

 wavelight plus



See the world in a whole new way.

Discover **wavelight plus**, the first available LASIK surgery tailored precisely to your unique eyes.¹⁻⁴ This isn't just about clearer sight; it's a true upgrade to how you see the world.^{5,6*}

* In a real-world private practice setting - 200 patients (400 eyes).

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Go beyond 20/20 vision^{2,5*†‡}

This means more than just achieving clear vision. The **wavelight plus** procedure delivers excellent visual outcomes, with approximately 8 out of 10 patients achieving one line better than 20/20 vision on the visual acuity scale.*

100%
of patients see 20/20
after **wavelight plus**^{5*}

Over
89%
of patients see letters
smaller than 20/20^{5*}

50%
of patients see 20/13
or better^{5*}

Vision Chart

Poor vision

Standard vision

Better-than-standard vision

$\frac{20}{200}$

E

$\frac{20}{100}$

F P

$\frac{20}{70}$

T O Z

$\frac{20}{50}$

L P E D

$\frac{20}{40}$

P E C F D

$\frac{20}{30}$

E D F C Z P

$\frac{20}{25}$

F E L O P Z D

$\frac{20}{20}$

D E F P O T E C

$\frac{20}{16}$

L E F O D P C T

$\frac{20}{13}$

F D P L C T E O

$\frac{20}{10}$

P E Z O L C F T D

* In a real-world private practice setting - 200 patients (400 eyes).

† At 3 months post-op, n=212 eyes.

‡ UDVA equal to or better than CDVA in 84% of patients.

Images are for visual representation only and are not shown to scale.

Every eye is unique. Your surgery should be too.²⁻⁴

Whether you're ready to leave glasses behind or simply want Alcon's most advanced LASIK available, **wavelight plus** is the first vision correction surgery fully personalized to your individual eye shape and visual profile. It's vision correction, tailored just for you.¹⁻⁵

Other Refractive Treatments

(e.g. Lenticular Extraction, Intraocular Collamer Lenses and Basic LASIK)

wavelight plus

3D Ray-tracing Vision Correction[§]

Basic ocular measurements^{1,3}



Personalized to your individual eye¹



Incorporates eye surface irregularities into surgical plan¹⁻³



Creates a virtual 3D model of your eye, a "digital twin"¹⁻³

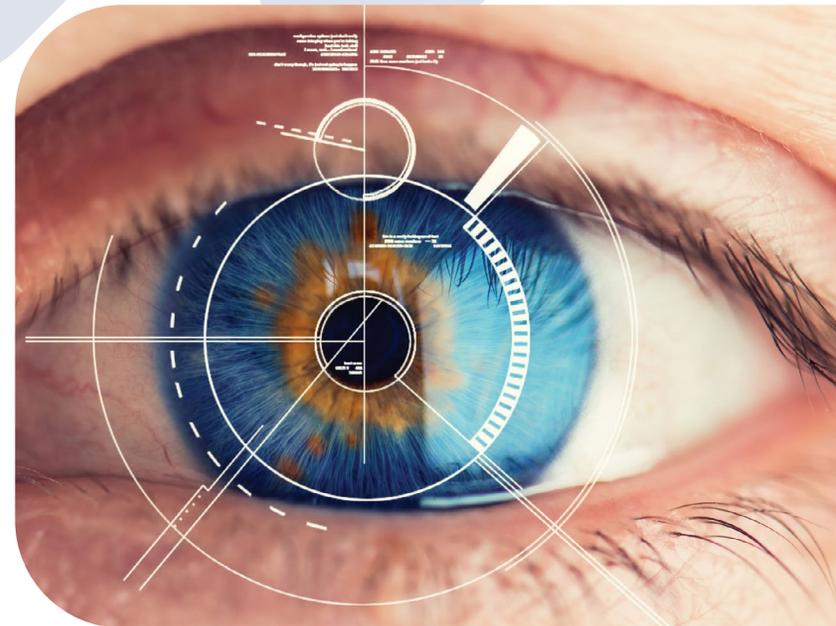


Total personalization, maximizing your quality of vision^{1,4*}



* In a real-world private practice setting – 200 patients (400 eyes).
§ Using Sightmap Technology that measures the biometric data of the eye and creates a personalized LASIK procedure.

Wavelight plus creates a precise 3D model, or "digital twin," of your eye in just seconds.^{1-3,7} It helps your surgeon plan every detail of your laser treatment.¹



Treatment times are approximate. Based on typical treatment parameters for myopia.

A transformational visual experience is waiting just for you.

Now's your chance to join the growing number of patients who say they would choose **wavelight plus** again.^{2¶}

99%

of patients said they would decide to undergo the procedure again^{2¶}

of patients said they would recommend the procedure to a friend or family member^{2#}

LASIK has been performed in more than 40 million procedures worldwide.⁸

"Because of decades of experience and the more than 7,000 clinical research studies, LASIK remains an excellent option for vision correction for those who are good candidates."⁸

— Refractive Surgery Council, 2025

¶ In a clinical study; based on responses to the question "If you could do it all over again, would you decide to have LASIK performed?" On the prwl questionnaire at 3 months post-op; n=106.
In a clinical study; based on responses to the question "Would you recommend LASIK surgery to a friend or family member?" On the prwl questionnaire at 3 months post-op; n=106.

Is wavelight plus right for you?

Of course, your doctor will determine if you are a good candidate for LASIK and **wavelight plus**.

Wavelight plus may be ideal if you:

- ✓ Experience glare/halos at night^{6,9}
- ✓ Want personalized vision correction¹
- ✓ Want better than 20/20 vision⁵

Please refer to relevant product directions for use for complete list of indications, contraindications and warnings.

