Smart Light Transition

One-Piece Foldable Aspheric IOL



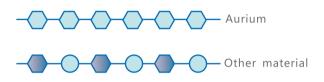


+ Parameter

Material	Homopolymer
Power	0.0D-30.0D
Haptics	L-shape
A-constant	118.4/119.0
OL Diameter	6mm
Overall Diameter	13mm

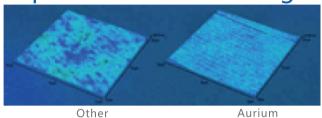
Smart Light Transition		
Clear to yellow	10 seconds	
Yellow to clear	30 seconds	

+ Homopolymer



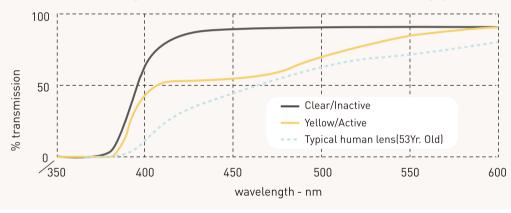
- · No Glistening
- Excellent Homogeneity

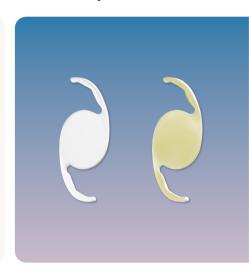
Aspheric Glass Molding

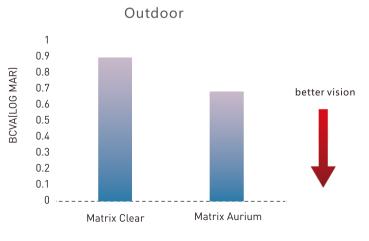


- · Less Surface Roughness
- · Consistent Optical Quality

+ Smart Light Transition Technology









- ·Better outdoor vision
- ·Beneficial to retinal health

Better vision indoor

- 1: Werner L, Mamalis N, Romaniv N, Haymore J, Haugen B, Hunter B, Stevens S. New photochromic foldable intraocular lens: preliminary study of feasibility and biocompatibility. J Cataract Refract Surg. 2006 Jul;32[7]:1214-21.

 2. Mendez D, Avalos G, The first photochromic lens - clinical experience in humans, paper presentation, XXIV Congress of ESCRS, 2006
- 3. Medennium Internal Data





One-Piece Foldable Aspheric IOL

403





One-Piece Foldable Aspheric IOL Model 403



Optic

Full symmetric biconvex aspheric optic designed to:

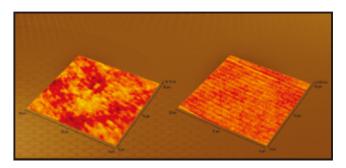
- Minimize cosmetically undesirable external reflection in the pupil
- Minimize internally reflected glare
- Maximize refractive predictability across all diopters

High tensile strength to resist optic damage

Sharp edge design to minimize Posterior Capsular Opacification (PCO)

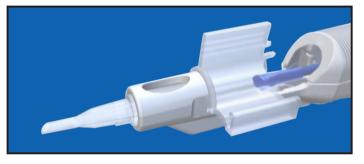
Haptics

Planar Acrylic haptics chosen for their shape recovery and no breakage with injectors Built in frontal angulation for stability



