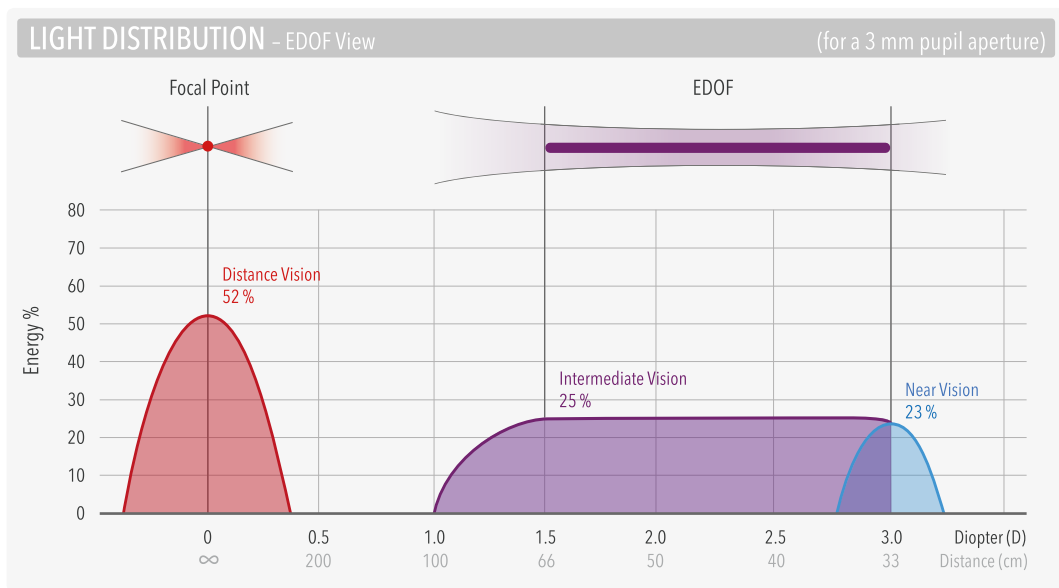
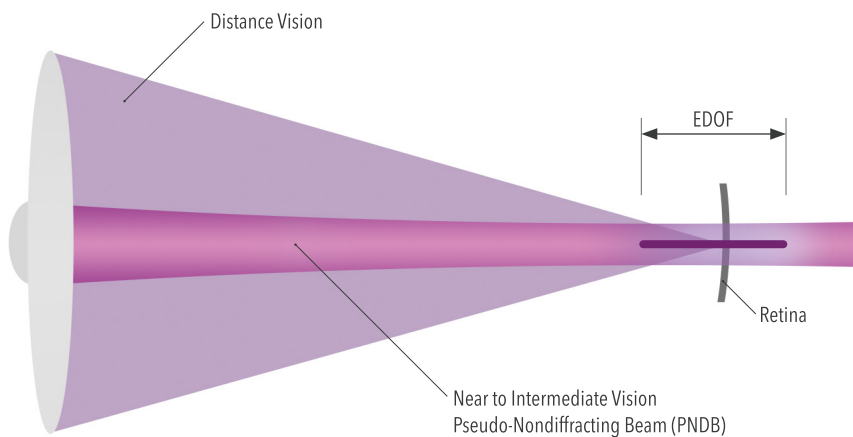
(measured on optical bench)



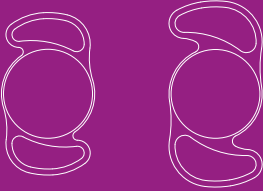
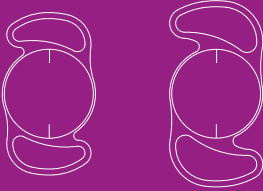
EDOF TECHNOLOGY

Instant Focus is a unique patented optical technology designed to replace the accommodative function of the natural lens. This technology enables to extend the depth of focus characterized by a constant resolution and peak of light intensity. This peak of light is obtained through a constructive light wave interference concept generated by an aspheric surface in the center of the lens.

The resulting beam of light is called **Pseudo-Nondiffracting Beam (PNDB)**. A Diffracting Beam starts diverging from the focal point, whereas a PNDB starts diverging after some distance. For Lucidis the PNDB is calculated to cover the near-intermediate vision continuously towards the distance vision.



TECHNICAL INFORMATION

Lens Model	LUCIDIS	LUCIDIS ^{Toric}
	 <p>Lucidis 108M Ø 10.8 mm</p> <p>Lucidis 124M Ø 12.4 mm</p>	 <p>Lucidis 108MT Ø 10.8 mm</p> <p>Lucidis 124MT Ø 12.4 mm</p>
Lens Type	Pseudophakic single piece foldable IOL	Pseudophakic single piece foldable IOL
Power Range	+5.0 to +30.0 D (by 0.5 D steps)	SE: +5.0 to +30.0 D (by 0.5 D steps) Cyl.: 1.00 / 1.50 / 2.25 / 3.00 / 3.75 / 4.50 D
Optical Diameter	6.0 mm	6.0 mm
Optical Design	Multizone (refractive, aspheric)	Multizone (refractive, aspheric)
Add/EDOF	+3.0 D (nominal value)	+3.0 D (nominal value)
UV Protection	Cutoff at 370 nm	Cutoff at 370 nm
Material	Hydrophilic acrylic (26 % water content)	Hydrophilic acrylic (26 % water content)
Square Edge Design	360° (posterior face)	360° (posterior face)
Haptic Design	Closed loop (0° angulation)	Closed loop (0° angulation)
Packaging	Plastic blister	Plastic blister
Recommended Injector Size	≥ 2.2 mm	≥ 2.2 mm

TORIC CALCULATOR
available on sav-iol.com

CONTACT

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INTRAOCULAR LENS

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