

3! | FLEX HL

677AD | 677ADY

Single piece, sterile, foldable acrylic aspheric hydrophilic posterior chamber intraocular lens (IOL) with UV blocker, optionally with blue light filter. The optic is monofocal. The IOL is non-preloaded, which has to be manually loaded into a compatible injector.



 **CLEAR IOL**
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 **YELLOW IOL**
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POWER RANGE		
Standard Powers	0.0 D → +9.0 D (1.0 D steps) +10.0 D → +30.0 D (0.5 D steps)	
Extreme Powers	-10.0 D → -1.0 D (1.0 D steps) +31.0 D → +45.0 D (1.0 D steps)	
MATERIAL		
Copolymer of hydrophobic and hydrophilic monomers with 25% water content, UV blocker and optional blue light filter		
Refractive Index	1.46	
Abbe Number	58	
DESIGN		
Optic Diameter Overall Diameter	6 mm 13 mm	
Optic Design	Aspheric - Aberration Neutral Convex-concave (-10.0 D → -1.0 D) Biconvex (0.0 D → +45.0 D)	
Nominal A-constant	118.9	
Haptic Design	Posterior vaulting fenestrated C-loops with 0° angulation	
PCO Prevention	360° sharp edge	
Shelf Life	5 years after sterilization	
INJECTION		
Estimated Incision Size	1.8 - 2.2 mm	
Recommended Injector	Compatibility chart available: medicontur.com/professionals/compatibility	
CONSTANTS <i>for optical and immersion ultrasound measurements</i>		
SRK/T A-Constant	Haigis	Hoffer Q
A = 118.828* (optimized)	a0 = 0.190* a1 = 0.192* a2 = 0.173*	pACD = 5.431*
Holladay I	Barrett Universal II	Holladay II
SF = 1.682*	LF = 1.79	ACD = 5.45 SF = 1.69

* Optimized constants based on more than 400 patients

The safety and performance of Medicontur IOLs have been tested in clinical investigations and the clinical data demonstrate that these IOLs meet the requirements of the state of the art.

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B! | FLEX HL



MONOFOCAL

MEDICONTUR

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