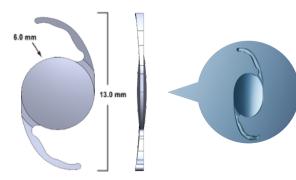
Competitors

Matrix Acrylic lens Molded Surface



Matrix Acrylic lens may be implanted with an injector through a 2.4mm incision

Parameters



Optic: Full symmetric biconvex aspheric

Material: Hydrophobic acrylic

Haptic: Acrylic Modified L

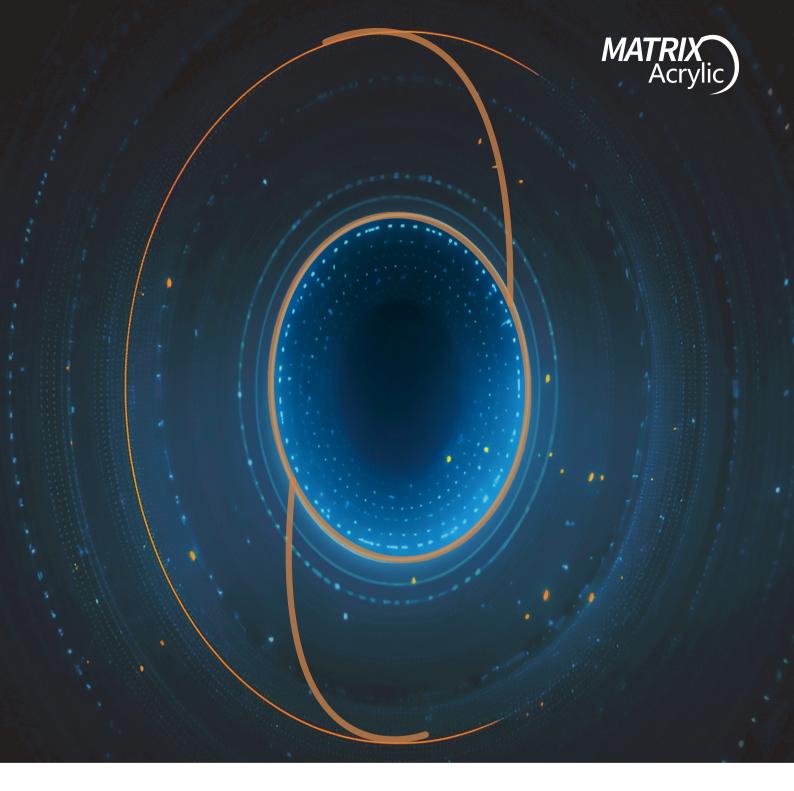
A Constant: 118.3(estimated)

Anterior chamber depth: 5.0mm

Power: 0.0-30.0

IOL master: 119.0(calculated)





Three-Piece Fodable Sepheric IOL

401





Three-Piece Fodable Sepheric IOL Model 401



Optic

Full 6mm symmetric biconvex optic designed to:

- Minimize cosmetically undesirable external reflection in the pupil
- Minimize internally reflected glare
- Maximize refractive predictability across all diopters

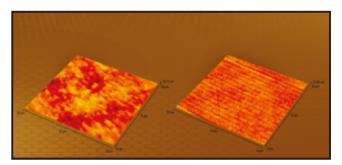
High tensile strength to resist optic damage

Sharp edge design to minimize Posterior Capsular Opacification (PCO)

Haptics

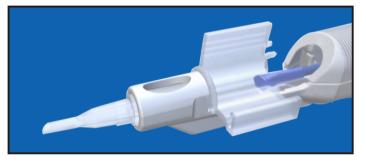
PVDF haptics chosen for their shape recovery and no breakage with injectors

5° angulation designed to provide early and effective optic/capsule contact thereby minimizing migration of lens epithelial cells to the posterior capsule



