

July 2025



2025
HOYA Vision Care
product & technology
reference guide

Redefining every aspect of vision correction

HOYA
FOR THE VISIONARIES

Global technology leader

Since 1941, HOYA has been a leader in optical technology and innovation with a passion for finding the best vision solutions. Our teams around the world tirelessly research ways to manipulate light to provide higher-quality lens solutions that deliver clear results for our eye care partners and their patients.



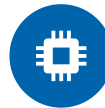
We are honored to be recognized as the Ultimate Partner by Vision Monday and 20/20 magazines for the third consecutive year, alongside awards for Best Spectacle Lens Company in 2023 and 2024.

We are HOYA, and we are for the visionaries.



Health care

- Eyeglass lenses
- Contact lenses



Electronics

- Mask blanks, photomasks for LSI
- Photomasks for LCD panels
- Glass disks for HDD



Imaging

- Optical glass/lenses
- Laser equipment



Medical

- Medical endoscopes
- Intraocular lenses
- Prosthetic fillers and orthopedic implants

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**Visionary
Alliance.**

Day ne Job ne

**Enroll today and earn points
starting on Day 1, Job 1.**

No monthly minimum purchase required.



**Visionary Alliance is where independent ECPs
can go to feel connected to their HOYA network.**

For Existing Members

97% of Visionary Alliance Members
plan to renew. You can renew
membership here.



Scan QR code or
visit visionaryalliance.com

For New Members

New to HOYA?
Pre-enroll here.
















Scan QR code or
visit bit.ly/va-pre-enroll

Your Patients. Your Brand. HOYA Support.

The promotion is open only to professional eye care practices that are not excluded, debarred, or suspended, nor owned or controlled, in whole or in part, by a person who is excluded, debarred, or suspended, from participation in any federal health care program as defined at 42 U.S.C. § 1320a-7b(b).

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HOYA progressive lens resource guide

Technology	Feature	Amplitude® BKS/Mini	Summit® cd/ecp BKS	Amplitude® HD3 /Mini	Array® 2 /Wrap	iD LifeStyle® 4	iD MyStyle® 3
 AdaptEase™ Technology <small>New</small>	Improves intermediate and near vision by reducing peripheral distortion without compromising distance clarity.						✓
 3D Binocular Vision™ <small>New</small>	Improved horizontal and vertical prism imbalance reduces distortions in near and intermediate areas, giving less swaying effect when moving.					✓	✓
 Integrated Dual Surface™ Technology	Vertical progressive component on front for easy viewing near to far. Horizontal progressive component on back giving widest near field of view.			✓		✓	✓
 BKS Technology™	Applies HOYA Free Form backside surfacing technology to any semi-finished single vision lens in virtually any material. BKS offers larger cutouts for larger frames.	✓	✓		✓		
 Free Form Production	Pixel-perfect lens calculation for optimal visual performance for your patient's prescription.	✓	✓	✓	✓	✓	✓
 Corridor Length Options*	Adjusted progressive power distribution creates the ideal corridor length to match patient's activities.	11, 15	11, 15	11, 14	11, 13, 15, 17	11, 12, 13, 14, 15, 16	11, 12, 13, 14, 15, 16
 Position of Wear**	Pantoscopic tilt, vertex distance, and face form angle measurements are considered in the design to match the patient's specific frame and Rx.			✓ ***	✓	✓	✓
 Binocular Eye Model	3D patented modeling of lens design for each patient.				✓	✓	✓
 Binocular Harmonization Technology™ (BHT)	Patented technology balances the prescription differences between the right and left eyes, resulting in effortless focusing at intermediate and near distances.				✓	✓	✓
 Stable View Enhancer	Evaluation method to reduce distortion when moving around and going up or down stairs.			✓		✓	✓
 View Xpansion Technology™	Reduces aberrations from all viewing angles, allowing patients to maintain clear vision with head movement.			✓		✓	✓
 HOYA iDentifier™	A web questionnaire that records personal prescription, wearing history, wearing parameters, and lifestyle preferences of the patient.						✓
 Design Options	Tailored lens design solution fitted to your patient's personal lifestyle activities and visual needs.					Indoor, Urban, Outdoor	Tyro, Expert, Detail, Modern, Adventure

*For proper fitting, please consult the product centration chart.

**Default Position of Wear Measurements: Vertex Distance: 12.30mm, Pantoscopic Angle: 8.30 degrees, Wrap: 4.40 degrees.

***Amplitude HD3/Mini is a compensated design but does not allow Position of Wear Measurements. Default Measurements are used.

Our best progressive lens by far.

iD MyStyle® 3

For everyday clarity and maximum visual comfort in nearly every situation.

iD MyStyle 3 is our most advanced and personalized lens design, incorporating all of HOYA's latest patented technologies.

You can use the MyStyle iDentifier™ ordering platform to create nearly 400 different versions of the lens based on the patient's lifestyle and previous glasses. This ensures a smooth adaptation to their new MyStyle lenses. The most discerning PAL wearers will benefit from tailor-made lenses.

