



Designed with precision in sight

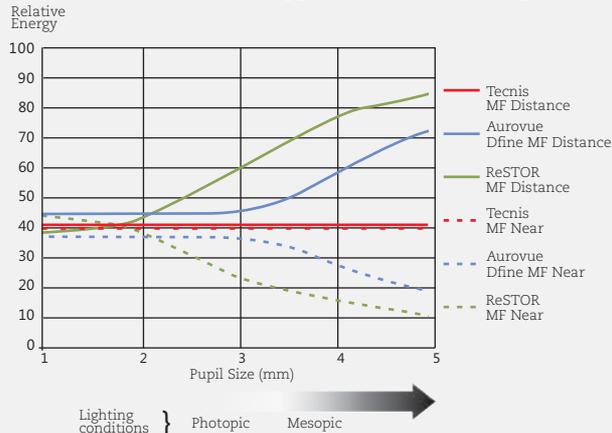


Dfine

# Aurovue Dfine

Suited for cataract patients with presbyopia seeking spectacle-free vision for everyday activities

## Diffraction energy balance diagram



Based on optical design, optical bench measurements and numerical simulations

- Superior image quality at distance vision compared to Tecnis Multifocal
- Superior image quality at near vision compared to ReSTOR Multifocal

## Aurovue Dfine clinical results

Number of patients implanted Dfine MFIOL bilaterally : 160 patients  
 Study period : 2 years (one year completed)  
 Visual acuity : Both eyes (1 year post OP result)

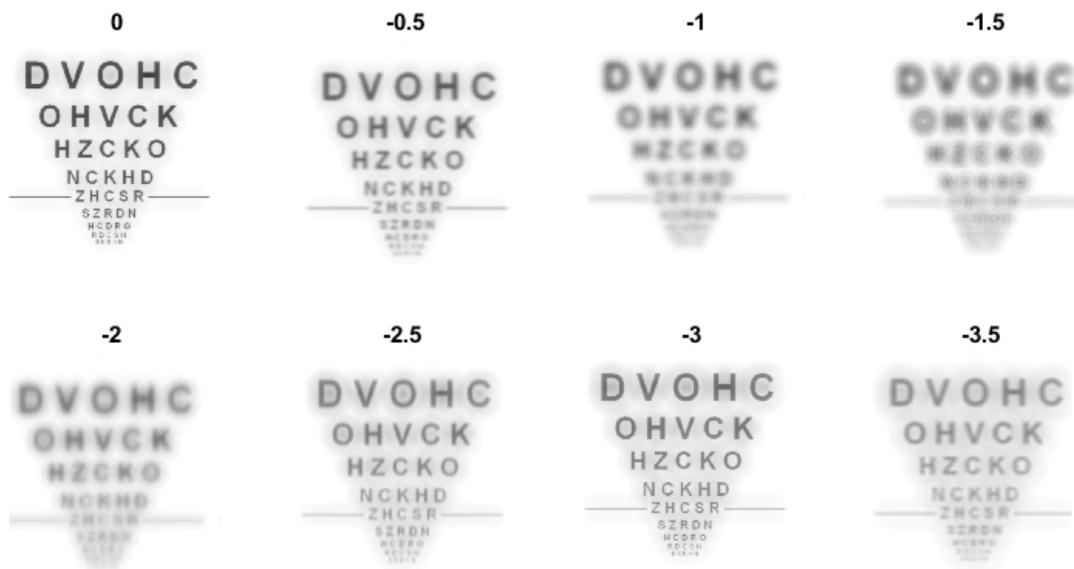
### Visual acuity - Both eyes (1 year Post-op result)

No. of patients - 138			
UCBDVA	%	UCBNVA	%
6/6p or better	92.75	N6	98.55

### Spectacle independence in 93% cases

UCBDVA – Un corrected bilateral distance visual acuity  
 UCBNVA – Un corrected bilateral near visual acuity.

## AUROVUE Dfine - Through numerical simulations



## AUROVUE Dfine - Through focus measurements

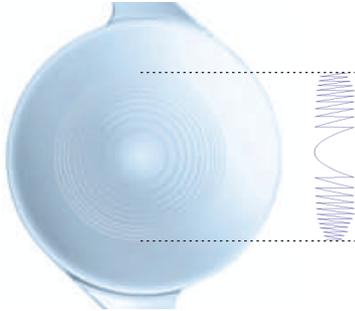


Modeled using ISO aberration-free model eye



## Aurovue Dfine Multifocal IOL

The 11 concentric rings are designed for tropical eyes.



Central diffractive and apodization optimized to work even under low-light conditions

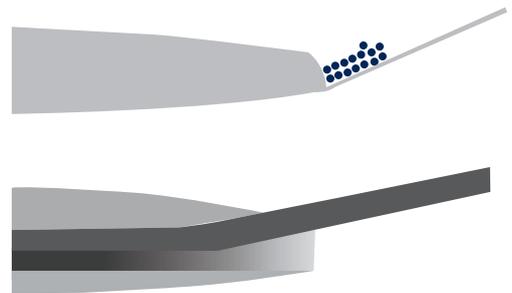


### Designed with precision in sight

- 11 diffractive zones for the best near and distance vision
- Negative aberration optic for better contrast sensitivity
- Force-enduring haptics for greater stability and better centration

### Truedge technology : developed for successful long term outcomes

- 360° square edge on the posterior side exerts more pressure on the posterior capsule compared to rounded edge and creates a capsular bend that prevents cell migration behind the optic.
- Projected posterior edge at the optic-haptic junction and a 3° vault of the haptic ensures 360° capsular contact and prevents epithelial cell migration through the optic haptic junction



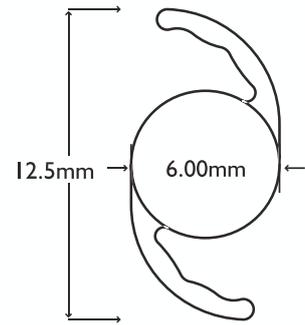
### Aurovue Hydrophobic IOLs

- Glistening-free optic to reduce discomfort to patient
- High Abbe number of 55 with less chromatic aberration
- Optimal refractive index of 1.47 reduces reflection and visual disturbance
- Pre-loaded disposable delivery system
- Adaptability to different capsular bag sizes
- Negative spherical aberration of  $-0.15\mu$

### Design characteristics

Optic diameter	: 6.0mm
Overall length	: 12.50mm
Optic design	: Apodized diffractive Aspheric (Negative aberration)
Haptic design	: Force-enduring haptics
Convexity	: Bi-Convex
Angulation	: 3°
Square edge	: 360° Truedge
A constant	: 118.70
ACD value	: 5.0mm
Diopter range	: 10.0 D to 15.0 D in 1 D increment : 15.0 D to 25.0 D in 0.5 D increment
Delivery system	: Disposable preloaded injector and cartridge with 2.80mm incision

Model No.: HP760AD3



### Material characteristics

Lens material	: Hydrophobic acrylic
10% UV cut-off	: 385 nm
Light transmittance	: More than 90%
Glass transition temperature	: 8°C
Refractive index	: 1.47

For more details please visit :  
[www.aurovuedfine.com](http://www.aurovuedfine.com)



Information published in this catalogue is subject to change without notification



Established in 1992, Aurolab is an integral part of the world-renowned Aravind Eye Care System. Aurolab focuses on transforming outcomes in ophthalmic care through knowledge-driven innovation.  
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