

# innova-ASP

Clear Aspheric Foldable IOL



[www.omnilens.in](http://www.omnilens.in)



Hybrid Acrylic	Hydrophilic & Hydrophobic Material
Aspheric Optic	Aberration Correcting Optics
360° Sq. Edge	Minimize the chance of PCO
Step vault haptic	5 Degree Angulation
MICS - IOL	Can be implanted through less than 2.2mm incision



## ● Enhance Vision through Innova-ASP

OMNI offer aspheric intraocular lenses with negative spherical aberration (-SA) in UVA blockers and violet-blue filter. In general, Intraocular Lenses can be manufactured with negative spherical aberration (-SA) or free of any spherical aberration (SA=0) or positive spherical aberration (+SA). Spherical aberration has an impact on loss of contrast sensitivity and vision acuity.

## ● The standard spherical IOL with SA>0

The IOL has a positive power and a spherical surface and thus has positive SA, which when added to the positive aberrations induced by the cornea leaves the eye with a high amount of positive SA.

## ● Aspheric IOL with SA=0

The IOL leaves the pseudophakic eye with a modest amount of residual positive SA. This has an impact on contrast sensitivity.

## ● Aspheric IOL with SA<0

This kind of IOL's have a negative spherical aberration (-SA) so that it offsets all or part of positive SA of the average cornea.

OMNI manufactures all aspheric IOL with negative spherical aberration (-SA) so that it offsets most of the SA of the cornea to get the best vision acuity and contrast with modest depth of focus.

	Spherical Aberration (SA)	Cornea	Total SA	Image sharpness	Depth of focus
Standard IOL SA>0	+	+	++	Poor	+
Aspheric IOL SA=0	0	+	+	Good	+
Aspheric IOL SA<0	-	+	0	Excellent	0

## ● Technical Specification

<b>Material</b>	Hybrid Acrylic (HEMA/EOEMA)
<b>Model</b>	SQA600 ASP (UV Absorbing material)
<b>Optic Style</b>	BI-convex (Clear Aspheric)
<b>Optic Size</b>	6.00mm
<b>Diametral</b>	13.00mm
<b>Haptic Style</b>	Modified C loop, Step Vault 5 degree Angulations
<b>"A" Constant</b>	118.4
<b>Diopter</b>	+5.0 to +30.00, where +15 to +26 in 0.5 increment
<b>Refractive Index</b>	1.462 Hydrated



\* SA - Spherical Aberration

Rated **NSIC-CRISIL** **SE 1A**

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