Our best technologies in one lens by far.

Seamless visual comfort, for any activity, in all environments.



NEW

AdaptEase™ Technology

Creates faster adaptation and clearer vision by reducing peripheral astigmatic distortion.



NEW

3D Binocular Vision™

Reducing the peripheral prismatic imbalance minimizes distortions and offers an elevated level of comfort.



Binocular Harmonization Technology™

A true binocular solution that helps the eyes work better together for precise and effortless focusing, depth of vision, and stability.



Binocular Eye Model

Evaluates the lenses as a pair to ensure the best possible binocular vision and harmonized images.



Integrated Dual Surface™ Design

Splitting the progressive component between the front and back surfaces maximizes the field of view, minimizes distortion, and reduces eye rotation.

iD MyStyle 3 can also be ordered in one of our five convenience options.



NEW

Tyro*

Indoors/Outdoors

- New to progressive lenses
- Smoother peripheral experience
- More indoor lifestyle



NEW

Expert

Indoors/Outdoors

- Experienced progressive lens wearers
- Active lifestyle
- Bifocal to PAL conversion



Detail

Indoors

- Close-work focus
- IT worker, mechanic, accountant
- Puzzles, crafts, scrapbooking, hobbyist



Modern

Indoors/Outdoors

- Most popular option
- Single pair for convenience
- No viewing-distance preference



Adventure

Outdoors

- Clear edge-to-edge distance
- Sports and outdoor activities
- Teacher, driver
- Walks their dog daily

*Tyro means "novice" or "beginner." Tyro is specially designed to help new progressive lens wearers adapt quickly.

Your favorite progressive lens brand just got better!

iD LifeStyle® 4

Prescribe HOYA's new iD LifeStyle 4 with confidence.

3D Binocular Vision™ technology has been added to our bestselling LifeStyle lens design. Your patients will experience easier adaptation resulting from comfortable vision, fewer distortion areas, and easier focusing, so you can prescribe iD LifeStyle 4 with confidence.

HOYA's new 3D Binocular Vision™ technology delivers faster adaptation thanks to **3x less peripheral deformation**.¹ iD LifeStyle 4 reduces the occurrence of unwanted prismatic effects in the near-range peripheral vision, resulting in more comfortable, stable vision.

Available designs

- **iD LifeStyle 4 Indoor:** Designed for presbyopes who spend a lot of their time indoors, looking at digital devices or reading
- **iD LifeStyle 4 Urban:** Designed for presbyopes who are active, always on the go, and also enjoy reading books and using their digital devices
- **iD LifeStyle 4 Outdoor:** Designed for presbyopes who primarily wear their correction for distance use yet still require clear vision to see their phone and other near materials

Polarized options are available in gray, brown, and green.



iD LifeStyle 4's four core technologies



3D Binocular Vision™

Reducing the peripheral prismatic imbalance minimizes distortions and offers a brand-new level of comfort.



Binocular Harmonization Technology™

A true binocular solution that helps the eyes work better together for precise and effortless focusing, depth of vision, and stability.



Binocular Eye Model

Assesses the lens's binocular design to provide the best binocular and harmonized images possible.



Integrated Dual Surface™ Design

Splitting the progressive component between the front and back surfaces maximizes the field of view, minimizes distortion, and reduces eye rotation.

1. Based on models of peripheral progressive deformation with and without 3D Binocular Vision™ technology.

Simply outstanding progressive lenses

Array® 2

Array 2 applies HOYA free form back side surfacing technology to any semi-finished lens in any material.

Binocular Harmony

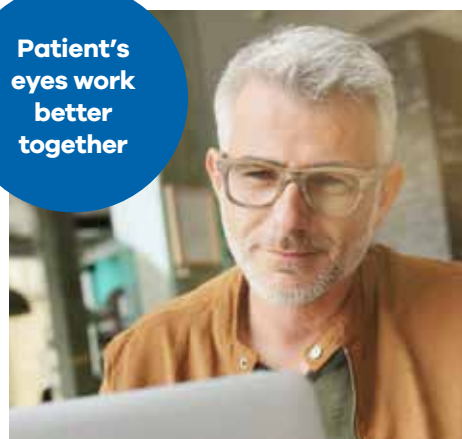
Array 2 lenses now include HOYA's Binocular Harmonization Technology.™ This patented technology takes into account the difference between the right and left eye as individual components to calculate the optimal binocular lens design to provide natural vision and depth perception.



Binocular
Harmonization
Technology

- Vision stability
- Precision focus
- Ease of dispensing with variable length (VL)
- Effortless adaptation
- Higher customer satisfaction

Patient's
eyes work
better
together



Available corridor lengths

- **Array 2:** 11, 13, 15, 17, VL
- **Array 2 Wrap:** 11, 13, 15, 17, VL

Consistency

Array 2 progressive lenses have the broadest range of material availability, with clear and sun options, including polarized, tints, and Sensity® light reactive lenses. This makes offering your patients multiple pairs simple knowing your patient will have a consistent experience when wearing clear indoor glasses or outdoor sun protection.

