

Special Requirements

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- Precal thinning for plus lenses.
- Special edge thickness for Supras, Knife-edge Uncut, Special Centre Thickness.
- Flatter/steeper bases.
- Non-standard bifocal inset.
- Powers and diameters outside quoted range.
- Frosted lenses.
- Removal of Reflection coating.

Special Rx Check manufacturers catalogue for special Rx powers available on many lens products.

Essilor provide a comprehensive range of both single vision and progressive lenses in both very high plus and minus prescriptions. Details of these lenses can be found in the Single Vision Lenticular, Bifocal Lenticular, Progressive Lenticular and Special Lenses sections.

Coatings

Crizal Previncia

Essilor's latest coating that selectively filters light for better UV protection on a clear lens. It delivers reflection, scratch, dust, and water resistance along with a blocking of 20% of blue-violet light.

Optifog with Crizal UV

Award winning advanced coating which delivers smudge, scratch, dust and FOG resistance along with UV protection.

Crizal Forte UV

Essilor's most advanced coating which uses the latest innovations to deliver smudge, dust and water repellence and scratch resistance. The coating carries a full 2 year guarantee.

Crizal Alizé UV

Improved performance in dust repellence. Crizal Alize+ has a top coat which has lower friction so water droplets and dirt specks do not stick to the surface.

Crizal Easy UV

Crizal Easy is the new entry level MAR coating that provides the ideal introduction to the key benefits of AR lens technology. It replaces Trio Easy and is sensitively priced.

Supra

Supra is a scratch resistant hard coating derived from the polymerisation of polysiloxane compounds. Lenses are tintable before Supra is applied.

Free Form Plastic Single Vision

Essilor Road Pilot

A premium single vision lens manufactured using advanced digital surfacing. Requires additional dispensing measurements. Recommended for single vision wearers who require maximum visual performance for driving. This lens has a specific Crizal coating. Order using distance PDs with fitting heights. Ideal frame fitting conditions: Pantoscopic tilt 8 - 12°, Face form angle 4 - 8°, Vertex distance 10 - 12mm.

Free Form Plastic Progressive

Varilux X Series. Xclusive 4D, X Track 2 and Varilux X.

The Varilux X Series is a personalised Varilux design that replaces the Varilux S series. The lens is available in 3 versions, The Varilux X design being available in both long and short versions. The Varilux X track 2 incorporates Near Vision Behaviour and the premium Varilux Xclusiv 4D uses Near Vision Behaviour, Eyecode as standard and optional wearer initials. Eyecode can also be incorporated into Varilux X and Varilux X track 2.

Varilux Physio 2.0 and Physio 2.0 Short

Varilux Physio 2 is based on physiological studies that respect specific eye requirements in every gaze direction and innovates in the three zones of the lens: distance, intermediate and near. It delivers high resolution vision through two innovations Wave 2.0 and Point by Point twinning. Wave 2.0 is a design innovation which maps pupil size and controls coma, axis and power using digital freeform surfacing. Point by Point control is a process for calculating and manufacturing the lens front and back surfaces ensuring the same level of performance regardless of the prescription.

Minimum fitting height Varilux Physio 2.0 17mm and Short 14mm.
Additions on Varilux Physio 2.0 are from 0.75 to 4.00 excluding 3.75,
Additions on Varilux Physio 2.0 Short are from 0.75 to 3.00

Varilux E and E2 Series

The Varilux E Series is a Varilux design that follows in the footsteps of the Varilux S series. This progressive lens features Swim Control technology which manages the lens power in relation to the curvature reducing swim and easing adaptation. Varilux E 2 incorporates the frame data measurements as standard and both the traditional and short versions offer Swim Control. Recommended as an upgrade for current wearers of Comfort New Edition. Minimum fitting heights are 17mm and 14mm but optional progression length selection is recommended. Also obtainable with optional Eyecode.

