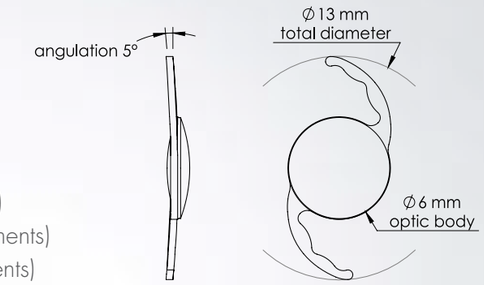
Mini Incision implantation

- Easily and safely injected through an incision as small as 1.8 mm
- Lower surgically induced astigmatism
- Fast recovery after surgery, less inflammation
- Less trauma to the cornea and the eye
- Less endothelial cell loss

Technical Specifications



Overall diameter	13.0 mm
Optic diameter	6.0 mm
Haptic angulation	5°
Optic design	Aspheric
Power range*	- 5.0 to +5.0 (1D increments) +5.5 to +30.0 (0.5 D increments) +31.0 to +40.0 (1D increments)
Material	Hydrophilic Acrylic with UV Blocker and violet light filter
Refractive Index	1.46 (hydrated @ 35°c)
Nd-YAG laser	Compatible
Estimated A constant	SRK/T IOLMASTER biometry: 118.9** SRK/T US biometry: 118.56**
Placement	Capsular Bag

CE Approved

* Additional power range can provided by special order

** It is recommended that surgeons personalize their A-constant based on their surgical techniques and equipment, experience and post-operative results.
For more information please visit Hanita Lenses web site.

Hanita Lenses

Hanita Lenses is a worldwide trusted manufacturer and provider of intraocular lens solutions for cataract surgery.
With more then 30 years of experience in meeting the varied needs of ophthalmic surgeons, the Hanita Lenses name is synonymous with high quality, reliability and service.

VISIBLE PERFECTION

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Hanita Lenses

SeeLens AF

The Aspheric Solution

VISIBLE PERFECTION

SeeLens AF, the Aspheric Intraocular lens from Hanita Lenses, provides the patient with an excellent vision quality at day and night conditions, by using state-of-the-art aberration free aspheric optical design.

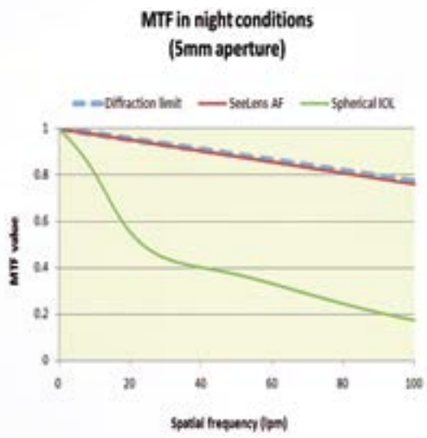
Advanced Optical Design

The aspheric SeeLens AF was designed using the most advanced tools, by a professional R&D team of optical and mechanical engineers. The optical profile of the SeeLens AF was calculated using ZEMAX™ software – a simulating tool for the optical design optimization. Calculations were aimed to minimize all aberrations, including the spherical aberration of the cornea, and to optimize the MTF (Modulated Transfer Function) of the IOL.

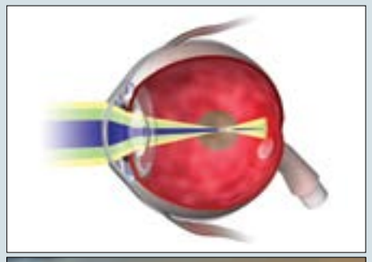
Eye Model

Optical design of the SeeLens AF was performed using the advanced Arizona Eye model [1]. The parameters and dimensions of the eye model are consistent with average human data. The model was designed to match clinical levels of aberrations, both on and off axis. The retina curvature is designed to split the tangential and sagittal foci off-axis.
The result is an accurate simulation of the visual performance of the SeeLens AF in the Post-operative eye.

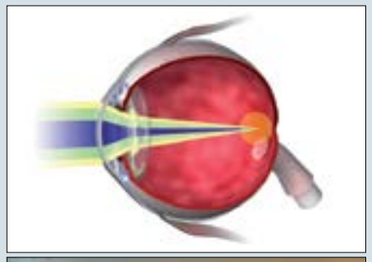
[1] Field Guide to Visual and Ophthalmic Optics; Jim Schwiegerling; Nov. 2004.



The SeeLens AF design provides excellent optical quality at night conditions, near the theoretical limit



Spheric Lens - Spherical aberration

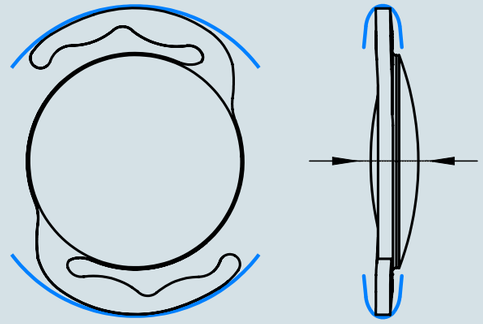


Aspheric - Aberration free

- SeeLens AF reduces spherical aberration to minimum
- SeeLens AF Improves functional vision
- SeeLens AF Improves night vision
- SeeLens AF designed with the most advanced optical tools

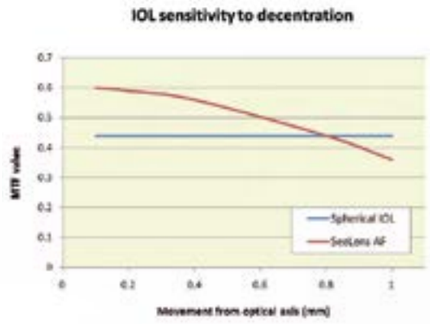
Geometrical Design

1. Excellent stability and centration due to the unique haptic design
2. Fixed position of IOL along the visual axis allowing for highly predictable refractive outcome
3. 360° continuous square edge in order to reduce PCO

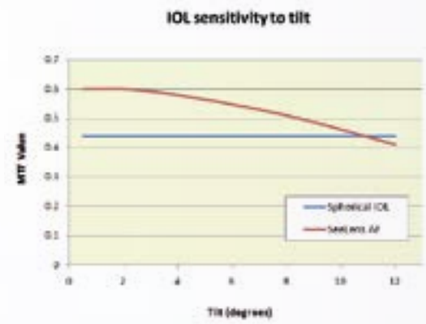


SeeLens AF provides stable position of the optic even in exceptionally small capsules

Stability and Centration



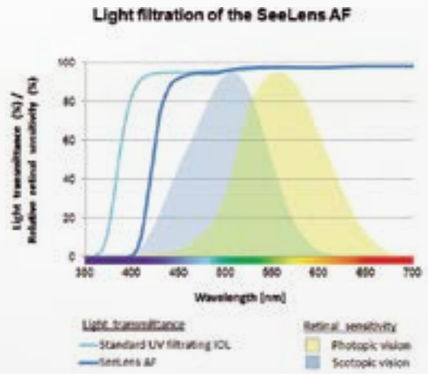
The Seelens AF design provides a visual advantage over spheric lens even if decentered up to 0.8 mm



The Seelens AF design provides a visual advantage over spheric lens even if tilted up to 10.9 degrees

Material

- The SeeLens AF is made of a hydrophilic acrylic material, with proven reputation and many years of clinical experience.
- The SeeLens AF is characterized by excellent biocompatibility and mechanical quality
- The SeeLens AF material incorporates a violet filtering chromophore for better protection of the retina.



The Seelens AF provides protection for the retina, by filtering light of wavelength below 400 nm