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IMPORTANT PRODUCT INFORMATION – WAVELIGHT PLUS LASER SYSTEMS

CAUTION:

Federal law restricts this device to sale by or on the order of a physician.

DESCRIPTION AND CHARACTERISTICS:

The wavelight plus laser systems is a non-contact ophthalmic diagnostic device designed to capture Scheimpflug images of the anterior segment of the eye, which includes the cornea, pupil, anterior chamber, and lens of the eye. Furthermore, it provides the axial dimensions of the eye using the technology of coherence interferometry. It can also measure the optical aberrations of the eye by applying Hartman-Shack wavefront technology.

INDICATION:

The wavelight plus laser systems are indicated for screening and diagnosis of adult patients who may undergo a customized photorefractive treatment with the wavelight plus laser systems.

The wavelight EX500 Laser system in conjunction with wavelight plus Sightmap is indicated for use in INNOVEYES Laser Assisted In-Situ Keratomileusis ("wavelight plus" LASIK) treatments:

- for the reduction or elimination of myopia or myopia with astigmatism, in eyes with spherical equivalent (SE) more than -1.00 D and up to -9.00 diopters (D), with up to -8.00 D of spherical component (in minus cylinder format) and up to -3.00 D of astigmatic component at the spectacle plane, based on the INNOVEYES Sightmap Measured Refraction;
- in patients with magnitude of the spherical equivalent (SE) difference between the Manifest Refraction (MRSE) and the Sightmap measured refraction SE being less than 0.75 D;
- in patients who are 18 years of age or older; and
- for patients with documentation of a stable manifest refraction defined as ± 0.5 D preoperative spherical equivalent shift over one year prior to surgery

CONTRAINDICATIONS:

If you have any of the following situations or conditions, it is not recommended to have an examination with the wavelight plus laser systems.

- Patients with open wounds and sores getting in contact with the head rest must not be examined

There are no other known contraindications to the use of the wavelight plus laser systems when used according to its approved indications.

REFERENCES:

1. Mrochen M, Bueeler M, Donitzky C, Seiler T. Optical ray tracing for the calculation of optimized corneal ablation profiles in refractive treatment planning. *Journal of Refract Surgery*. 2008;24(4):S446-S451. doi:10.3928/1081597X-20080401-23. **2.** Kanellopoulos AJ, Maus M, Bala C, et al. International Multicenter, Myopic and Myopic Astigmatism Femto LASIK Customized by Automated Ray-Tracing Ablation Profile Calculation: A Post market Study. *Clinical Ophthalmology*. 2024;18:525-536. **3.** InnovEyes™ Sightmap Diagnostic Device User Manual 1089. **4.** Schumacher S, Seiler T, Cummings A, Maus M, Mrochen M. Optical ray tracing-guided laser in situ keratomileusis for moderate to high myopic astigmatism. *Journal of Cataract Refract Surgery*. 2012;38(1):28-34. **5.** He C, Bala C. Ray-tracing guided myopic laser in situ keratomileusis – real world clinical outcomes. *Journal of Cataract Refract Surgery*. 2023;49(10):1087. **6.** Stulting R, Font E. Results of topography guided laser in situ keratomileusis custom ablation treatment with a refractive excimer laser. *Journal of Cataract Refract Surgery*. 2016;42(1):11-18. **7.** Kanellopoulos AJ. Initial Outcomes with Customized Myopic LASIK, Guided by Automated Ray Tracing Optimization: A Novel Technique. *Clinical Ophthalmology*. 2020;4:3955-3963. **8.** LASIK. *Refractive Surgery Council*. 2025. Accessed April 2, 2025. <https://americanrefrativesurgery.org/lasik>. **9.** Kharamnia R, Naujokaitis T, Block L, et al. Prospective intraindividual comparison of automated customized ray-tracing-guided vs. wavefront-optimized laser in situ keratomileusis. *Ophthalmology*. Published online June 5, 2025.

TARGET PATIENT POPULATION:

The targeted patient population are patients which are selected for ophthalmic diagnosis consistent with the indications for use of the wavelight plus laser systems.

INTENDED USERS:

The wavelight plus laser systems may only be used by specially trained physicians, medical staff and optometrists who are well versed in its diagnostic abilities and possible dangers.

WARNINGS / PRECAUTIONS:

- Contact lens wearers must discontinue wearing hard or gas permeable lenses for at least 3 weeks and soft lenses for at least 1 week prior to examination
- The examination takes place in a darkened room or with the help of a dark cloth covering the wavelight plus laser systems and the patient's head
- The patient must be able to sit in an upright and comfortable position
- The patient must be able to fixate steadily
- Patients should not wear makeup at the day of examination
- Avoid using eye-drops before examination. It may impact the diagnostic results and should be reported to the surgeon
- Taking medication with influence on the hormonal balance can affect the consistency of the cornea
- Results may be influenced by pregnancy and nursing. Hormonal changes can affect the consistency of the cornea
- This device can cause flammable materials to ignite or explode
- Use of the controls or adjustments or performance procedures other than those specified in the user manual may result in hazardous radiation exposure

MODE OF ACTION:

The mode of action of the wavelight plus laser systems is through the screening and diagnosis of anterior segment of the eye for planning custom refractive surgery treatments with the intent of improving vision.

STORAGE CONDITIONS:

Store at -10-55°C (-14-131°F).

ATTENTION:

Refer to the Directions for Use labeling for a complete list of warnings, precautions, and adverse reactions.