

DIFFRACTIVA®

PREMIUM IOLS FOR PRESBYOPIA CORRECTION



Leading Technology



Premium Quality



Customized Service



Global Experience

HIGH DEFINITION IMPLANTS

DIFF-aA(Y)¹

THE NEWEST GENERATION OF MULTIFOCAL IOLS

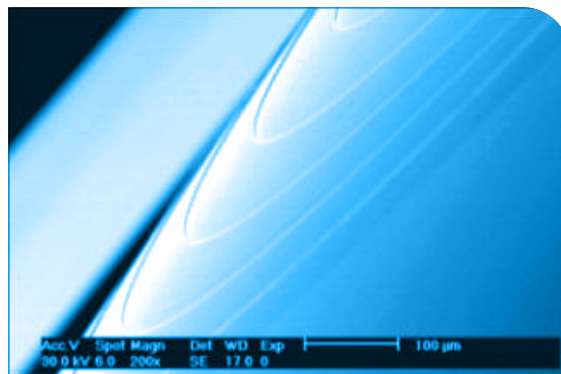
OPEN YOUR EYES TO HIGH DEFINITION

Sub-Nano Resolution Technology

developed and manufactured in Germany.

HD-OPTIC – Polish-free

Premium quality optical surface –
for clearer and sharper images.



SEM-photography of the diffractive surface

IOL FEATURES

PATIENT BENEFITS

MICS

For safer surgery and better predictability
of the refractive results.

Aberration-free optic²

Suitable for all patients regardless of cornea
shape. To preserve depth of field and
to enhance contrast sensitivity.³

Central diffractive zone with gradual
tapering of the diffractive steps.

Photoc phenomena are reduced
to a minimum.

A +3.5 D near addition (at IOL plane)

Ergonomic reading distance combined
with good functional intermediate vision.

Sharp optic edge with 360° LEC barrier.

To prevent PCO.

The Diffractiva®-aA(Y) lenses incorporate the most advanced features
for optimal visual performance.

¹ Also available under the brand name MC 6125 Diff/DAY.

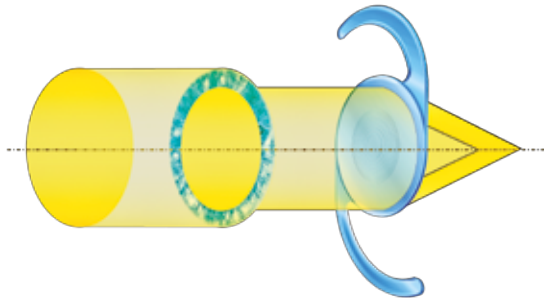
² The word "aberration" as used in this document refers to "spherical aberration".

³ Compared to conventional spherical IOLs.

EFFICIENT CONCEPT OF LIGHT DISTRIBUTION

TO MEET THE INDIVIDUAL NEEDS OF EACH PATIENT IN EVERYDAY LIFE

Under mesopic conditions gradual adjustment of the light distribution with respect to the pupil diameter favors distance vision without compromising near vision.

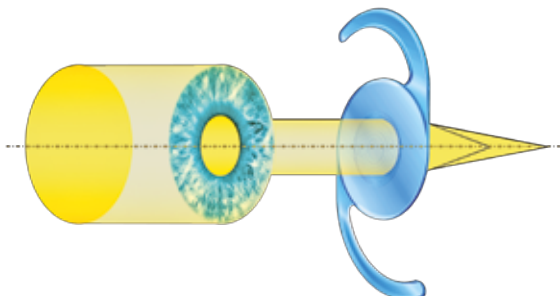


The refractive outer structure of the IOL provides sharp distance vision like a standard monofocal lens.

Patients can trust their vision.

The advanced IOL design provides a full range of vision without compromising contrast sensitivity. Your patient can enjoy life to the full.

Under photopic conditions light is „far-near-balanced“.



A + 3.5 D near addition offers enhanced reading comfort at the distance of approximately 40 cm.