Simplicity

The number of frame styles available is continually growing and can affect the type of lens design you can use. Thanks to Array 2's unique variable length (VL) auto-corridor selection, you can accommodate most patient frame choices. You simply order with patient prescription and seg height, and the software selects the ideal corridor for your patient.

Array 2 offers:



Natural,
comfortable
vision



Free form
backside
surfacing



Position of
wear and frame
measurements



Provides wider,
more stable
viewing areas



Optimized for
individual
prescription



Larger cut outs to
accommodate
modern frame styles
and trends

Premium single vision

HOYA has driven single vision lens design innovation with a passion for finding the best vision solutions that deliver clear results. For practices that offer free form progressives, you should also consider offering free form single vision lenses to your patients to further differentiate your brand.



Why MySV® is right for today's patients

Traditional single vision lenses correct the central vision very effectively. Unfortunately, traditional single vision lenses do not meet patients' demanding needs for overall quality of vision. Your patients deserve lenses that utilize today's lens technology for today's visual demands.

Which patients will benefit most from MySV?

Confidence



Patients who want to have 360° visual comfort everywhere they look.

Peripheral Vision

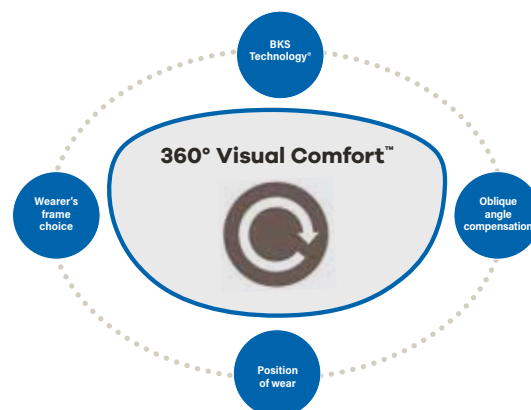


Patients with astigmatic prescriptions who struggle with peripheral distortions in conventional lenses.

Aesthetics



Patients who feel limited in their frame selection due to lens thickness.



The MySV experience implements four powerful elements

For too long, single vision wearers have been underserved. The technology available to differentiate their experience is here. HOYA's MySV lenses achieve fully personalized 360° Visual Comfort™ through:

- 1 BKS Technology®**
- 2 Oblique angle compensation**
- 3 Each patient's position of wear**
- 4 Wearer's frame choice**



iD Single Vision™

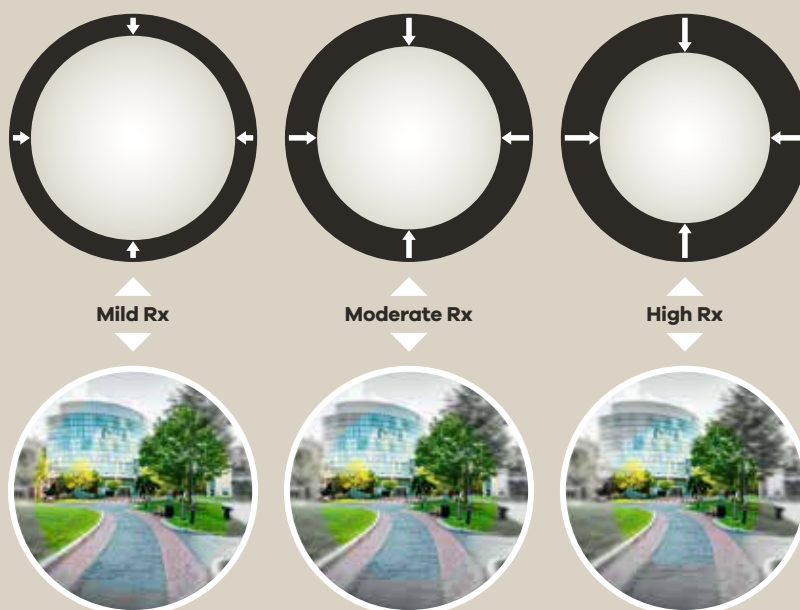
Advanced bi-aspheric single vision by HOYA

iD Single Vision utilizes aspheric curves on both the front and backside of the lens, creating a bi-aspheric HOYA free form lens design. This provides expanded peripheral viewing, especially in higher prescriptions, and results in the thinnest lenses.

Design benefits

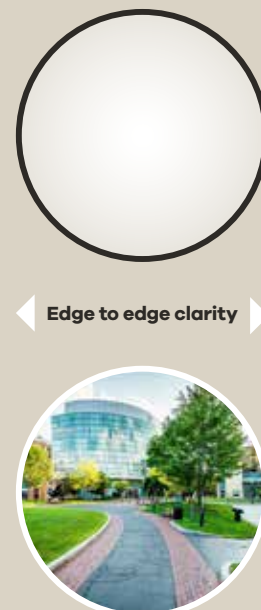
- Optimized visual acuity and a crisper image perception
- Noticeably more relaxed vision thanks to precise and effortless focusing
- More accurate correction
- Providing OC and monocular PD measurements yields exceptional results

Stronger prescriptions can reduce edge to edge clarity.