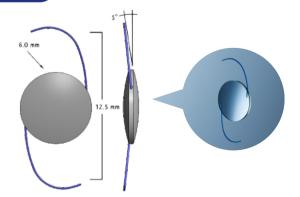
Competitors

Matrix Acrylic Molded Surface



Matrix Acrylic lens may be implanted with an injector through a 2.4mm incision

Parameters



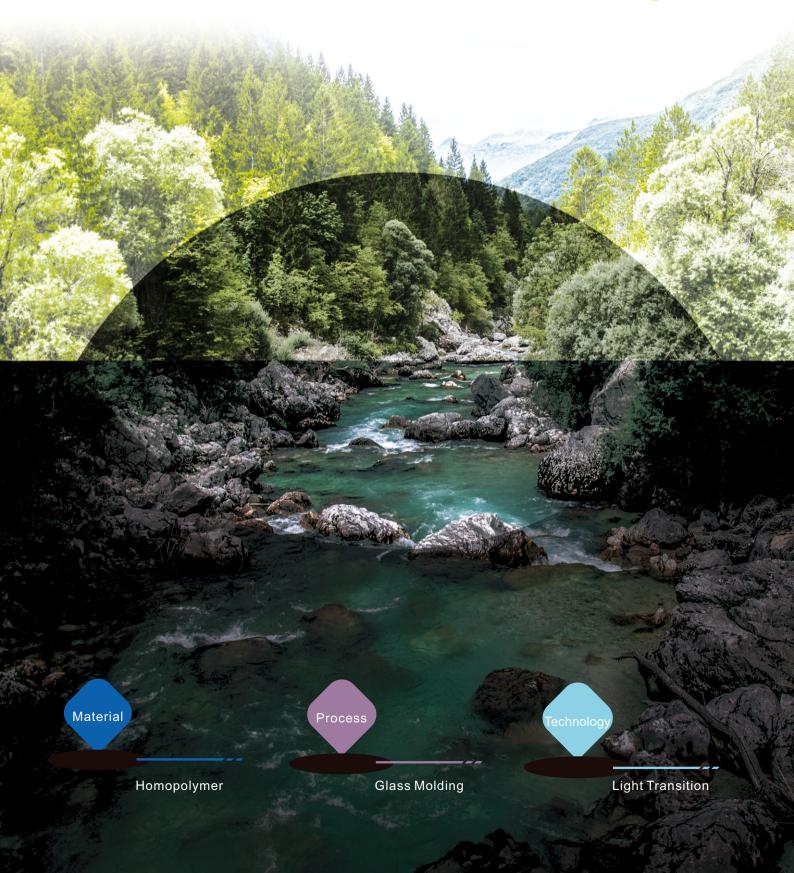
Optic:	Full symmetric biconvex
Material:	Hydrophobic acrylic
Haptic:	PVDF-Modified C
A Constant:	118.5(estimated)
Anterior chamber depth:	5.0mm
Power:	0.0-30.0D
IOL master:	119.2(calculated)



Smart Light Transition

Three-Piece Foldable Spheric IOL



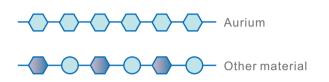


+ Parameter

Material	Homopolymer
Power	0.0-30.0D
Haptic	PVDF-Modified C
A Constant	118.5/119.2
Optical Diameter	6.0mm
Overall Diameter	12.5mm

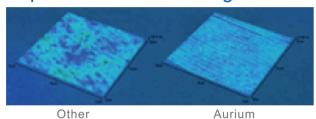
Smart Light Transition	
Clear to yellow	10 seconds
Yellow to clear	30 seconds
Excitation state filter rate	>50% blue light range
Excitation state filter rate	>50% blue light rang

+ Homopolymer



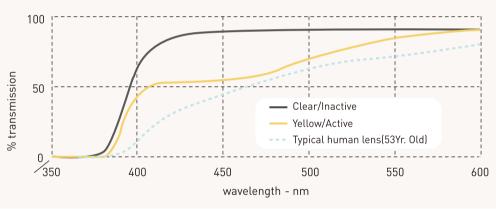
- No Glistening
- Excellent Homogeneity

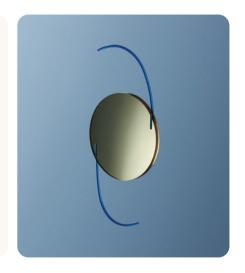
Aspheric Glass Molding

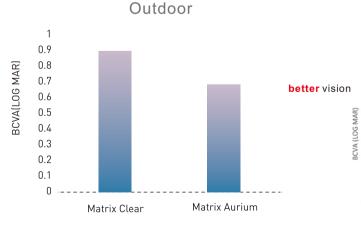


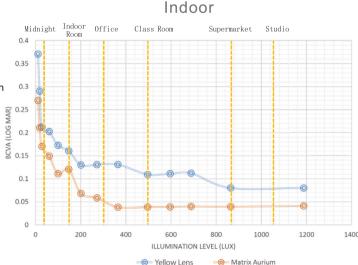
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◆ Smart Light Transition Technology









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