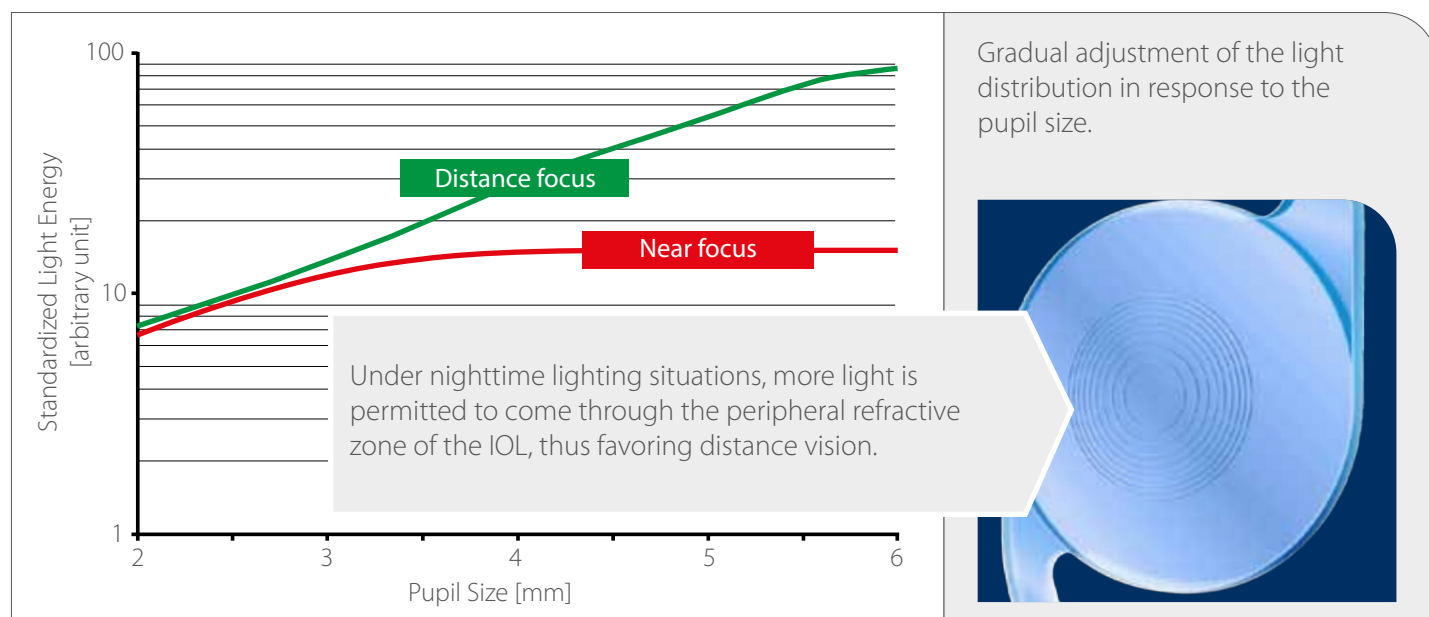


Additionally, a good functional intermediate vision is achieved.

