

Caledonian Optical

Further Information

Free Form Plastic Progressive

Entry Progressive

This lens is a non compensated progressive lens which does not require individualised measurements. It is designed for the expert or beginner that is looking for a lens with good balance between distance and near fields. They have minimum fitting heights from 14 to 20 mm in 2mm steps.

Zone Mobile, Extend & Base

Zone Mobile is designed exclusively for smartphone and tablet users. The Zone Extend is targetted towards expert progressive lens wearers who enjoy outdoor environments or need superior distance vision. The Zone Base is better for beginners and non adapted wearers looking for a high value lens. They are personalised lenses with minimum fitting heights from 14 to 20 mm in 1mm steps.

Arc Steady

This lens is a dual sided progressive lens which requires individualised measurements. It is designed for the expert or beginner that is looking for a premium lens with extended visual fields and minimal lateral distortion. They are personalised lenses with minimum fitting heights from 14 to 20 mm in 1mm steps.

Free Form Vocational Lenses

Office II

Office II lenses are available with 4 vision ranges with clear vision from 1.3 metres, 2.0 metres, 4 metres and 6 metres. Order by giving the full distance Rx plus the reading addition and indicate which eyeline measurement is required from the four given above. Office II lenses can be individualised by giving the Back Vertex Distance, Wrap Angle, Pantoscopic Angle and Near Working Distance. The modified Rx will then be supplied.

Low Addition Lenses

Serene

Serene lenses have an option of an 0.50D or an 0.75D addition. Serene lenses can be individualised by giving the Back Vertex Distance, Wrap Angle, Pantoscopic Angle and Near Working Distance. The modified Rx will then be supplied.

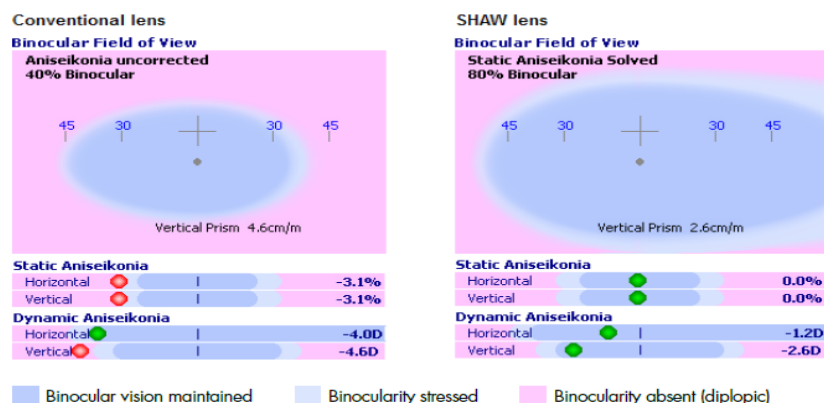
Free Form Specialist S/V, FT28 and Progressive Lenses

Shaw Lens

This lens uses a computerised binocular vision system with a patent pending method that takes measured motor fusion limits (vergences), the prescription and position of wear information all into account in the design of a pair of lenses. This provides improved binocular vision designed to maintain induced prismatic effect that falls within individual patients' limits. It is used to help with dynamic aniseikonia (anisophoria) which is generally the result of the spectacle correction of anisometropia, meridional aniseikonia due to asymmetrical astigmatism, curvature at the spectacle plane due to the frame face form angle and/or prescribed prism. Using motor fusion limits with the lens design tool it is possible to predict patients' binocular vision problems and it is useful in the following. Using the Shaw Lens App it is possible to demonstrate potential improvements in vision scenarios.

- * Amblyopia
- * Anisometropia
- * Anisometropia
- * Astigmatism
- * Prismatic correction

Using the Shaw Lens App it is possible to demonstrate potential improvements in vision.



Shaw progressive lenses are available in three distinct geometries, Balanced for general purpose, Active for sports and sunglasses and Boardroom for enhanced reading. The corridor length is automatically specified based on frame dimensions and position of wear measurements to determine a patients' optimal reading zone.

Available Lenses:

Progressive Addition and Digital Single Vision

Index	Clear	Transitions™	Polarized	Drivewear™	Cylinder	Prism	Add
1.50	-9.00 to +8.00	-9.00 to +6.50	-9.00 to +6.50	-9.00 to +6.50	-5.00	5	0.50 to 4.00D
1.59	-9.00 to +8.00	-9.00 to +6.50	-9.00 to +6.50		-6.00	5	0.50 to 4.00D
1.60	-14.00 to +9.50	-14.00 to +9.50	-14.00 to +8.00		-6.00	5	0.50 to 4.00D
1.67	-16.00 to +12.50	-16.00 to +9.50	-15.00 to +9.50		-6.00	5	0.50 to 4.00D
1.74	-18.00 to +11.50	-18.00 to +11.50			-6.00	5	0.50 to 4.00D

FT28 Bifocal

Index	Clear	Transitions™	Polarized	Drivewear™	Cylinder	Prism	Add
1.50	-9.00 to +8.00	-9.00 to +6.50			-5.00	5	1.00 to 3.50D
1.59	-9.00 to +8.00				-6.00	5	1.00 to 3.50D

For further technical information on Shaw Lens click on the pdf in the Specialist Lens section of the site to read the brochure.

