



SOLA **HD**
TECHNOLOGY

**Recommend HD Lenses
for High Definition Vision**

HD lens technology allows for the recreation of the target lens design for each and every wearer.

Wearer's unique data, including back vertex distance, pantoscopic tilt and lens wrap angle measurements are incorporated into the lens design to ensure the most accurate power for their chosen frame and its relationship to their eyes.

The result is large and wide areas of clear vision with the lowest level of unwanted astigmatism.

See the world in High Definition.

Next Generation – Short Corridor Progressive from SOLA

Small redefined.

13mm fitting height

Introducing Compact Ultra™

Ultra progressive performance in ultra small frames.

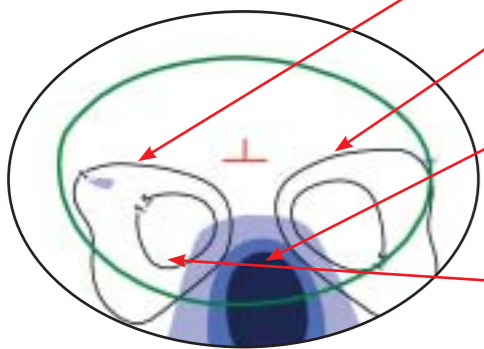


How Compact Ultra™ measures up while sizing down

- 13mm minimum fitting height
- 9mm corridor
- Lower maximum astigmatism
- The reading area you prescribed

Compact Ultra™ – a closer look

- Multi-design ensures quality in all powers
- Low surface astigmatism boosts intermediate clarity
- Soft, smooth geometry at distance and intermediate helps maximise comfort
- Full reading area, properly located in frame – no need to compensate by increasing Add
- Corridor design permits a full reading area and excellent optics
- Near perfect balance of power and astigmatism



**Compact Ultra
Range Availability:**



Teflon® Easycare delivers easy clean, anti-reflective, scratch resistant eyewear.

| Material | Coating | Refractive Index | Diameter | Rx Range | Add | Cyl |
|-----------------------------|---------------------------------|------------------|----------|------------------|----------------|----------------|
| Hiperlite 1.67 | SOLA HD Teflon® Easycare | 1.67 | 73mm | -12.00 to +8.00D | +0.75 to 3.50D | up to -4.00cyl |
| Hiperlite 1.67 Transitions | SOLA HD Teflon® Easycare | 1.67 | 73mm | -12.00 to +8.00D | +0.75 to 3.50D | up to -4.00cyl |
| Finalite 1.60 | SOLA HD Teflon® Easycare | 1.60 | 73mm | -12.00 to +6.00D | +0.75 to 3.50D | up to -4.00cyl |
| Finalite Transitions 1.60 | SOLA HD Teflon® Easycare | 1.60 | 73mm | -12.00 to +6.00D | +0.75 to 3.50D | up to -4.00cyl |
| Finalite 1.60 | Ultra-Tough | 1.60 | 73mm | -10.00 to +6.00D | +0.75 to 3.50D | up to -4.00cyl |
| Finalite Transitions 1.60 | Ultra-Tough | 1.60 | 73mm | -10.00 to +6.00D | +0.75 to 3.50D | up to -4.00cyl |
| Polylite 1.59 | Ultra-Tough | 1.59 | 72mm | -9.00 to +5.00D | +1.00 to 3.00D | up to -4.00cyl |
| Polylite Transitions 1.59 | Ultra-Tough | 1.59 | 72mm | -9.00 to +5.00D | +1.00 to 3.00D | up to -4.00cyl |
| Hard Resin 1.50 | Ultra-Tough | 1.50 | 72mm | -9.00 to +5.00D | +0.75 to 3.50D | up to -4.00cyl |
| Hard Resin Transitions 1.50 | Ultra-Tough | 1.50 | 72mm | -9.00 to +5.00D | +0.75 to 3.50D | up to -4.00cyl |



Now also available as **Compact Ultra™ HD.**

Carl Zeiss Vision

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New South Wales 1800 225 430 Victoria 1800 464 332
Western Australia 1800 981 029 New Zealand 0508 765 271
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CARL ZEISS VISION