Any prescription can be enhanced and provide improved clarity in the lens periphery.

iD Single Vision



Clear vision at all powers
+/- 4.00 to +/- 6.00

SYNC III® lenses: Built for today's digital world

About 80% of Americans report symptoms of digital eyestrain, yet many are unaware that computer eyewear can provide relief.*

SYNC III lenses are specifically designed to protect against digital eye strain, offering unparalleled comfort for your patients' digital lifestyles.



*The Vision Council, Focused inSights Digital Habits 2022.



Sync III design



Standard design

Our eyes weren't made for screens. Sync III® lenses are.

Most people spend an average of 8-10 hours a day looking at digital screens, with peaks reaching up to 15 hours a day.¹ Digital eye strain symptoms can manifest in as few as 2 hours of digital screen viewing.²

Sync III lenses have a slight power boost design that will support and relax your patients' eye muscles, relieving eye strain to let them focus more easily. Sync III lenses work with any standard prescription.



**Power boost
design variations**



**Free form
backside surfacing**



**Position of wear and
frame measurements**

Four boost levels:

- Sync III 5 (+0.57D): Mild support for younger adults, including students
- Sync III 9 (+0.95D): Extra support for heavy screen use and moderate symptoms of digital eye strain
- Sync III 13 (+1.32D): Heavy screen use and significant symptoms of digital eye strain
- **NEW!** Sync III 20 (+1.89D): Active presbyopic patients who struggle to read with single vision glasses.

1. HOYA Consumer Digital Behavior Study, October 2017.

2. Ang C., Dinevski D., Vlasak N., Kok A. Taking the strain. *Optician*. 05/2017, vol. 253, no. 6600, p.25-28.



Sync III[®] 20 lenses

have the distance power for everyday use and a 'boost zone' at the bottom of the lens for near viewing comfort.



The Problem

Active 50+ individuals struggle to read electronic devices during physical activities without glasses.

Here's what they experience:

- **Disrupted flow**
Squinting at devices disrupts activity enjoyment.
- **Compromised safety**
Unable to quickly switch from activity to screen.
- **Inconvenience**
Carrying around and switching to reading glasses.

The Solution

Sync III 20 are lenses for people engaged in active lifestyles. Sync III 20 combines clarity, visual comfort and convenience for tech-savvy, on-the-go active people:

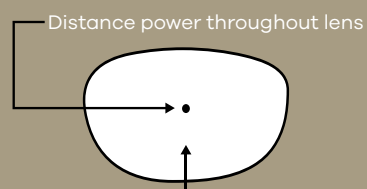
- **Clear distance zone**
Sharp, stable vision while moving. Patients will enjoy uninterrupted focus and balance during activities.
- **Strategic reading "boost" zone**
Easy device reading without stopping. Stay connected without disruptions.
- **Minimal peripheral distortions**
An advanced single vision lens that accommodates near task activities.

What is a "Boost Zone"?

The boost zone is an area with an increased amount of relaxing power, which reduces eye strain. This allows your patients' eye muscles to relax and focus more easily providing visual comfort.

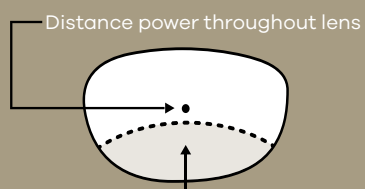
The relaxation effect is in place after several hours when looking at near distances, as well as when they bounce from distance activities to near.

Standard single vision lens



No boost zone to support device use during physical activities

Sync III 20 single vision lens



Boost zone (1.89D) improves electronic device readability during physical activities



See better. Work better.



iD WorkStyle® 3 occupational/computer-specific lenses are designed to maximize comfort in the intermediate zone where typical workday functions are performed.

iD WorkStyle 3 shares the same technologies found in iD MyStyle 3, designed to maximize comfort for specific work styles. iD WorkStyle 3 is the primary pair of glasses for patients who spend most of their day – whether at work or at play – in an office or up-close environment.

iD WorkStyle 3 is available in three designs:

Space

- The primary focus is beyond the distance of a computer screen
- Ideal for patients who are active in their office environment

Screen

- The primary focus is at an intermediate distance, like those working at a desk
- Ideal for anyone working on dual monitors

Zoom

- The primary focus is clarity at a short distance and widest possible near area
- Ideal for hobbies and laptop work requiring high levels of concentration



Anti-reflective treatments

Your patients expect:

- Extreme durability
- Superior clarity
- Easy to clean

Super HiVision® Meiryo® EX4™ is superior clarity that lasts.

HOYA's Super HiVision Meiryo EX4 AR treatment provides everything your patients expect and goes above and beyond any other coating on the market.

Extreme durability

- Up to **2.5x better scratch resistance** than major competitor's best coating¹

Easy to clean

- Stays **easy to clean 10x longer** than major competitor's best coating²

Superior clarity

- **56% lower reflectance** than major competitor's best coating^{3,4}

Your patients will enjoy superior clarity⁵ that lasts longer and benefit from best-in-class surface durability⁶.

