

TECHNICAL SPECIFICATIONS

MODEL: HP760AM

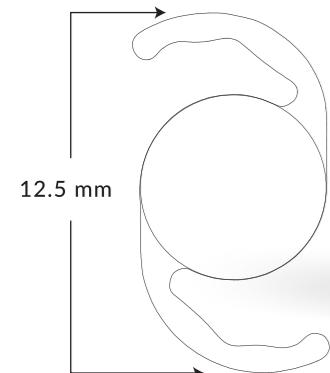
DESIGN CHARACTERISTICS

Optical Diameter	6.0 mm
Overall Diameter	12.5 mm
A Constant	118.4 (Ultrasound) 118.7 (Optical)
Diopter Range	5.0 D to 30.0 D in 0.5 D increment 30.0 D to 35.0 D in 1.0 D increment
Angulation	3° Angulation
Convexity	Biconvex
Square Edge	360° square edge
Optic Design	Anterior Aspheric surface modified posterior surface
ACD Value	5.0 mm
Haptics Design	Force enduring haptics
Delivery System	Disposable Preloaded Cartridge and Injector system upto 2.2 mm incision 5.0 D to 25.0 D 2.8 mm incision - 25.5 D to 30 D 3.2 mm incision - Above 30 D

MATERIAL CHARACTERISTICS

Lens Material	Hydrophobic Acrylic
10% UV cut off	385 nm
Light Transmittance	More than 90%
Clarity of the optic	99%
Haze of the optic	Less than 1.5%
Glass Transition Temperature	8° C
Refractive Index	1.47

Upgrade to Aurolab Essence IOL and transform results and outcomes at your practice.
Get in touch with our experts at Aurolab



For Hydrophobic IOL Loading Technique

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For a demo or more information on how your patients can benefit from Aurolab products,
call at **1800 103 7321** or email us at aurolab@aurolab.com

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Aurolab Essence

See a Comfortable Life

Advanced Monofocal IOL



EXPERIENCE CLEAR, COMFORTABLE VISION STARTING 75 CM

The Aurolab Essence IOL represents the pinnacle of advanced monofocal lens technology, delivering superior clarity from 75 cm onwards.

Designed with precision, ease of use, and patient satisfaction in mind, Essence ensures consistent visual performance.

PRECISION DESIGN FOR ENHANCED VISION



- **Vision from 75 cm onwards.**
- **Anterior Aspheric and Posterior Modified surface in center of 3.2 mm providing good distance and intermediate vision.**
- Aurolab Essence designed to deliver consistent visual clarity across different corneal profiles, ensuring precision and optimal performance.
- Powered by **Truedge Technology** reducing PCO.
- **Glisten-free hydrophobic acrylic** material.
- Precise and safe IOL implantation with **2.2 Preloaded Injector System**.
- **Diopter Range** - 5.0 D to 30.0 D in 0.5 D increment | 30.0 D to 35.0 D in 1.0 D increment

Experience enhanced surgical efficiency with an easy to use preloaded injector system (2.2 mm incision)

SCIENTIFICALLY PROVEN PERFORMANCE

Aurolab essence provides excellent contrast and clarity at 50 lp/mm.
The broader curve at 0.2 logMAR also suggests improved intermediate vision compared to standard monofocals.

