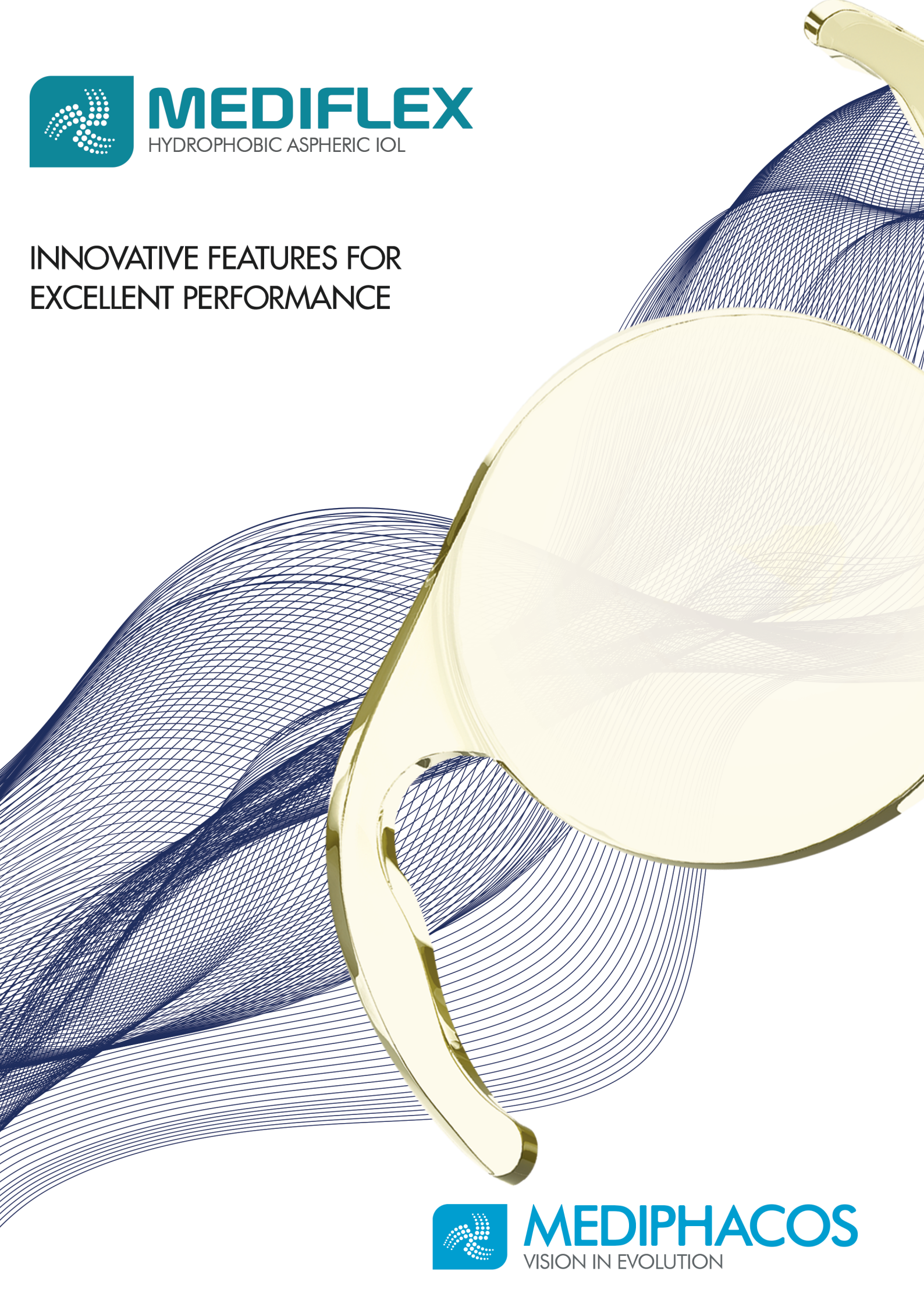




INNOVATIVE FEATURES FOR
EXCELLENT PERFORMANCE





MEDIFLEX® is a foldable intraocular lens made from the latest generation hydrophobic acrylic, with innovative features to guarantee excellent performance and safety.

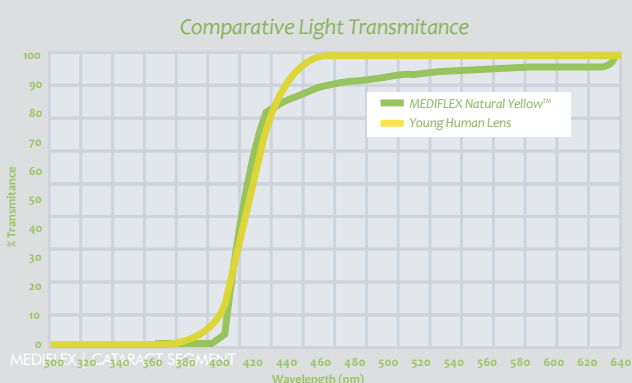
GLISTENING - FREE OPTICS

Due to **MEDIFLEX®** exclusive, more uniform polymerization process, the low hydration volume and polymeric stability at different temperatures, the formation and severity of glistenings (aqueous micro-vacuoles) in the **MEDIFLEX®** IOL material is severely reduced, ensuring crisp optical performance.