Additional resources

More information on the tests conducted is in our white paper titled **"Exploring key features that work together to create the ultimate coating"** which is available on our website www.hoyavision.us and on request.



Uncoated

Super HiVision Meiryo EX4



Uncoated

Super HiVision Meiryo EX4



Uncoated

Super HiVision Meiryo EX4

1. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 03/2023. Compared to several competitor coatings including major competitor's best coatings. Passed 2.5kg SWSC test when most competitive lenses tested did not pass 1kg in the SWSC.
2. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 03/2023. Hi-Vision Meiryo (HVLL 2.0) maintains hydrophobic performance more than 10X that of major competitor.
3. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 03/2023. The reflection has been calculated based on the reflection values measured in the Luminous reflectance Rv evaluation.
4. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 03/2023. Hi-Vision Meiryo lasts longer than all major competitors. 56% lower reflectance than major competitor's best coating resulting in exceptional clarity. Hi-Vision Meiryo maintains hydrophobic performance up to 5X that of closest competitors.
5. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 03/2023. Hi-Vision Meiryo (HVLL 2.0) performed over 2x better than several competitive coatings in the HB test. Hi-Vision Meiryo (HVLL 2.0) demonstrate best in class surface durability through both HB and SWSC tests.
6. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 03/2023. Hi-Vision Meiryo (HVLL 2.0) maintains hydrophobic performance up to 5X that of all competitive coatings tested.

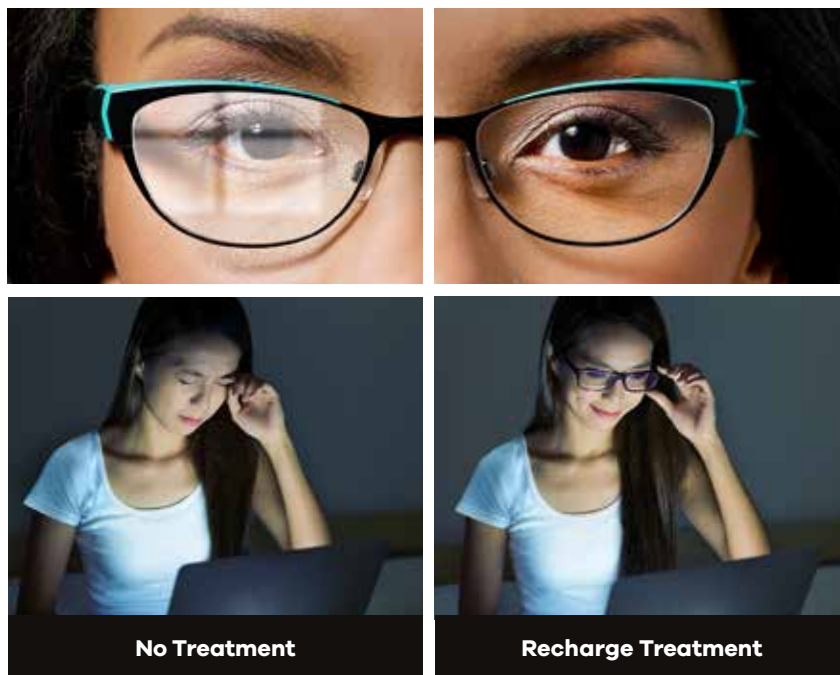
Blue light treatments



Recharge®

Recharge reduces blue light exposure from the back-lit screens of digital devices. Perfect for patients who suffer from digital eye strain (DES).

- Reduces blue light exposure through a combination of absorption and reflection
- Keeps eyes comfortable and refreshed
- May help alleviate eye strain, fatigue, headaches, loss of focus and blurred vision (DES)
- Re-energizes focus



Please refer to page 28 to see the full list of anti-reflective treatments offered by HOYA.

HOYA anti-reflective and blue light treatments

Technology	Feature	HiVision®	HiVision® View Protect™	Super HiVision® EX3™	Super HiVision® Meiryo® EX4™	Recharge®
 Reduced Reflections	Provides optimal visual clarity and reduces eye strain.	✓	✓	✓	✓	✓
 Oleophobic Treatment	Smudge-repellant technology helps keep lenses clean, even after being touched.		✓	✓	✓	✓
 Hydrophobic Treatment	Water-repellant technology retains premium, easy-to-clean properties even after long-term use and repeated wiping.		✓	✓	✓	✓
 Low Reflection	Provides enhanced vision for night driving, improves appearance, and optimizes visual clarity.				✓	
 Ultra-durable Anti-scratch Layer	Provides optimal durability and extends the life of the lens.			✓	✓	✓
 Blue Reflect Layer	Enhances visual comfort.					✓

Materials



Clear Blue Filter® Everyday protection from damaging light rays



Recommended as
an effective UV filter
for the eyes and
surrounding skin.

All eyes are vulnerable.

From sunlight to digital devices, ultraviolet and high-energy blue light is everywhere.