Varilux Comfort and Comfort Short New Edition

Varilux Comfort was initially launched in 1993 but it has now been re-designed to take into account new visual requirements. By using digital freeform surfacing Comfort New Edition determines the exact behaviour and habits of presbyopes from data gained over a long period of time. The design of the lens has been optimised and the manufacturing process is used to adapt the lens design precisely and optimise it for each wearer's individual prescription. Minimum fitting height of Comfort New Edition 17mm and Short 14mm. **Note:** Adds on the Short version to +3.00D

Varilux Liberty New Edition and Varilux Liberty New Edition Short

Varilux Liberty is a freeform entry level varifocal lens that features some of the latest developments in varifocal technology. The variable design takes into account the changing needs of presbyopic wearers and the design is optimised for each addition. Minimum fitting height of Varilux Liberty is 17mm and Short 14mm. Additions available on Varilux Liberty are 0.75 to 3.50 but 0.75 to 3.00 on Liberty Short

Free Form Glass Progressive

Varilux Comfort New Edition Glass 1.8 and 1.6

Varilux Comfort was initially launched in 1993 and although the plastic progressives in this design are now available as Comfort New Edition the glass version is only available in the original Comfort design with Reflection Free Coating.

The 1.8 index lens is designed for the high minus progressive Rx. Spheres up to -26D and cyls to +6D may be available on the 1.8 index depending on Rx specification.

Plastic Progressive Power

Varilux Omega

CR39 polynomial aspheric blended lenticular lens with a range of extended reading additions for high plus powers. Minimum fitting height 18mm.

Plastic Vocational Lenses

Varilux Digitime

The Digitime lens is a new generation of occupational lenses designed for digital usage for relaxed eyes and posture in front of screens. The lens incorporates a new ultra near zone and degresses from the near vision point to the top of the lens. They are available with 3 additional Add powers, Near +0.50D, Mid +0.25D and Room +0.125D. To order select the Digitime design required and give monocular distance Pds, fitting height on pupil centre and full Rx + reading addition.

Interview Enhanced Reading Lens

Enhanced Reading Lens: available as Interview 080 or Interview 130, indicating a 0.80 D or 1.30 D regression from the reading Rx, respectively. Mounting reference line fitted on lower limbus, centred for the NCD.

Care must be taken to determine the artificial far point distance: it may be too close for some intermediate tasks; the choice of two regressions helps, the possible exception being with higher Adds.

Varilux Computer 2V and 3V

Occupational/lifestyle lenses designed for use at the computer. The 2V is for people who spend most of their time at the computer, requiring foci for the screen and the keyboard working distances; hence the 2V or 2 Visions. The 3V lens has a relatively narrow distance zone in addition to the screen and keyboard zones, the name deriving from the 3 distances.

2V Available in 1.5 Orma, 3V in 1.5 Orma and 1.6 Ormix. Prescribed Adds for the 3V +1.00 to +2.50

Fitting and ordering:

Computer 2V	Supply the near prescription and mono near Pds.
Computer 3V	Supply the distance prescription, the Addition and distance Pds. Fitting heights are required at pupil centre. Minimum frame depth of 30mm required.

Low Addition Lenses

Essilor Eyezen Start

This lens has been developed especially for digital device users who are under the age of 40 with low visual fatigue and are attracted to technical innovation. It can also be dispensed to teens that are experiencing visual fatigue whilst using modern technology. Coatings as Eyezen Boost.

Essilor Eyezen WOW and Boost

This lens has been developed especially for digital device users and has been adapted to each age profile. The Eyezen for patients aged between 20-34 has an extra +0.40D of extra power at the bottom of the lens. The Eyezen for 35-39 year olds and has an extra +0.60D and the Eyezen for 40-44 year olds with an extra +0.85D and for patients between 45-50 the addition is +1.10D. The Eyezen WOW lenses are not available with Eyecode.

Lifestyle Lenses

Varilux Road Pilot and Varilux Sport

A Varilux lifestyle lens design manufactured using digital surfacing. Recommended for wearers who require maximum visual performance for driving. This lens has a specific Crizal coating. Order using distance PDs with fitting heights. Ideal frame fitting conditions: Minimum fitting height 14mm allowing 10mm to top rim. The Sport is specifically designed for sporting pursuits and made in 1.59 Polycarbonate. It has a wide open field of view for distance with a natural head inclination when viewing at ground level. Suitable for occasional reading and recommended for Golf.