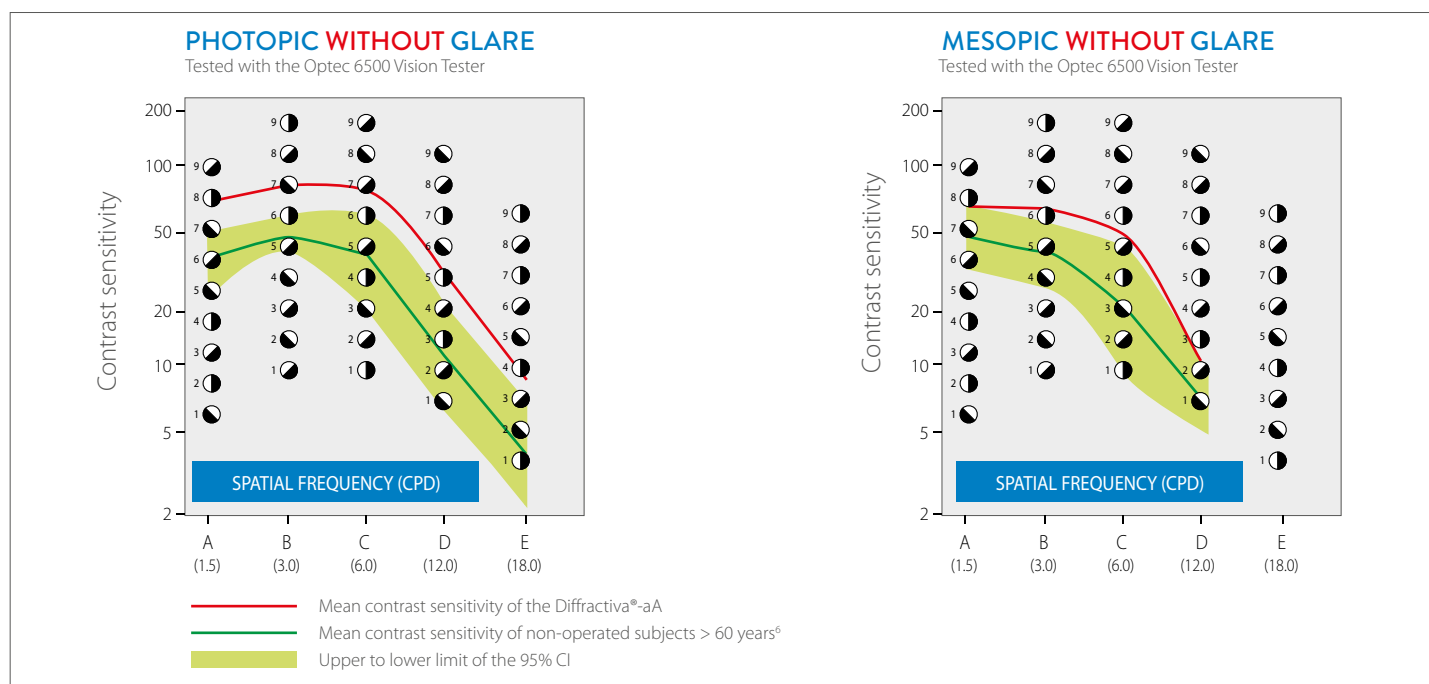
STUDY DATA

PREMIUM MULTIFOCAL IOLS FOR PRESBYOPIA CORRECTION

LIGHT DISTRIBUTION IN RELATION TO PUPIL SIZE MEASURED WITH PHOTOMETER⁴



EXCELLENT CONTRAST SENSITIVITY 6 MONTHS POSTOPERATIVELY⁵



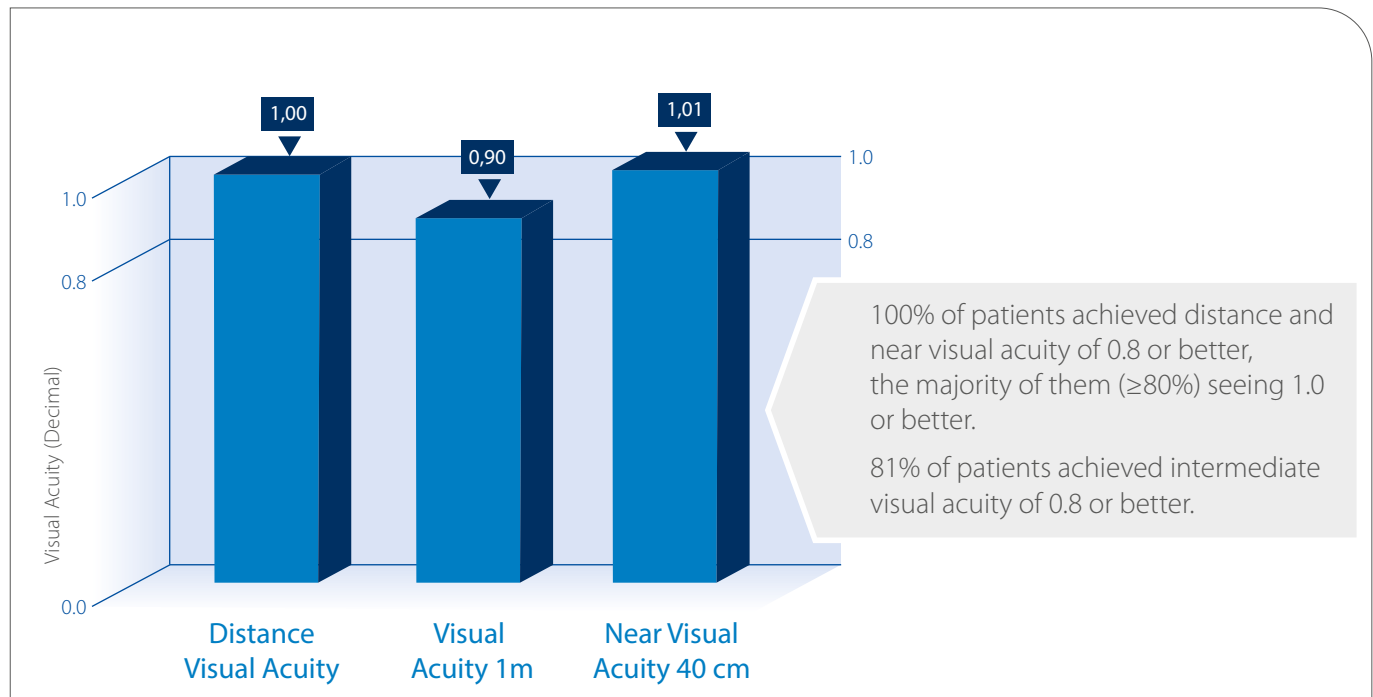
The group of patients bilaterally implanted with the Diffractiva®-aA IOL achieved better contrast sensitivity under photopic and mesopic conditions than the average contrast sensitivity of a group of healthy, non-operated subjects of the same age⁶.

