



EDEN

SWISS MADE
EDOF IOL

PREMIUM HYBRID DESIGN

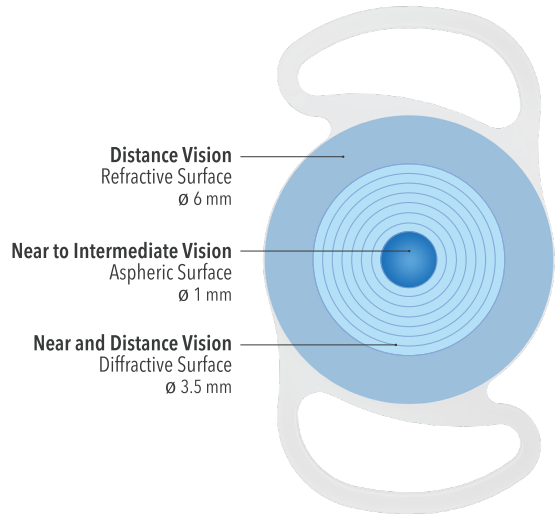


SWISS ADVANCED VISION
INTRAOCULAR LENS

EDEN LENS

Eden is a premium hybrid EDOF IOL designed to correct the vision post cataract surgery. Developed and manufactured entirely in Switzerland, it offers patients an excellent continuous near to intermediate vision. To achieve such characteristics, Eden integrates the **EDOF technology Instant Focus** built around a refractive-diffractive optical surface.

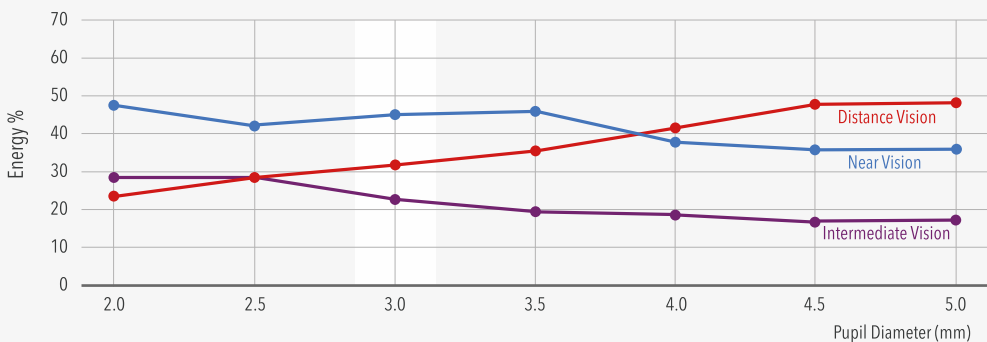
As a result, patients can benefit from an accommodation range that expands from the near vision towards the distance vision with a substantially minimized loss of light and dysphotopsia providing an extra level of visual comfort. The closed loop haptic design enfolds the platform of Eden providing a stable fit in the capsular bag.



Optimized for
Near-Intermediate Vision

LIGHT DISTRIBUTION – Pupil Aperture View

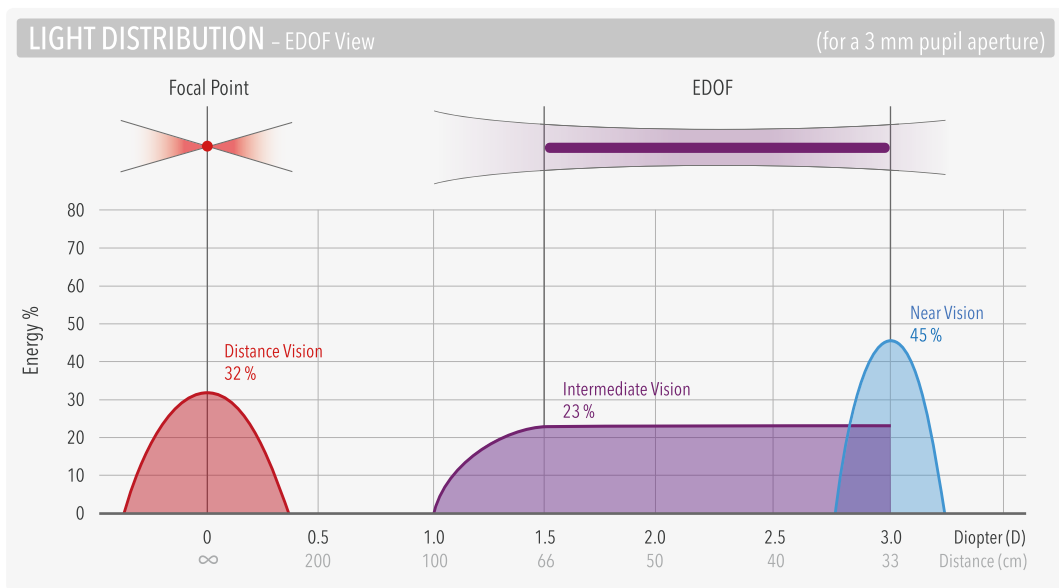
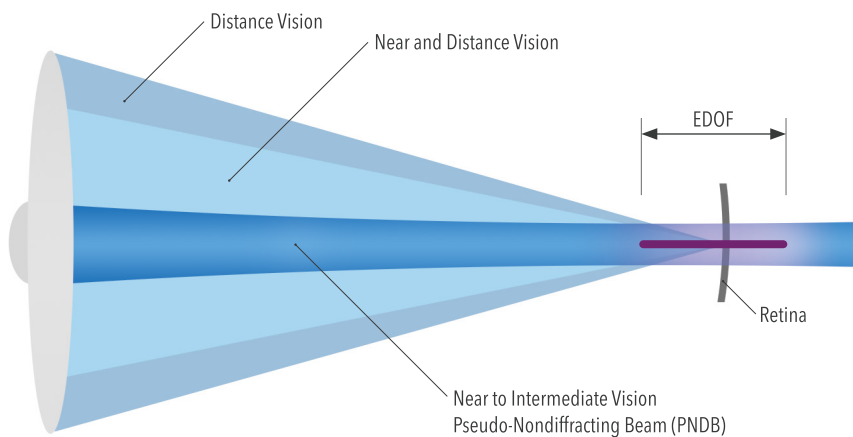
(measured on optical bench)



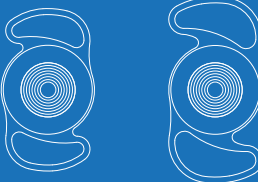
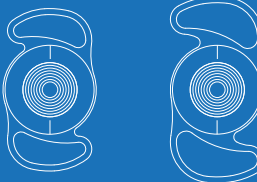
EDOF TECHNOLOGY

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 Eden the PNDB is calculated to cover the near-intermediate vision continuously towards the distance vision.



TECHNICAL INFORMATION

Lens Model	EDEN	EDEN ^{Toric}
	 <p>Eden 108M Ø 10.8 mm</p> <p>Eden 124M Ø 12.4 mm</p>	 <p>Eden 108MT Ø 10.8 mm</p> <p>Eden 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	Hybrid Multizone (refractive, diffractive, aspheric)	Hybrid Multizone (refractive, diffractive, 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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