

ZONE EXTEND 2.0

Innovation for your eyes



Caledonian
Optical

ZONE EXTEND 2.0

THE DISTANCE VISION YOU DID NOT KNOW YOU NEEDED.

There are many lenses on the market that offer an amazing distance vision. However, many of them fail to supply all the deficiencies that the wearer has, so their satisfaction always ends up being negative.

Zone Extend achieves just the opposite. Apart from a **marvelous and panoramic distance vision**, this personalised free-form progressive lens also provides notable comfort and total freedom of lateral eye movement in distance, which, added to the cutting-edge technologies it has, **allow wearers to visualize objects and other things with high precision and clarity.**



MFH [Minimum fitting height]
14mm | 15mm | 16mm | 17mm | 18mm

IDEAL WEARER **Enhanced FAR**

- ✓ Those people who consider having a premium lens and an extraordinary visual quality and comfort quite relevant.
- ✓ Experienced or novice progressive wearer who require the wider distance visual field.

BENEFITS

- ✓ Improved distance vision.
- ✓ Extra-large and panoramic distance visual field.
- ✓ Superior comfort and high-definition vision, especially when performing distance visual activities.
- ✓ Peripheral blur reduction.
- ✓ Higher image stability for reduced swim effect.
- ✓ Freedom of lateral eye movement in distance.
- ✓ Highly personalised lens

Unprecedented distance visual quality thanks to this personalised free-form progressive lens for expert or novice progressive lens wearers.

TECHNOLOGIES

Zone Extend lenses incorporate **IOT Digital Ray-Path 2** Technology and **Acu Tech™** technology. With this technology, the swim effect is significantly reduced.

iot
Technology

IOT DIGITAL RAY-PATH 2 TECHNOLOGY

ARC Steady lenses incorporate IOT Digital Ray-Path 2 Technology. **IOT Digital Ray-Path 2 pushes the limits of geometry in lens personalisation by incorporating the wearer's accommodative capacity in the final lens calculation to further minimise oblique aberrations.**

This technology works in synergy with nature. It utilises the innate power of the human eye to refine the optimisation process for personalised lenses.

BENEFITS

- ✓ Wider visual fields.
- ✓ Precise and comfortable vision.
- ✓ A more consistent wearer experience.
- ✓ Near elimination of peripheral blur.
- ✓ Superior visual quality with digital devices.



ACU TECH TECHNOLOGY

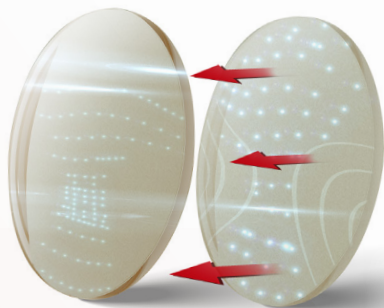
Acu tech™ technology focuses primarily on minimising the spherical peripheral power errors to deliver patients a more focused and natural vision. Acu Tech™ technology carefully balances the mean power required for intermediate and near vision, achieving a perfectly symmetrical and smooth distribution.

STABILITY

Lenses designed with Acu Tech provide wearers with **more stable and natural vision**. Acu Tech addresses unwanted changes to mean power in the lateral areas of the lens, providing superior progressive lenses **for all lifestyles and market segments**.

BENEFITS

- ✓ Higher image stability for reduced swim effect.
- ✓ Improves peripheral visual acuity in the distance.



Features



PERSONALISATION

The design is further enhanced, when desired, by a complete set of individualisation parameters that take into consideration the unique attributes of the frame and the preferences of the wearer. If no parameters are provided, IOT Digital Ray-Path 2 will utilise default values.



COMPENSATED POWER

Lens power differs from prescribed power. The design is calculated, point by point, to ensure wearers perceive the proper power when looking through their lenses at every distance and direction of gaze, including near distances for viewing electronic devices.



OPTIMISED FOR ACCOMMODATIVE OBJECT SPACE

IOT Digital Ray-Path 2 incorporates the intelligent use of the wearer's accommodation into the traditional calculations for reducing oblique aberrations, resulting in a superior personalised lens. Oblique aberrations are minimised more effectively than ever before.



CONSISTENCY

The perceived power distribution remains stable, regardless of the prescription or base curve. This is especially beneficial for high prescriptions and large or wrapped frames.



STRICT CONTROL OF MEAN POWER IN DISTANCE AREA OF THE LENS

Significantly reduces mean power error.



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