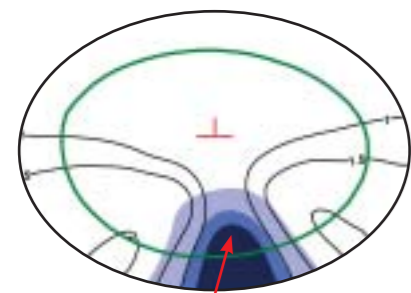
Compact Ultra™ – a new perspective on small frame progressives

Small frame styles are more popular than ever – and progressive lens wearers don't want to be left out. Now they don't have to be.

With a 13mm fitting height, Compact Ultra delivers full prescribed reading area in small and ultra-small frames. And from 17mm all the way down to 13mm fitting heights, you can finally offer your progressive lens customers superior vision with more frame choices.

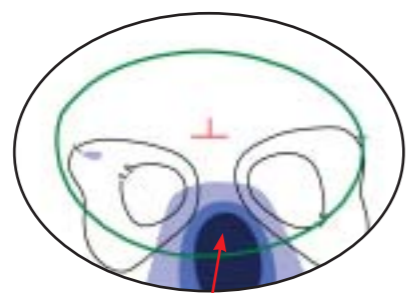
Compact Ultra's 9mm progressive corridor allows full vision for all distances at fitting heights as low as 13mm.

Conventional short corridor progressive



Minimal full-power reading area

Compact Ultra™

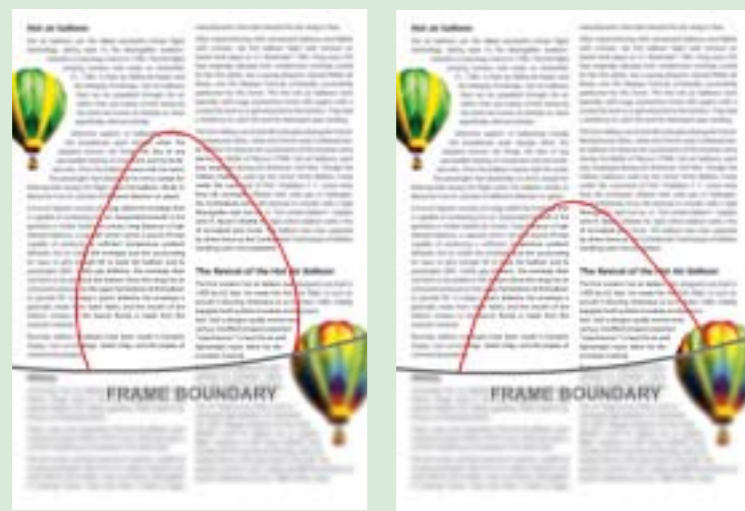


Large full-power reading area

Note: ** Full-power reading area is defined as the region of surface power within $\pm 0.25D$ of the specified addition in a given frame. Averages calculated from a population of lens samples representing a Plano Rx, +2.00 Add (unless otherwise stated) using a scaled Ovaline 7 frame shape. Individual results may vary. Data on file.

Unsurpassed Reading Performance

Compact Ultra wearers will see more of a printed page clearly, without uncomfortable head movements. The illustration to the right compares a typical page as seen through Compact Ultra and a leading short-corridor competitor.



Compact Ultra™

Competitor B

Area of clear vision based upon 0.50 D of RMS power error ray traced for a 40 cm near working distance. Measurements based upon the most statistically representative lens from a population of lens samples representing a Plano Rx, +2.00 Add at a 17 mm fitting height. Individual results may vary. Data on file.