Clear Blue Filter lenses may help protect eyes from the harmful effects of powerful rays.

Give your customers the best protection.

Block UVA/UVB rays and filter the most damaging, highest-energy blue light with Clear Blue Filter.

Provide comfort from sunlight, screen time, and other everyday activities. It also helps safeguard eyes from conditions linked to UV high-energy blue light.^{1,2}

Designed for daily wear.

These lenses are thin, lightweight, impact-resistant, and affordable—making them perfect for everyday use.



Safe for young eyes

Children are 70% more susceptible to high-energy blue light transmitted to a child's retina.³



Protection by design

Safety is built into the lens, not the coating.

1. "The Family of Sunlight-Related Eye Diseases" Optometry & Vision Science, Volume 71.

2. "Is sunlight exposure a risk factor for age-related macular degeneration?" British Journal of Ophthalmology, Volume 97.

3. "Clinical Light Damage to the Eye", Sidney Lerman, M.D.

Materials

HOYA Materials

1.50

Basic, thin, and value priced.

Lens features

- Ideal for value-oriented patients
- Best visual acuity for mild and moderate prescriptions

HOYA Phoenix® 1.53

Very strong and reliable material, the ideal choice for your customers and their children when it comes to protecting their eyes.

Lens features

- Impact resistant
- Sharper vision
- Lightweight lens material for all-day comfort
- UV protection

1.59

Thinner and lighter than regular plastic lenses.

Lens features

- Impact resistant
- UV protection

1.60

Premium-performing high-index lens material with superior optical clarity.

Lens features

- Very thin and lightweight
- UV protection

1.67

Exceptionally thin, strong, and light design.

Lens features

- Exceptionally thin
- 25% flatter than 1.60 or 1.59
- UV protection

1.74

The thinnest and flattest ultra high index lens material on the market.

Lens features

- Nearly 50% thinner than plastic
- Nearly 5% thinner than 1.67
- UV protection

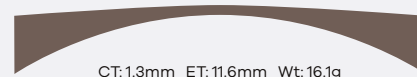
Plastic 1.50

-6.00



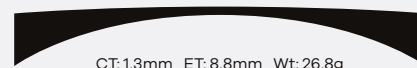
Phoenix 1.53

-6.00



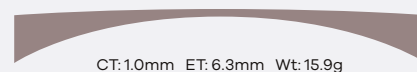
Poly 1.59

-6.00



High-Index 1.60

-6.00



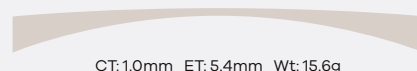
High-Index 1.67

-6.00



High-Index 1.74

-6.00



All data quoted for minus powers is for 65mm diameter lenses. The chart is for comparison purposes only. Actual lens results will differ based on individual prescription, personal measurements, and frame selected.

Sun solutions



HOYA Polarized HEV™ – Offer them the best sun protection money can buy.

Today's patients are more health-conscious than ever. Give your patients the best sun protection money can buy and a brand they know and trust.



Recommended as
an effective UV filter
for the eyes and
surrounding skin.

The ultimate protection under the sun

HOYA Polarized HEV lenses offer at least **1.6 times higher** High Energy Visible light protection versus standard polarized lenses.¹



Polarized HEV Gray



Polarized HEV Brown



Polarized HEV Green



100%
UVA and UVB
protection



Up to 97%
reduction in
blinding glare²



3 unique colors
that do not distort
color perception



Utilizes a patented
manufacturing
technology

1. Polarized HEV Gray polycarbonate lens vs standard 1.50 polarized gray lens between 380nm-460nm.
2. HEV brown lenses.

HOYA Mirror Collection

Introducing HOYA's latest mirror collection, with 19 new options available on a brown or gray polarized base lens.

Features:

- Offers optimal sun protection by reflecting light away from the lens surface
- Reduces discomfort and eye strain caused by glare
- Features a fashionable mirror finish
- Backside AR for increased clarity

Flash Mirrors

Flash Blue Mirror

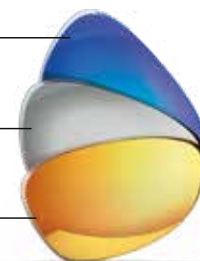
Ordering Code: FBM

Flash Silver Mirror

Ordering Code: FSM

Flash Gold Mirror

Ordering Code: FGM



Solid Mirrors



Gold Mirror

Ordering Code: GDM



Rose Gold Mirror

Ordering Code: RGM



Green Mirror

Ordering Code: GRM



Blue Mirror

Ordering Code: BLM



Silver Mirror

Ordering Code: SLM



Daybreak Luster Mirror

Ordering Code: DLA



Tranquility Essence Mirror

Ordering Code: TEA



Golden Ember Mirror

Ordering Code: GEA



Arctic Blue Mirror

Ordering Code: ATB



Caribbean Blue Mirror

Ordering Code: CRB



Pacific Blue Mirror

Ordering Code: PFB



Red Mirror

Ordering Code: RRM



Copper Mirror

Ordering Code: CPM



Ruby Mirror

Ordering Code: RDM



Light Blue Mirror

Ordering Code: LBM



Violet Mirror

Ordering Code: LVM

Lens illustrations are simulated to be as realistic as possible for demo purposes. Colors may differ slightly.



