

# LUCIDIS

SWISS MADE  
EDOF IOL

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ADVANCED REFRACTIVE DESIGN

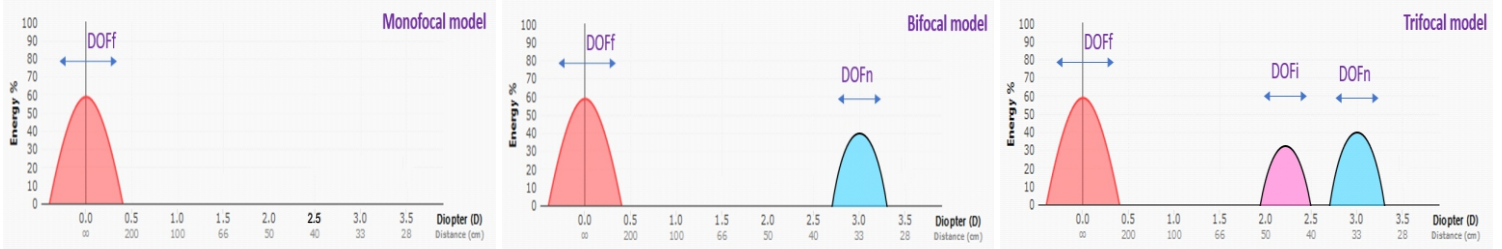


- » Advance Refractive EDOF IOL Design
- » Excellent far and good Intermediate and near vision
- » Developed and manufactured in Switzerland