Short on height, long on benefits

Lower fitting height at 13mm

Fitting even smaller frames is no problem, because Compact Ultra maintains optical function and integrity even at 13mm. This unique design breakthrough expands the choice of small frames available to progressive lens wearers and expands the reading area they need.

| Claimed minimum fitting height | | | | | |
|--------------------------------|--------|--------|--------|--------|--|
| Compact Ultra™ | Lens A | Lens B | Lens C | Lens D | |
| 13 | 14 | 16 | 14 | 16 | |

Shorter short corridor at 9mm

Compact Ultra's short corridor is uniquely designed to better accommodate the typical patient's preferred eye declination while reading. This means easier transitions – which creates more natural vision.

| Corridor length to 85% of Add* (mm) | | | | | |
|-------------------------------------|--------|--------|--------|--------|--|
| Compact Ultra™ | Lens A | Lens B | Lens C | Lens D | |
| 8.6 | 9.6 | 11.1 | 11.4 | 10.4 | |

* Measurements based upon the most statistically representative lens from a population of lens samples representing a Plano Rx, +2.00 Add (unless otherwise specified). Individual results may vary. Data on file.

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Larger, wider, more functional reading area

What's the point in having a progressive lens if you can't read comfortably? Compact Ultra offers more reading area in the frame, in a width and shape that is easy on the eyes. The reading area size means patients finally get the Add power you prescribed, and there's more room in the reading area, so the eye doesn't need to work as hard.

| Average full-power reading area* (mm ²) | | | | | |
|---|----------------|--------|--------|--------|--------|
| Fitting Height | Compact Ultra™ | Lens A | Lens B | Lens C | Lens D |
| 13 | 22.1 | 10.3 | 5.4 | 4.1 | 9.4 |
| 14 | 29.9 | 16.7 | 11.5 | 10.1 | 16.0 |
| 15 | 38.0 | 24.0 | 19.0 | 17.7 | 23.4 |
| 16 | 46.2 | 32.0 | 27.5 | 26.5 | 31.7 |
| 17 | 54.1 | 40.7 | 36.9 | 36.4 | 40.7 |

Note: Blue denotes fitting height below manufacturer's recommendation.



Balanced vision with the lowest astigmatism

Compact Ultra features remarkably soft geometry and decreasing astigmatism as the eyes move to the periphery, ensuring nearly perfect binocular compatibility of the lens pair. These lenses offer one of the lowest values of maximum surface astigmatism of any short corridor progressive. This translates into a comfortable visual experience and, in most cases, immediate patient adaptation.

| Maximum Surface Astigmatism | | | | | |
|-----------------------------|--------|--------|--------|--------|--|
| Compact Ultra™ | Lens A | Lens B | Lens C | Lens D | |
| 1.96 | 2.05 | 2.03 | 2.11 | 2.04 | |

Multi-design – superior full-power viewing areas throughout the Add range

Compact Ultra's design performs outstandingly and consistently across all Add powers. The table below shows how the reading area for Compact Ultra remains consistently high across a range of Add powers. At 2.00D Compact Ultra shows a striking 33 percent larger average reading area than the typical competitor lens shown. This superiority continues at higher and lower Add powers, and provides an extra 81 percent zone size at 2.50D. Some competitor products have significant variance of reading area depending on which addition is prescribed. Compact Ultra's optimized design however allows Add power to scale up or down, with consistent quality and power at every level.

| Comparison of average full-power reading areas for three additions at a 17mm fitting height | | | |
|---|--|--|--------------------------|
| Add | Compact Ultra™ | Lens A | Compact Ultra™ |
| | Average Full-Power Reading Area** (mm) | Average Full-Power Reading Area** (mm) | % Reading Area Advantage |
| 1.50 | 64.2 | 46.2 | 39% |
| 2.00 | 54.1 | 40.7 | 33% |
| 2.50 | 51.3 | 28.3 | 81% |

Peripheral integrity – reduced skew distortion

Quality vision isn't based solely on what a wearer sees through the "sweet spot" centre of the lens. Compact Ultra's patented technology ensures visual integrity in the peripheral area – not just the near-reading area. Patients can look at a rectangle– or piano keyboard, for example – and the piano keys will be straighter, not as distorted or curved at the edge.



Compact Ultra™ – Visual integrity in the peripheral area



View afforded by a conventional progressive

* Measurements based upon the most statistically representative lens from a population of lens samples representing a Plano Rx, +2.00 Add (unless otherwise specified). Individual results may vary. Data on file.

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