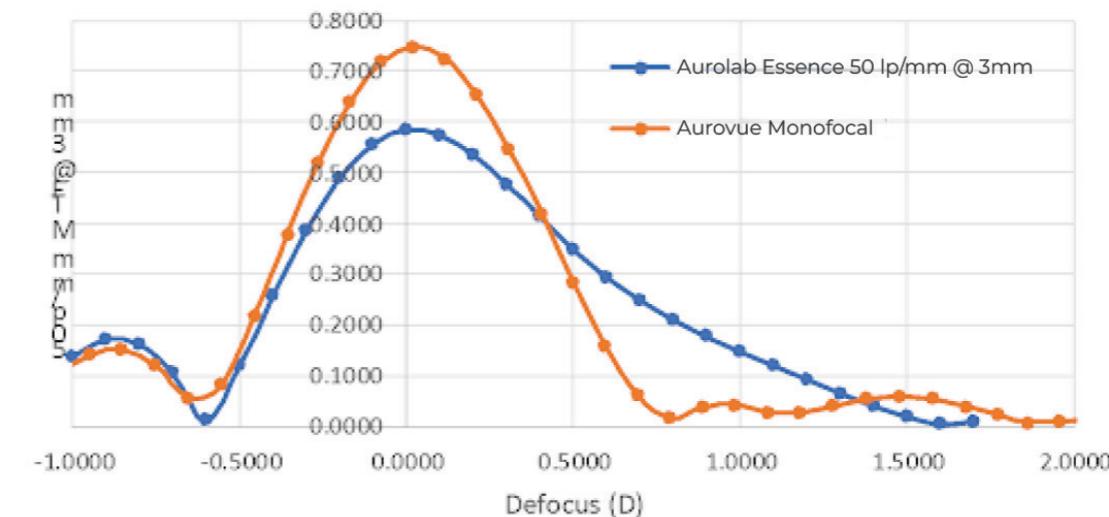


Figure 1 MTF at 50lp/mm measured at 3mm in the presence of ISO aberration-free model cornea

Engineered for optimal performance, Aurolab Essence's defocus curve shows intermediate vision of 6/9 (0.2 logMAR) from 75 cm to distance.

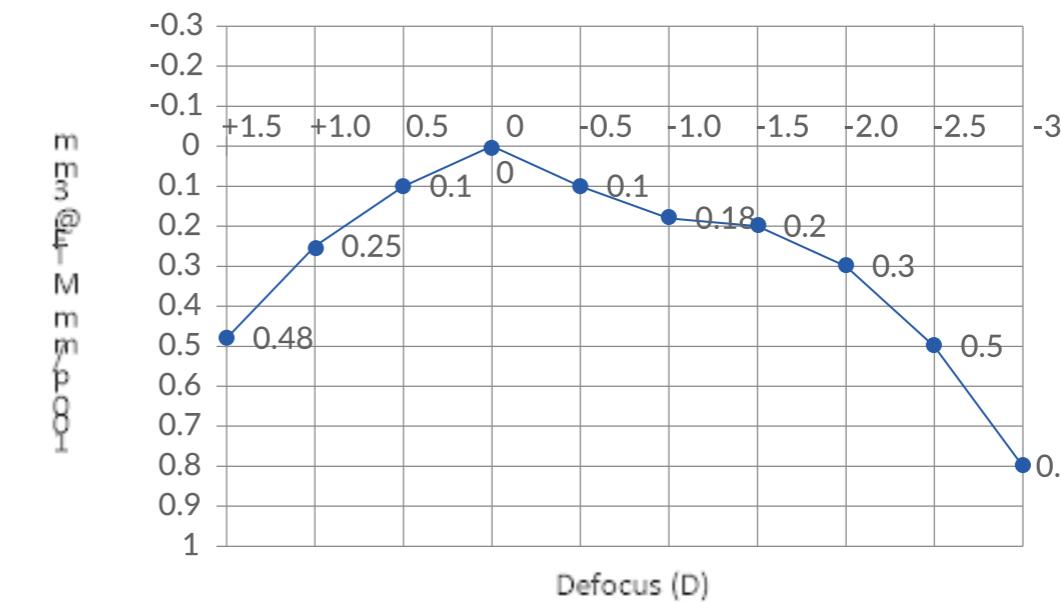


Figure 2 : Aurolab Essence maintains LogMAR value 0.2 of better VA from 75 cms to distance vision.

Defocus In Diopters	+1.5	+1.0	+0.5	0	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0
Log MAR	0.48	0.25	0.1	0	0.1	0.18	0.2	0.3	0.5	0.8

For understanding - Lower the LogMAR value better the visual outcome.