Enjoy more time by the pool, in the mountains, or at the beach with HOYA's Polarized sun lenses.

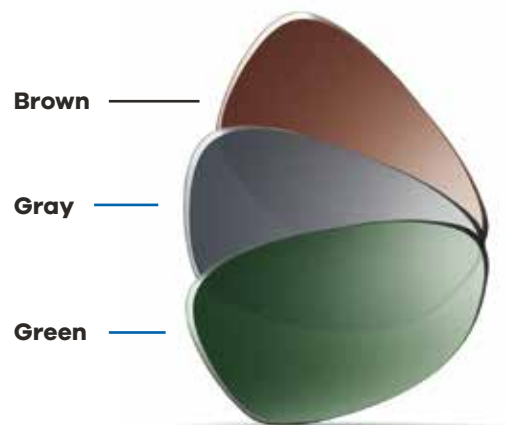
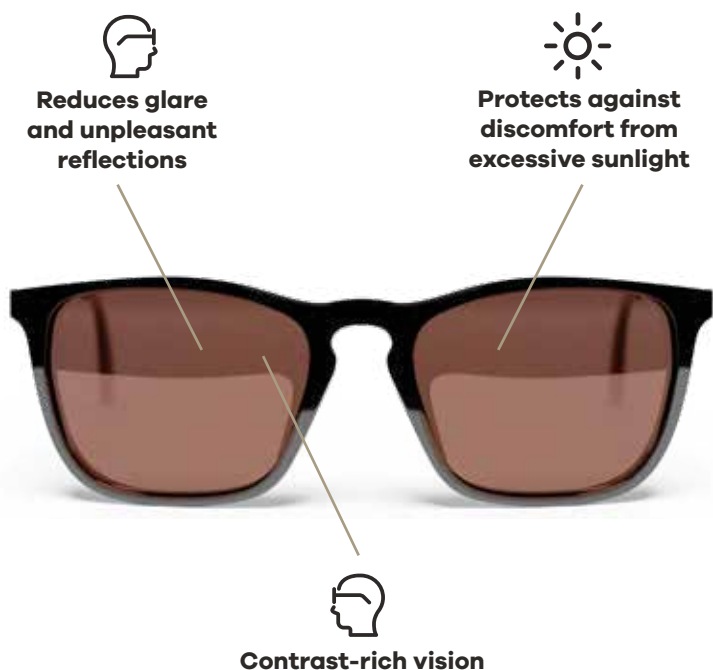
With HOYA's Polarized sun lenses, blinding reflections and visual discomfort are no longer an issue. Reduced glare and enhanced contrast offer improved visual performance, comfort, and protection.

Features:

- Three fashion-forward colors
- Available in a wide range of designs including iD LifeStyle® 3 Sun
- Available with new HOYA mirror coatings
- Available for all ages

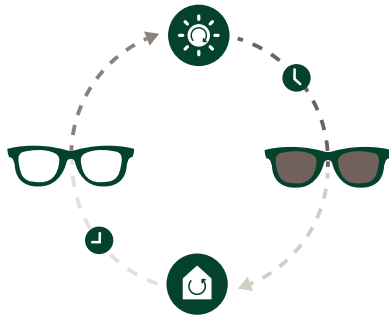
Ask your HOYA Business Consultant about our new Polarized Gradient colors, now available.

New



The full Sensity® family: for limitless lifestyles

**Make your move toward
Sensity light-adaptive lenses.**



All Sensity® light-adaptive lenses feature the following benefits:

- Consistent performance in different climates and light conditions, thanks to Stabilight Technology™**
- Outstanding contrast and glare reduction with Sensity's deep, natural colors
- Reduced glare when activated
- 100% protection against UV rays**
- Blue light protection indoors and outdoors***



Stand out with quality and comfort

Sensity® 2 provides all-day comfort for light-sensitive eyes, no matter the climate, season, or lifestyle.

Patient benefits:

- Best balance of fadeback speed and darkness for most patients
- Darkens to a dark category 3 sun tint
- Extremely clear indoors
- **Now Available!** Bifocal polycarbonate only, Gray and Brown



Stand out with faster speed

Sensity® Fast is our fastest light-adaptive lenses, rapidly fading back from dark to clear.

Patient benefits:

- Ideal for first-time photochromic patients who prefer the fastest fadeback
- Darkens to a category 2 sun tint
- Extremely clear indoors



*Based on internal and external photochromic activation and deactivation measurements taken at different temperature levels. Stabilight Technology does not apply to Sensity Fast.

**All Sensity lenses provide 100% UV protection with the exception of Sensity 2 Oceanic Blue in 1.50 material which provides 99.0% of UV protection. Internal assessment by HOYA R&D Laboratories. Based on internal assessment according to ISO 8980-3:2022 for all HOYA branded plastic lenses except 1.50 standard lenses.