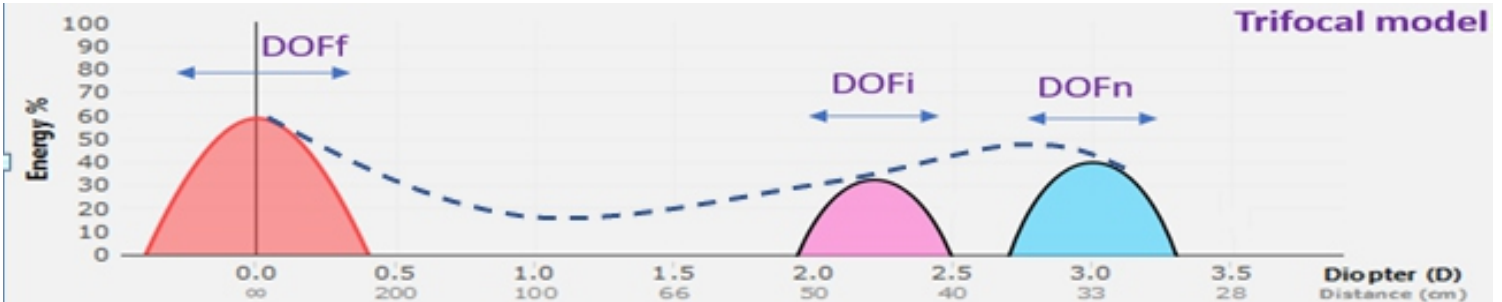


**SWISS ADVANCED VISION**  
INTRAOCULAR LENS

## DEPTH OF FOCUS ASSOCIATED WITH MODELLING

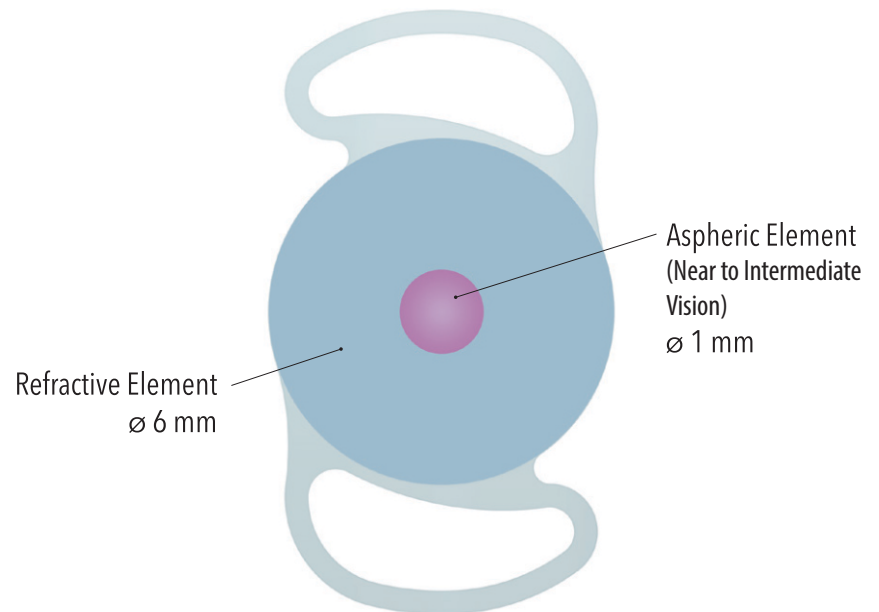


EDOF aims to **close gaps** between DOFs



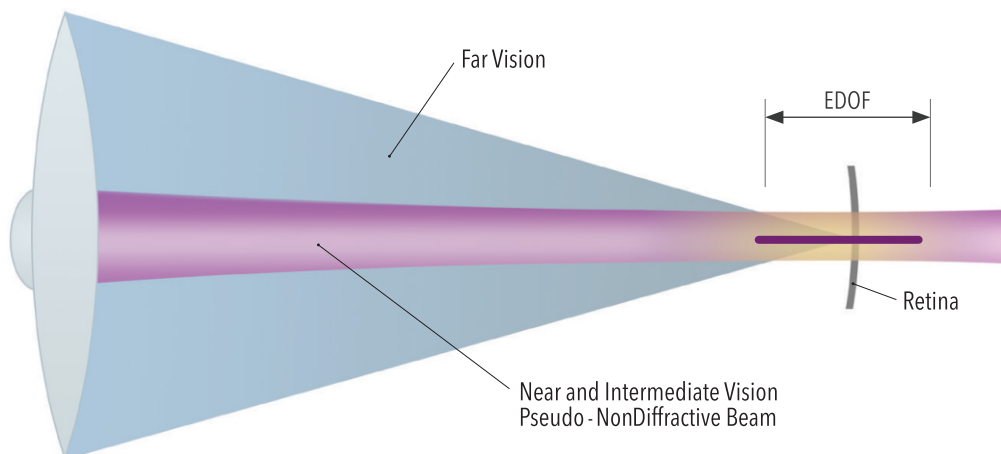
## LUCIDIS LENS

- » Lucidis is an advanced refractive EDOF IOL designed to correct the vision post cataract surgery.
- » Lucidis ideally combines the proven robustness of the monofocal lenses with the unprecedented performances of the **revolutionary EDOF technology** "Instant Focus"
- » Developed and manufactured entirely in Switzerland.
- » Lucidis offers patients an excellent balance between a wide visual accommodation range and a high quality of vision.
- » To achieve such characteristic, Lucidis integrates the **EDOF technology Instant Focus** built around a refractive optical surface.
- » The closed loop haptic design enfolds the platform of Lucidis providing a stable fit in the capsular bag.



## 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.

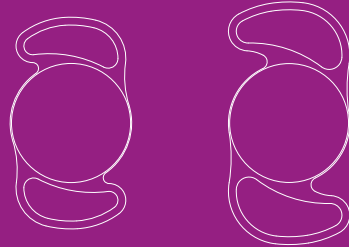


The resulting beam of light is called **Pseudo-NonDiffracting beam (PNDB)**. A Diffracting beam starts diverging from the focal point, whereas a PNDB starts diverging after some distance. For Lucidis the PNDB is calculated to cover the near-intermediate vision continuously towards the distance vision.