⁴ Data on file, Medizinische Optik am Institut für Medizinische Physik, Friedrich-Alexander Universität Erlangen-Nürnberg.

⁵ Dexl, A. K., Zaluski, S., Rasp, M., Grabner, G. Long-term follow-up of the New Diffractiva®-aA Multifocal Intraocular Lens. Presented at the ESCRS Prague, 2012.

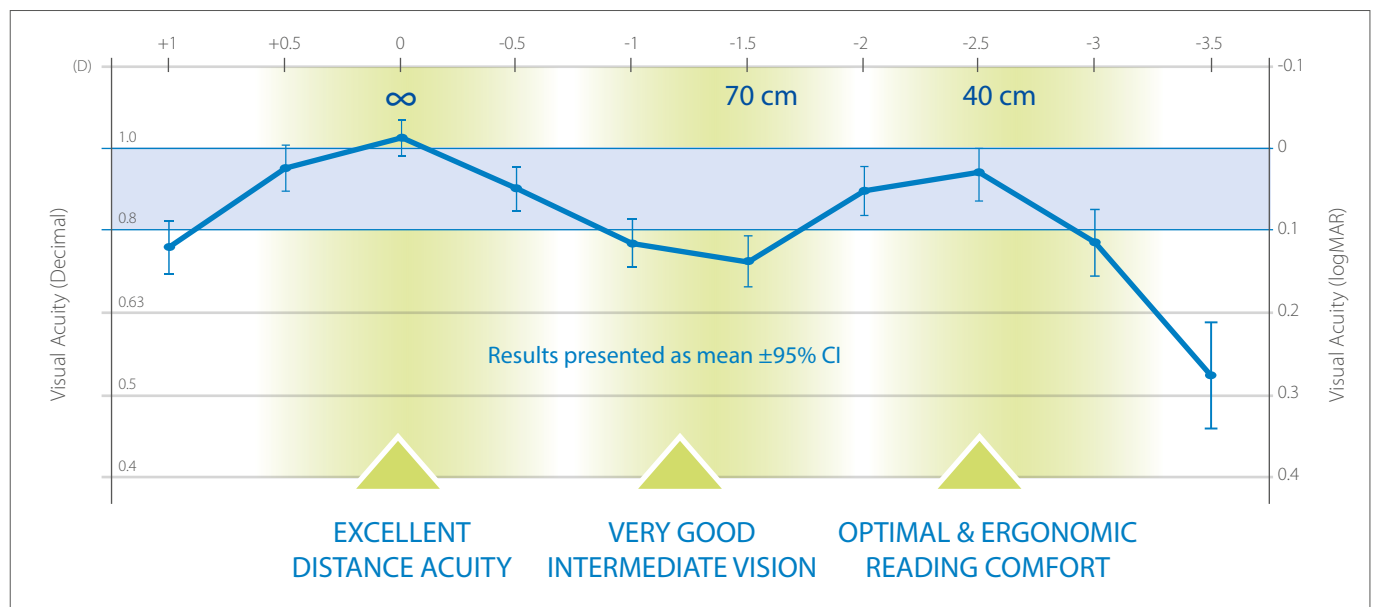
BINOCULAR UNCORRECTED VISUAL ACUITY

MEASURED IN PATIENTS BILATERALLY IMPLANTED WITH THE DIFFRACTIVA®-aA⁵



ACHIEVING COMFORTABLE AND BALANCED VISION AT ALL DISTANCES

BINOCULAR DEFOCUS CURVE⁵



The binocular defocus curve shows an excellent performance of the lens for far and near with only a small drop in visual acuity at intermediate distances. Best near visual acuity is achieved at approximately 40 cm.

PATIENTS AGREE!

PATIENT SATISFACTION⁵

How satisfied are you with your vision?

92%

very satisfied

8%

satisfied

How often do you wear correcting glasses?

91.6%

never

4.1% only for very small prints

4.1% only for watching TV

91.6% of patients were totally free from spectacles!

All patients were „very satisfied“ or „satisfied“ with their vision.

Are you disturbed by glare around lights at night?

