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# Endless Bifocal

Free-form round segment  
bifocal lens. Expands  
material and treatment  
options for wearers.

[Download the lab kit](#)



# Free-form round segment bifocal lens. Expands material and treatment options for wearers.

Endless Bifocal lenses are created with free-form technology on the back side of any semi-finished spherical lens blank.

Digital processing ensures the segment line is virtually invisible for noticeably better aesthetics. Lens structure is very similar to conventional bifocals. Material availability is consistent with other digital free-form lenses.

Endless Bifocal lenses are fully personalized using IOT Digital Ray-Path 2 Technology. Oblique aberrations are reduced allowing wearers to focus with precision.

## Category

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**Use:** General

**Product:** Personalized

**Frequency of use:** Regular

## Ideal wearer

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**Current bifocal wearers who wish to experience superior visual quality.**

Bifocal lens wearers who want a broad selection of materials and treatments.

**Vision therapy for children with accommodative difficulties.**

Current bifocal wearers who value improved aesthetics.

## Compatibility



**Material & blank provider:** Endless Bifocal lenses are compatible with any blank provider and lens index.

**Coatings:** Endless Bifocal lenses are compatible with any coatings you run at your lab.

**Machinery & LMS:** Endless Bifocal lenses are compatible with almost any machinery supplier and LMS.

## Endless Bifocal Technologies

### IOT Digital Ray-Path 2

Oblique aberrations are minimized more effectively than ever by incorporating the intelligent use of wearers' accommodation into traditional calculations.

[View more](#) →

The standard configurations of Endless Bifocal lenses were developed for the most common needs of bifocal wearers.



## Endless Bifocal Benefits

- Wide areas of view at near and distance, free of aberrations.
- Better aesthetics, less visible segment line.
- Easy transition between visual fields.
- Comfortable and precise focusing, especially when using electronic devices.
- Near elimination of peripheral blur.
- Countless material and treatment options.
- High value solution.



## Endless Bifocal Options

### Endless Bifocal | Round



The diameter (32 mm) and position of the segment are very similar to a conventional bifocal with straight, curved, or round segments. This solution is perfect for those who already wear bifocal lenses and want easy adaptation to their new eyeglasses.

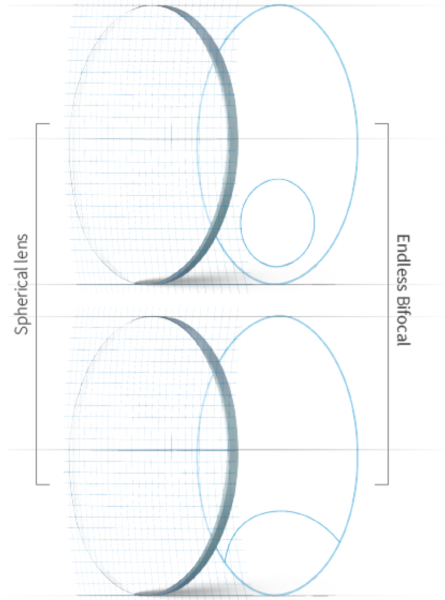
### Endless Bifocal | Wide



In this configuration, the segment is expanded up to 40 mm, offering a noticeably larger near viewing area while maintaining panoramic distance vision. This configuration is ideal for current wearers of wide segment conventional or executive bifocals. It is also optimal for vision therapy for children with accommodative difficulties.







## Endless Bifocal Features

### Personalization

The design is further enhanced, when desired, by a complete set of individualization 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 utilize 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.



## Optimized 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 personalized lens. Oblique aberrations are minimized 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.

Create a unique product suited to your market needs.

Endless Bifocal lenses allow for countless configurations, providing the opportunity to differentiate for unique market needs. No other lens design portfolio is as modular, flexible, and versatile as IOT's.

Find the lens design you need!  
Compare our design by type,  
specifications, and features.



Let's go!

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## Single vision solutions

Personalized free-form single vision lens.  
Advanced design provides unparalleled visual quality.



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## Occupational solutions

Personalized free-form lens for maximum performance in intermediate and near zones.



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## Bifocal solutions

Personalized Free-form round segment bifocal lens. Expands material and treatment options for wearers.



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## Photochromic lenses

As part of IOT's commitment to innovation for high value-added products, we now offer Neochromes light-activated lenses.



### ABOUT IOT



IOT in figures

The beginning

### IOT INTELLIGENCE

Our innovation ecosystem

Our innovation methodology

[Our DNA](#)

[Our four pillars](#)

[Our values](#)

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[IOT Freeform Designer](#)

[Intelligent technologies](#)

## SERVICES FOR YOUR BUSINESS

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[IOT Technical Services](#)

[IOT Marketing Services](#)

[IOT Client Hub](#)

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[Innovation as a service](#)

[Our technologies](#)

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[Single vision solutions](#)

[Neochromes](#)

[Custom lenses](#)

[Computer lenses](#)

[Lens comparison](#)

[Solutions](#)

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[Endless Steady Progressive](#)

[Essential Steady Progressive](#)

[Endless Office Occupational](#)

[Endless Drive Progressive](#)

[Endless Sport Progressive](#)

[Endless Single Vision](#)

[Endless Anti-fatigue Vision](#)

## LENS MATERIALS

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