UV BLOCKER AND NATURAL YELLOW CHROMOPHORE

The use of blue-blocking chromophores in some IOL materials may lead to undesirable side-effects such as loss of contrast sensitivity and impact the circadian physiology which regulates biorythms. Strong scientific evidence documents that the progressive yellowing of the aging human lens is related to the high incidence of sleep disorders and depression in the elderly.

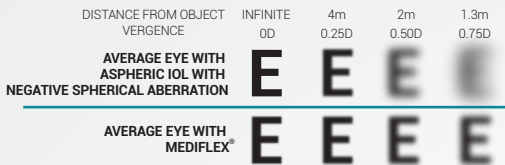
Mediflex's new Natural Yellow® chromophore is a hydroxykynurenine compound, the very same yellow chromophore that occurs naturally in the human lens. Using the same chromophore selected by nature through hundreds of thousands of years of evolution of the human species is the most physiologic solution to filter out potentially harmful wavelengths while still allowing healthy blue spectrum light in, thus protecting the retina, enhancing contrast sensitivity and not interfering with the patient's biologic cycles. (1 - 6)



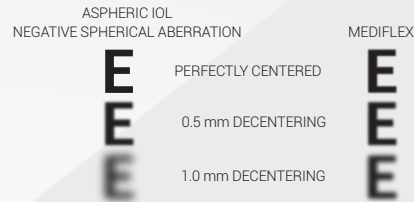
ABERRATION-FREE ASPHERIC OPTICS

MEDIFLEX® features a unique aspheric optic design optimized by state-of-the-art ray tracing software. Unlike other aspheric intraocular lenses in which negative spherical aberration is induced, **MEDIFLEX®** optics is free from spherical aberrations, allowing for greater depth of focus and maintaining both visual acuity and contrast sensitivity intact in case of decentration.

ENHANCED DEPTH OF FOCUS



COMPARISON OF IMAGES ACCORDING TO LENS DECENTRATION



STABLEMAX HAPTICS

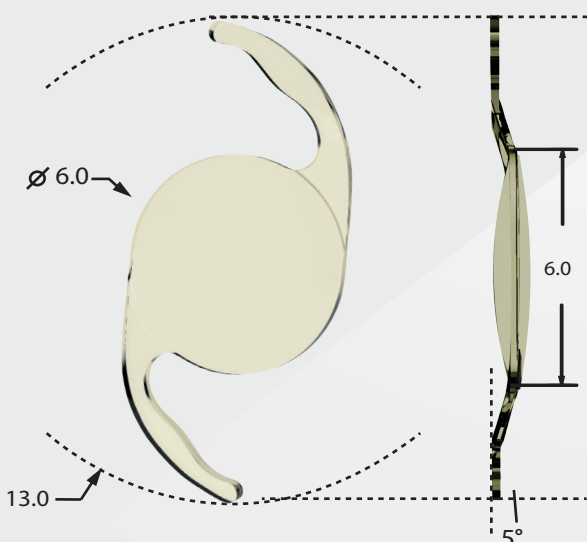
The exclusive **MEDIFLEX®** haptic design was developed using advanced finite element analysis software and extensive mechanical and structural tests, to ensure excellent stability of the implant in capsular bags of all sizes.

The wide angle of contact between the haptics of the **MEDIFLEX®** and the equatorial fornix of the capsular bag favors the lens stability, avoiding decentration, tilt and rotation of the IOL even after capsular contraction. The diameter of 13.0mm of the haptics enables secure fixation of the implant in the capsular bag or in the ciliary sulcus.

360° SQUARE EDGE

MEDIFLEX® has a square edge throughout the posterior side, creating true 360° adherence of the capsular bag to the IOL, preventing cell proliferation, even in areas of haptic junction. Compression of the haptics generates a posterior displacement of the optical portion, providing full contact between the IOL and the posterior capsule, eliminating potential empty spaces and favoring the blocking action of the square edge.

SPECIFICATIONS



Spherical power (regular range)	from +10.0 D to +30.0 D in increments of 0.50D
Spherical power*(special range)	from +6.5 D to +9.5 D in increments of 0.50D
Material	Hydrophobic acrylic
Filters	UV / Natural Yellow
Optic Design	Biconvex/Aspheric
Refraction Index	1.524
Optic Diameter	6.0mm
Total diameter	13.0mm
Spherical Aberration	Neutral
Edge Design	360° posterior square edge
Haptic Design	Stablemax C
Haptic Angulation	5°
Positioning	Capsular Bag
Incision size	≥ 2.6 mm

CONSTANTS

A - Manufacturer	119
A - Optimized suggested	119,3
ACD - Optimized suggested	5,72
SF - Optimized suggested	1,96



MEDIFLEX
HYDROPHOBIC ASPHERIC IOL



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