



The first and original patented diffractive trifocal optic

Combination of 2 profiles

The combination of two profiles* offers the patient an intermediate vision without impairing near and distance visual acuities.

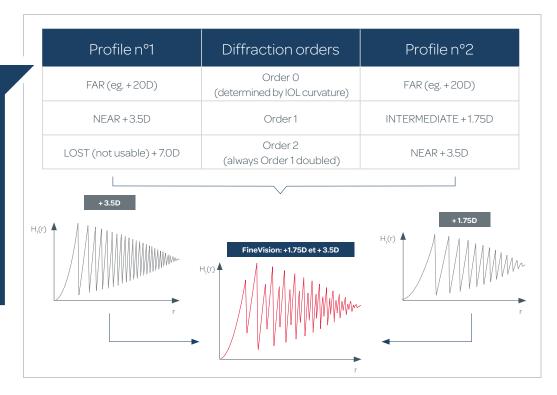
This concept was designed in order to reduce the loss of light energy that any diffractive system causes.

* Patented in Belgium: BE1019161 (A5), Europe: EP2503962 (B1), International: WO2011092169 (A1), United States of America: US 8,636,796 (B2), China: ZL201180002694.7, Japan: 5480980, Australia: 2011209315, Hong-Kong: HK1177133

What do studies say?

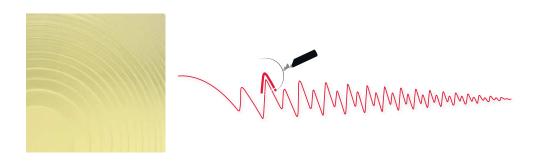
"The second order of profile n° 2 reinforces order 1 of profile n° 1.
This gain of energy provides more than 86% of useful light energy depending on the pupil aperture."

Reference: Data on file with PhysIOL.



Combination of 2 technologies

The Fine technology is the first and only optic that combines both **Convolution** and **Apodization** technologies on the entire optic surface.



Innovative trifocal technology

Convolution and Apodization benefits

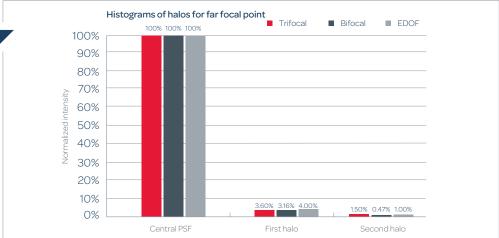
Convolution reduces and limits photopic phenomena.

What do studies say?

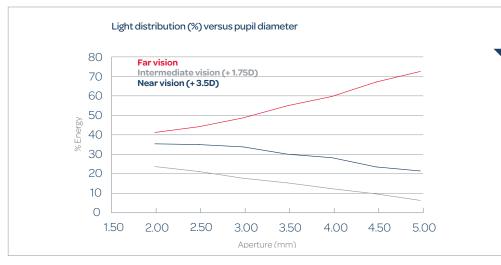
"The PSFs (Point of Spread Function) data show similar halos intensity for Fine technology and EDOF IOL."

Reference:

Data on file with PhysIOL.



Apodization optimizes the percentage of energy for far vision with the opening of the pupil.



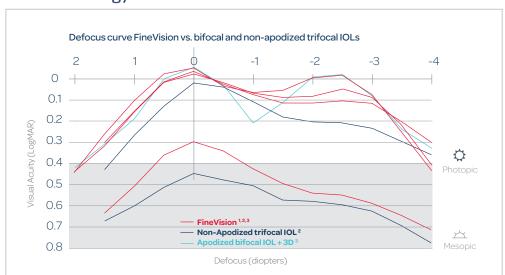
What do studies say?

"To match the eye's natural reflex, the percentage of energy allocated to the far vision increases with the opening of the pupil."

Reference:

D. Gatinel, et al.: Design and qualification of a diffractive trifocal optical profile for intraocular lenses, JCRS 2011; 37: 2060-2067.

FINE technology: best visual acuities at all distances



References:

- 1. Cochener et al.: Clinical outcomes with a trifocal intraocular lens: a multicenter study, JRS 2014; 30 (11): 62-768.
- J. M. Martínez de la Casa, SEO 2014: Análisis de la calidad visual tras implantación de lentes intraoculares difractivas trifocales.
- 3. N. JC Bauer, R. MMA Nuijts, F. van den Biggelaar, A. Vanderhallen, M. Willems, ESCRS 2013: Visual function after bilateral implantation of Finevision vs Restor multifocal IOLs.

PhysIOL Fine solutions







FINEVISION

TRIFOCAL OPTIC

FINEVISIONTORIC

TRIFOCAL OPTIC

Trifocal diffractive optic Non-preloaded injection system Micro F: 10D to 35D power Pod F: 6D to 35D power Additional power: +1.75D for intermediate vision and +3.50D for near vision

Toric trifocal diffractive optic Double C-loop platform Non-preloaded injection system 6D to 35D power Additional power: +1.75D for intermediate vision and +3.50D for near vision 1 to 6D cylinder power (IOL plane)





Other PhysIOL advanced optical solutions













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