

Lens Design

Endless Drive Single Vision

Free-form single vision. Includes a night vision zone

iot

See the difference

Endless Drive Single Vision

Free-form single vision.
Includes a night vision zone.

Endless Drive Single Vision lenses are designed for non-presbyopic drivers who demand impeccable visual quality for driving at any time day or night.

They incorporate a night vision zone that compensates for the difference in refractive error that occurs between day and night. The wearer obtains greater visual acuity and reduced visual fatigue.

In addition, the lens optimization process includes IOT Digital Ray-Path® 2, which 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.

Category

Use	Special
Product	Personalized
Frequency of use	Regular

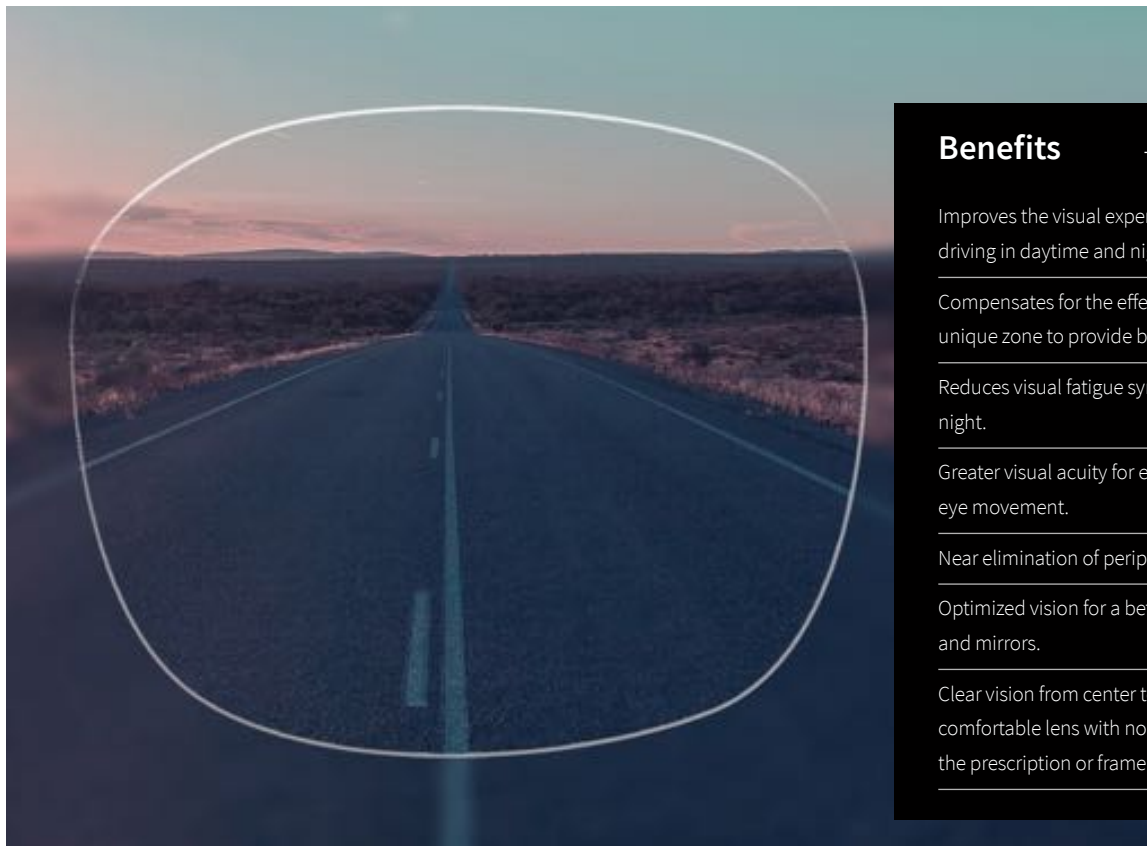
Ideal wearer

Non-presbyopic drivers looking for the **most innovative solutions.**

Wearers looking for **more comfort, visual quality, and safety while driving.**

Wearers who feel they **see worse at night than during the day.**

Wearers with **all types of prescription powers.**



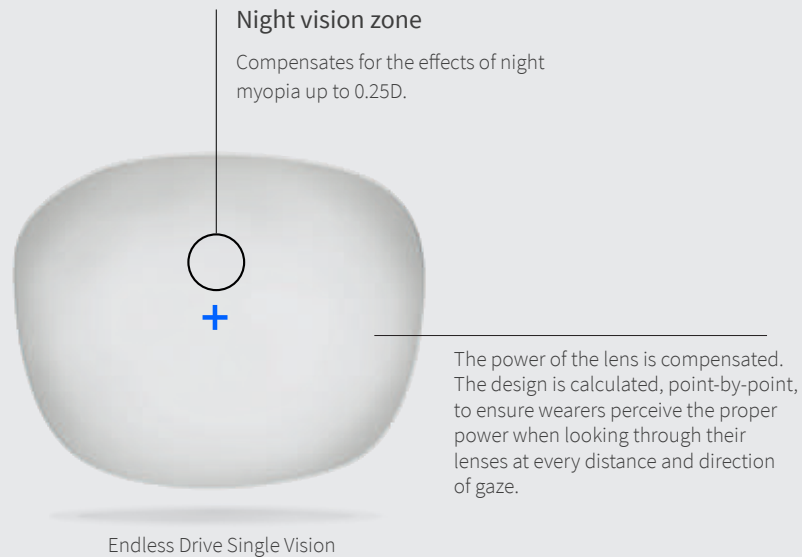
Benefits →

- Improves the visual experience of the wearer when driving in daytime and nighttime conditions.
- Compensates for the effects of night myopia with a unique zone to provide better focus.
- Reduces visual fatigue symptoms when driving at night.
- Greater visual acuity for easy focus and more agile eye movement.
- Near elimination of peripheral blur.
- Optimized vision for a better view of the dashboard and mirrors.
- Clear vision from center to edge ensuring a comfortable lens with no limitations regardless of the prescription or frame selected.

Unique power distribution based on drivers' visual needs

The power distribution of **Endless Drive Single Vision** incorporate a night vision zone located above the main direction of gaze. It helps to compensate for the loss of focus caused by night myopia.

This unique zone provides better focus for distant objects, reducing visual fatigue while driving at night.



Infinite design configuration options

Create a unique product suited to your market needs

Endless Drive Single Vision 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.

VALUES	POSSIBILITIES
POWER RANGES	
Rx range	Extended to your blank limits
THICKNESS	
Thinning prism	Equalized
Thickness optimization	Decentration or lenticularization
LENS COMPENSATION	
Personalization parameters	Real or defaults
Power compensation	Optimal or customized
Prism compensation	Enable or disable
REFERENCE POINTS	
Layout	Standard or on demand
MANUFACTURING	
Crib	Rounder/elliptical/shaped
Prism	Blocked, generated or mixed

Compatibilidad →

Material & proveedor semiterminado

Endless Drive Single Vision lenses are compatible with any blank provider and lens index.

Tratamiento

Endless Drive Single Vision lenses are compatible with any coatings you run at your lab.

Machinery & LMS

Endless Drive Single Vision lenses are compatible with almost any machinery supplier and LMS.

Technologies

DRP 2

Features →



Personalization

The back surface is Personalized according to the use parameters, creating a unique lens for each wearer. If no actual parameters are available, **IOT Digital Ray-Path® 2** uses them by default.



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 in accommodative 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.

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www.iotlenses.com