

Ordering Varilux® Shift™ lenses

1. Prescription

Varilux® Shift™ lenses are designed using both distance prescription and ADD power. As with any Varilux® progressive lens, both the distance prescription and the ADD power are required to order *Varilux Shift*.

2. Pupillary Distances (PD) and Fitting Heights (FH)

Both monocular PD and monocular FH are compulsory to order Varilux® Shift™ lenses and will be taken into account to calculate the lens design. To take precise and personalized measurements, it is recommended to use digital fitting devices, including eye-ruler™ 2.



1. Right PD 2. Left PD
3. Right FH 4. Left FH

3. Optional measurements for advanced personalization



FIT Option (with Position of Wear measurements)

The 3D position of the lens is based on three parameters: back vertex distance, pantoscopic tilt and wrap angle.

No additional parameters, like forced progression or inset, will be activated with FIT Option.

4. Fitting and Mounting

- Minimum fitting height - 14 mm
Frames with higher fitting heights will allow for a larger near vision zone.
- Upper boundary - 10 mm
From the fitting point to the top edge of the lens shape for the optimal intermediate vision.

Manufacturing ranges:

Material	Clear & Blue	Transitions®	Polarized	Power Range	Add Power
1.50	Yes	GEN S™, XTRActive®, XTRActive Polarized™	Yes	-10.00 to +6.00	+0.75 to +4.00
1.53	Yes	GEN S™, XTRActive®	No	-10.00 to +7.50	+0.75 to +4.00
1.59	Yes	GEN S™, XTRActive®, XTRActive Polarized™	Yes	-10.00 to +8.00	+0.75 to +4.00
1.60	Yes	GEN S™, XTRActive®, XTRActive Polarized™	No	-12.00 to +8.00	+0.75 to +4.00
1.67	Yes	GEN S™, XTRActive®, XTRActive Polarized™	Yes	-14.00 to +9.00	+0.75 to +4.00
1.74	Yes	GEN S™	No	-20.00 to +13.00	+0.75 to +4.00

More detailed availability can be found in the *Varilux* lenses availability for Eyecare Professionals.

Recommended technologies and coating combinations:



Crizal® coating protects Varilux lenses from reflections, scratches, smudges, dust and water, and the eyes from UV rays.*

Essential Blue Series®

Everyday UV protection and filtering blue-violet in an optimal clear lens.*



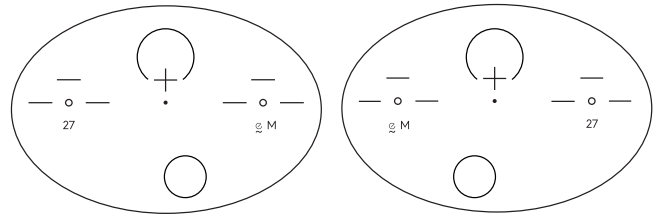
Seamlessly adapt to changing light situations both indoors and outdoors.

Checking Varilux® Shift™ lenses: Engraving Marking

Varilux®
Shift™



Engraving Position



The Varilux® Shift™ engraving is located above the reading zone on the nasal (inner) side of each lens.

How to check Varilux® Shift™ lenses power

As premium lenses, Varilux® Shift™ lenses are calculated in wearer power for far and near vision. It ensures the best performance for the wearer, but the lensometer measurement will differ from the prescribed power. For checking purposes, refer to the second line of the lens sticker.

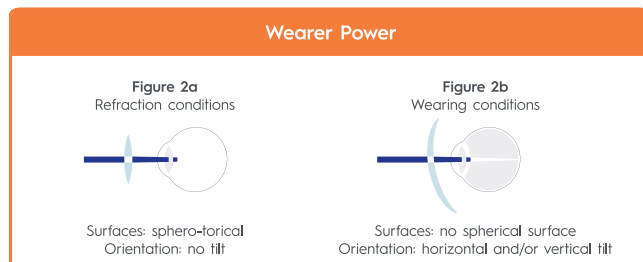
EXAMPLE		FAR VISION			ADDITION
G/L	DD	Sph	Cyl	Axis	Add
	70/75	+3.25	+0.75	030°	+1.25
		+3.12	+0.62	025°	+1.21

Ordered power

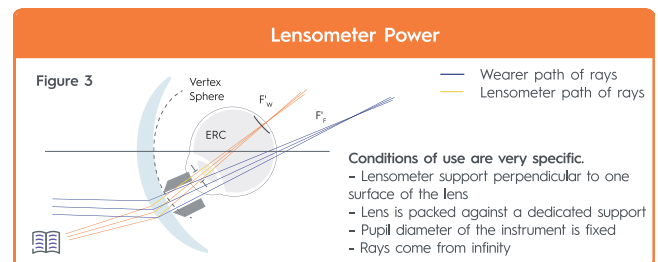
Verification power to be measured with lensometer

The gap can be higher than 0.25D.

Why are these two values different?



During **refraction**, figure 2a, the patient testing is done with trial lenses which are spherical and/or torical, on axis and with 0° tilt; whereas the final lens delivered to the patient has a different curve and is impacted by the conditions of wear (tilt, wrap, vertex distance) as in figure 2b. It is important to take such specific changes into account during the design calculation of the lens, so that the power perceived by the patient (wearer power), in the as-worn conditions, matches the prescription.



Lensometer measurements help check the lens but do not have physiological relevance. As the lensometer has to be perpendicular to the surface, it cannot measure the power as seen by the wearer (see Figure 3).

How to check if the order is correct with these two values

1. Verify that the wearer power matches what you have ordered: the first line of the label should match the far vision prescription and addition of the patient.
2. Measure the near vision power of the lens with the lensometer.
3. Verify that the lensometer reading matches the lensometer power indicated on the lens envelope, while applying standard ANSI tolerances.

The steps above ensure that the wearer will receive the power you originally ordered when the lenses are in their 'as-worn' position.

*Crizal® treated lenses filter UV, except on 1.50.

**Essential Blue Series™ lenses filter at least 20% blue-violet light. For Polycarbonate concave lenses, the blue-violet light filtering percentage might be slightly lower. Regular prescription lenses = 1.50 index or 1.59 polycarbonate material (without blue-violet light filter) with Crizal® coating at equal center thickness. Blue-violet light is between 400 and 455nm as stated by ISO TR 20772-2018.

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