wavelight **plus**

Glasses off.
Life on.[1,2]

Get to know **wavelight plus**, the first fully personalized vision correction surgery of its kind.[1]

WAVELIGHT **PRECISION** LASIK

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Go beyond 20/20 vision with Wavelight plus

The **wavelight plus** procedure delivers excellent visual outcomes:

100%

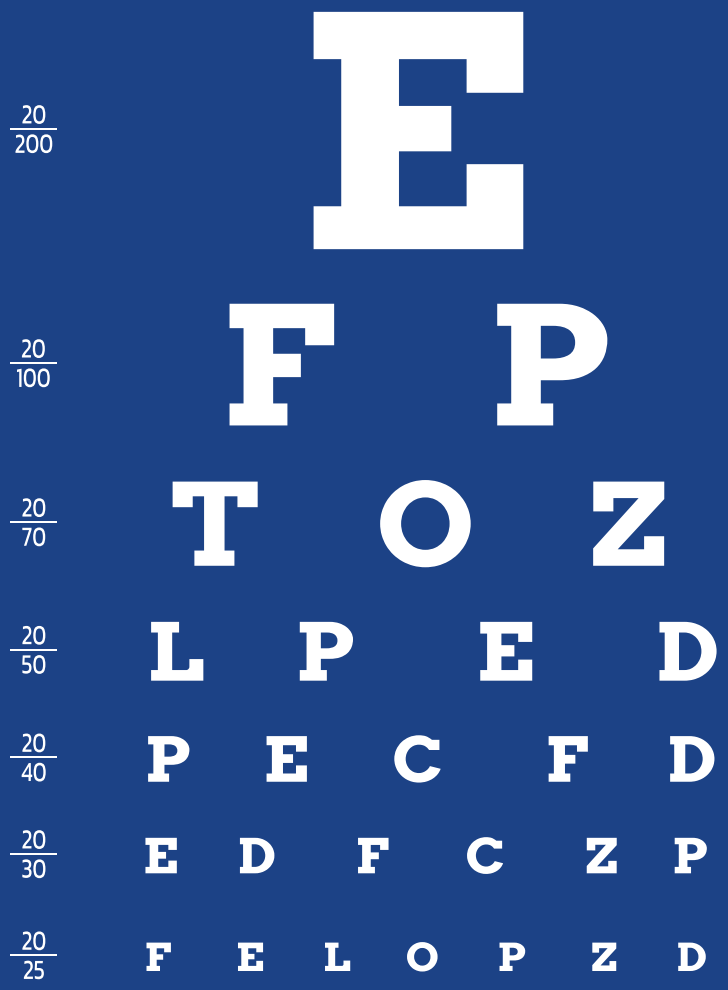
of patients see 20/20 after wavelight **plus**[7†]

Over

89%

patients see letters smaller than 20/20![7†]

Vision Chart



WAVELIGHT **PRECISION** LASIK

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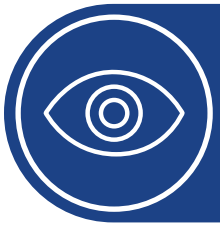
Wavelight plus uses ray-tracing technology to create a 3D model, essentially a digital twin of your eye to develop the most personalized treatment available.[1,8]

	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 eye[1]		✓
Incorporates eye surface irregularities into surgical plan[1-3]		✓
Creates a virtual 3D model of your eye, a digital twin[4]		✓
Total personalization maximizing your quality of vision[2]		✓

How is wavelight plus different than other refractive treatments?

The **wavelight plus** procedure is a fully personalized LASIK surgery that uses ray-tracing technology to create your individualized vision.[1,8]

First, three types of detailed measurements are taken all on one device.[1,9]



Then, a digital twin eye model is created and tested until the optimal treatment for your best vision is determined.

Finally, a fully personalized treatment is applied for the unique needs of your eye, delivering excellent outcomes.[1,2]

Maximized Outcomes

LASIK technology that delivers personalized vision beyond what you've thought possible. Not just 20/20—but even better.[1,5,8] That's **wavelight plus**.[1,2,5]

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*]

Glasses off. Life on.[1,2]

LASIK has been performed in more than 40 million procedures worldwide.[6]

"There is tremendous amount of data supporting the safety and effectiveness of laser vision correction. More than 7,000 clinical studies have been conducted and published about LASIK." [6]

Refractive Surgery Council, 2025

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

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

wavelight **plus**

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 is 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"[1] LASIK) treatments:

- for the reduction or elimination of myopia or myopia with astigmatism, in eyes with spherical equivalent (SE) more than -1.00 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.

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.

*MEASURED AT 3 MONTHS POST-OP; N=212 EYES

†IN A REAL-WORLD PRIVATE PRACTICE SETTING–200 PATIENTS (400 EYES).

REFERENCES:

1. Mrochen M, Bueeler M, Donitzky C, Seiler T. Optical ray tracing for the calculation of optimized corneal ablation profi les in refractive treatment planning. *J Refract Surg.* 2008;24(4):S446-S451. doi:10.3928/1081597X-20080401-23 **2.** Alcon data on file, 2021. **3.** Alcon data on file, 2018. **4.** Solomon KD, Fernández de Castro LE, Sandoval HP, et al. LASIK world literature review: quality of life and patient satisfaction. *Ophthalmology.* 2009;116(4):691-701. doi:10.1016/j.ophtha.2008.12.037 **5.** Schumacher S, Seiler T, Cummings A, Maus M, Mrochen M. Optical ray tracing-guided laser in situ keratomileusis for moderate to high myopic astigmatism. *J Cataract Refract Surg.* 2012;38(1):28-34. doi:10.1016/j.jcrs.2011.06.032 **6.** RSC https://americanrefractivesurgerycouncil.org/lasik/#how-effective-is-it **7.** He C, Bala C. Ray tracing guided myopic laser in situ keratomileusis - real world clinical outcomes. *J Cataract Refract Surg.* 2023;10-1097 **8.** 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. *Clin Ophthalmoly* 2024;18:525-536 **9.** InnovEyes™ Sightmap Diagnostic Device User Manual 1089

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