# TECHNICAL INFORMATION

## Lens Model

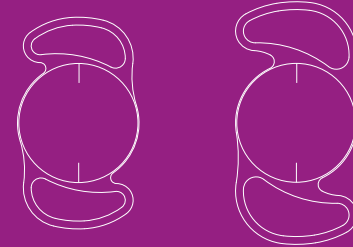
## LUCIDIS



**Lucidis 108M**  
Ø 10.8 mm

**Lucidis 124M**  
Ø 12.4 mm

## LUCIDIS <sup>Toric</sup>



**Lucidis 108MT**  
Ø 10.8 mm

**Lucidis 124MT**  
Ø 12.4 mm

**TORIC CALCULATOR**  
available on [sav-iol.com](http://sav-iol.com)

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

SAV-IOL Intraocular Lenses	A (SRK/T)	A (SRK II)	HofferQ	Holladay	Haigis			Ultrasound	Barrett
	Measured	Extrapolated							
			pACD	sf	a0	a1	a2		
<b>Lucidis 108M</b>	118.0	118.15	4.88	1.10	0.647	0.4	0.1	117.5	1.36
<b>Lucidis 124M</b>	118.5	118.78	5.20	1.42	0.978	0.4	0.1	118.0	1.62

# CONTACT

DISTRIBUTED BY:



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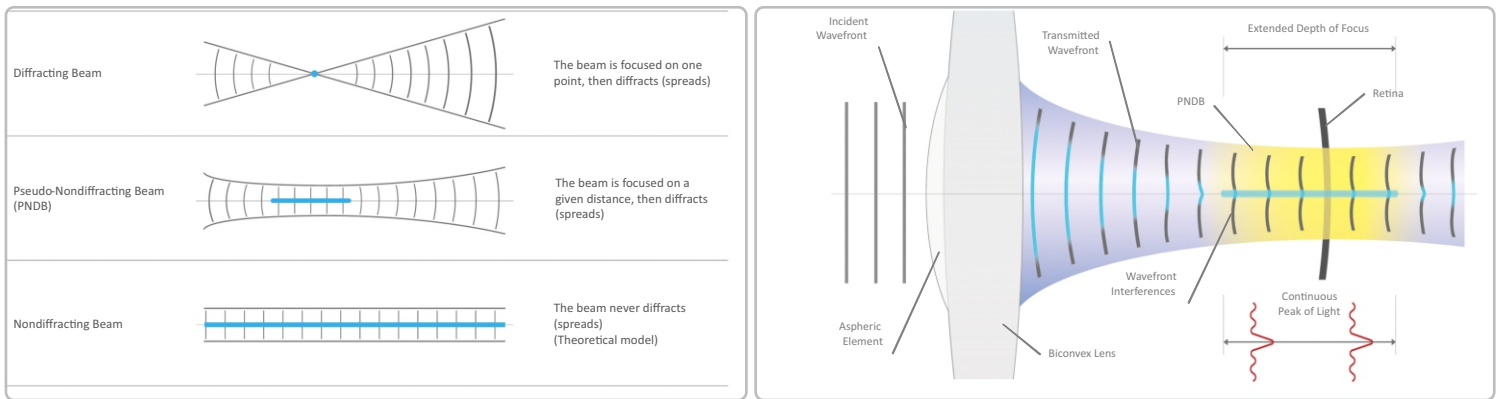
**SWISS ADVANCED VISION**  
INTRAOCULAR LENS