95.8%

Do not see any/Not disturbed

4.1%

Moderately

[Patient \(78 years old\)⁵](#)

*„My vision is perfect,
I have regained the sight
of a 30-year old young women.“*

[Patient \(73 years old\)⁵](#)

*„I am so satisfied!
I can insert a hairline into
a needle for sewing at home.“*



WE ARE THE SOLUTION PROVIDER

PREMIUM MULTIFOCAL IOLS FOR PRESBYOPIA CORRECTION



YOUR PATIENT IS UNIQUE – WE HAVE THE SOLUTION!

Patient desires to be free from spectacles.



DIFF-aA / DIFF-aAY

1-p posterior chamber MIOL, hydrophilic acrylic, UV blocking, with the option of blue light protection.

Additional brand names: MicroCryl MC 6125 Diff/DAY

Patient desires to be free from spectacles but the capsular bag is not intact.



DIFF-sS / DIFF-sAY

3-p MIOL for implantation in the sulcus, well-proven 3rd generation silicone, UV blocking, with the option of blue light protection.

Additional brand names: MicroSil MS 614 Diff/DAY

Pseudophakic patient desires to be free from spectacles.

Option of „fine-tuning“ the refractive results.
Reversible procedure.



DIFF-sPB / DIFF-sPBY

3-p multifocal Add-On IOL for sulcus fixation in pseudophakic eyes, well-proven 3rd generation silicone, with the option of blue light protection.

Additional brand names: MicroSil MS 714 PB Diff/-Y

Pseudophakic patient with residual astigmatism who desires to be free from spectacles.



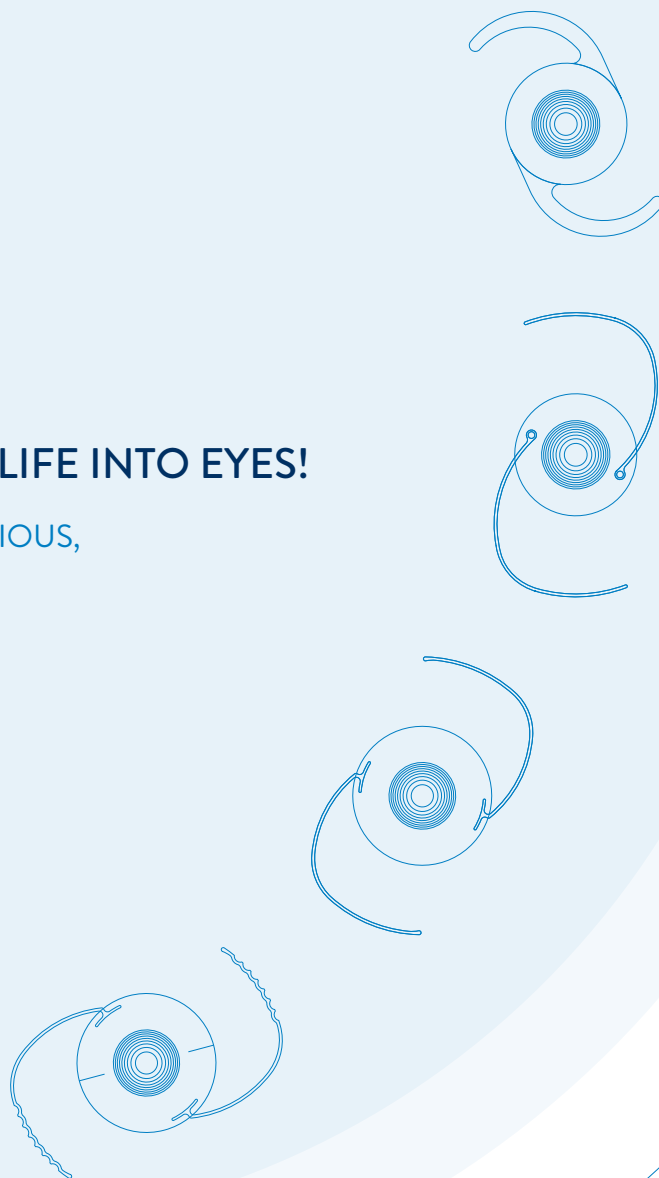
TORICADIFF-sPB / TORICADIFF-sPBY

3-p toric multifocal Add-On IOL for sulcus fixation in pseudophakic eyes, well-proven 3rd generation silicone, with the option of blue light protection.

Additional brand names: MicroSil MS 714 TPB Diff/-Y

WE BREATHE NEW LIFE INTO EYES!

CHOOSE FROM THE VARIOUS,
INDIVIDUAL SOLUTIONS!



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