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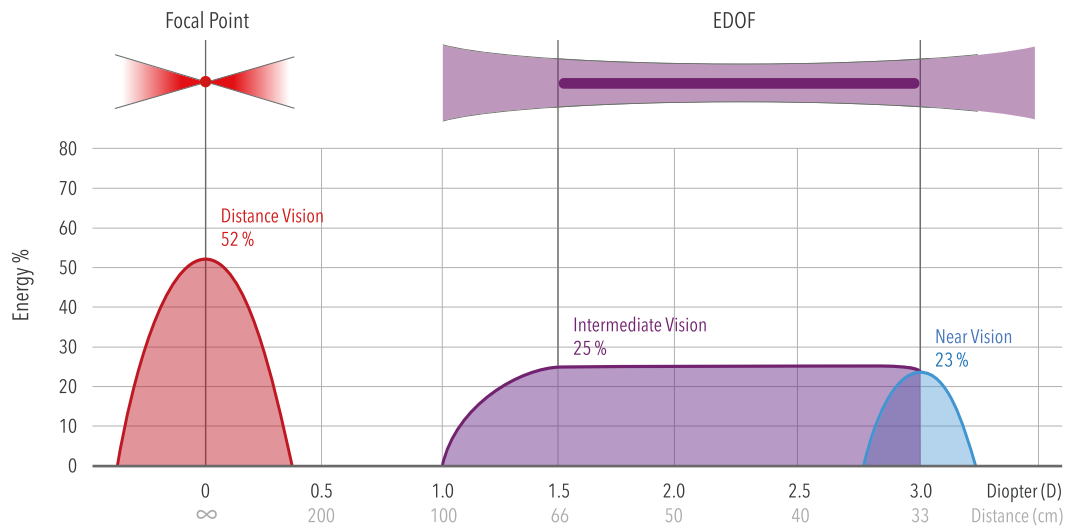
## EDOF CREATED BY PNDB



- » Refractive approach on the asphere
- » Wavefront interferences
- » Constant resolution and light intensity through EDof
- » Continuous near and intermediate vision

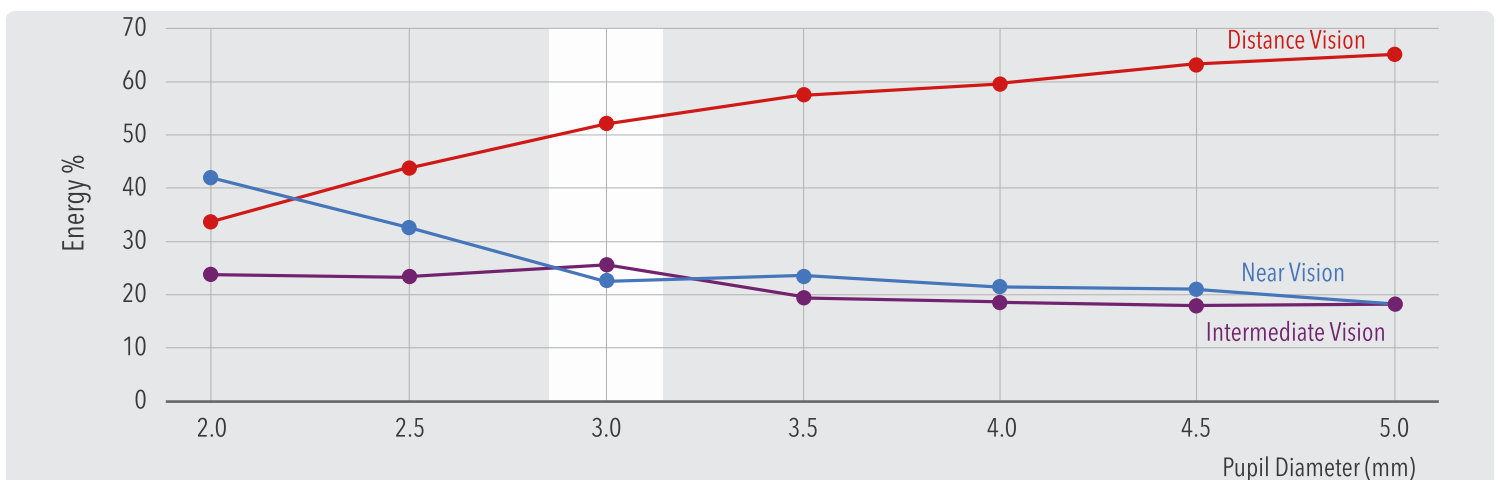
## LIGHT DISTRIBUTION - EDof View

(for a 3 mm pupil aperture)



## LIGHT DISTRIBUTION - Pupil Aperture View

(measured on optical bench)



## PATIENT - RECOMMENDED SELECTION

- » Astigmatism:  $\leq 1.0$  D
- » Avoid micro pupils: Loss of far vision
- » Avoid corneal or retinal disorders
- » Kappa angle and diabetes: See standard multifocal practices