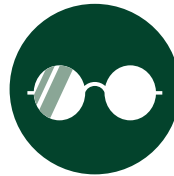
***Based on internal testing of average light transmission between 381nm-500nm compared to standard clear lens.



**Convenient
2 in 1 solution**



**UV/HEV
protection**



**Glare
reduction**



**Stable performance
in all climates**



Stand out with extra performance

Sensity® Dark lenses are engineered for outdoor activities and driving – ideal for an active lifestyle.

Patient benefits:

- Best for the most light-sensitive patients
- Our darkest Sensity lenses outdoors
- Lenses darken behind most car windshields
- Slight tint indoors for those sensitive to indoor light



Silver Gray



Bronze Brown



Emerald Green

SENSITY

DARK



Stand out with extra style

Sensity® Shine combines comfort, convenience, and fashion with a mirror coating on a photochromic lens.

Patient benefits:

- For wearers who want a fashionable mirror lens
- Fades back quickly to an attractive mirror shine indoors
- Lenses darken behind most car windshields



Shine Silver Gray



Shine Bronze Brown



Shine Emerald Green

SENSITY

SHINE

Product comparison chart

HOYA lens designs		HOYA concept and benefits	Vision plan competitive comparisons*
iD	iD MyStyle® 3	<ul style="list-style-type: none"> The pinnacle of personalization with nearly 400 design variations when using the iDentifier™ Can utilize an interactive consultation program to gather patient information, lifestyle requirements, and wearing preferences to create a lens that is uniquely personalized Incorporates two new technologies – 3D Binocular Vision™ to improve the unwanted prismatic effect at the periphery of the lens and AdaptEase™ Technology to improve the intermediate and near vision without compromising distance clarity Uses Integrated Dual Surface™ (iD) design technology and Binocular Harmonization Technology™ to accomplish ideal binocular vision for a truly personalized design Every pair is designed using HOYA's patented Binocular Eye Model™ and 3D Visual Acuity Simulation™ Available in five convenience options: Tyro, Expert, Detail, Modern, and Adventure 	<ul style="list-style-type: none"> Shamir Autograph® Intelligence™ Varilux® XR Track Unity® Via Elite II
iD	iD LifeStyle® 4	<ul style="list-style-type: none"> 3D Binocular Vision Technology with an improvement of the unwanted prismatic effects or prism imbalance between R and L induced by progressive distribution for near vision, which causes unusual feeling for wearers: Deformation of the image and swaying effect when moving Individual wearing parameter Three different designs (Indoor, Urban, and Outdoor) Binocular Harmonization Technology Integrated Dual Side™ design with standardized front vertical power distribution and customized back horizontal progression – reduces eye rotation between distance and near zones and provides wider fields of view Option for position of wear measurements. Different progression lengths from 11-16mm 	<ul style="list-style-type: none"> Shamir Autograph III Varilux XR Design Zeiss Smartlife Individual Unity Via Elite II
iD	iD WorkStyle® 3	<ul style="list-style-type: none"> Relieves symptoms related to digital eye strain (DES) iD WorkStyle Space: The ideal lens for performing activities where the focus is beyond the distance of a computer screen iD WorkStyle Screen: The best choice for professions requiring maximum clarity at an intermediate distance like those working in stores and offices iD WorkStyle Zoom: Perfect for hobbies and laptop work that require high levels of concentration and sharp vision at close range Best binocular vision with HOYA's Binocular Harmonization Technology 	<ul style="list-style-type: none"> Essilor® Computer Shamir Computer™ & Workspace™ Zeiss® Officelens Book, Desk, Room Unity® Via Office Pro
BKS	Array® 2 Array® 2 Wrap	<ul style="list-style-type: none"> Binocular Harmonization Technology takes into account the differences between right and left prescription to balance the design performance Applies HOYA free form surfacing technology to the back side of any semi-finished single vision lens, in any material Variable corridor length offers customization for ergonomic considerations Array 2 Wrap provides compensated design for wrap frames 	<ul style="list-style-type: none"> Kodak DS II™ Shamir Autograph® II+ Shamir Autograph® II Attitude™ Varilux® Physio® W3+/ Stylistic Wrap Zeiss® Precision (Superb, Plus, Pure) Unity® Via II, Unity Plus II/ Mobile II/Wrap II
BKS	Amplitude® BKS® Amplitude® Mini BKS®	<ul style="list-style-type: none"> Economical lenses to suit any budget Comfortable design to suit most lifestyle needs Wide fields of view with free form technology 	<ul style="list-style-type: none"> Kodak Precise®/PB/Short Shamir Element™ Zeiss Synchrony® Easy Adapt Varilux® Comfort 2 Ethos® Plus
BKS	HOYA GP Wide™	<ul style="list-style-type: none"> 23% wider than traditional progressive lenses Horizontal asymmetry, balanced, comfortable binocular vision Transmission based design Natural all-around vision with wide near zone 	<ul style="list-style-type: none"> SolaMax® Kodak Concise Essilor® Ovation Essilor® Naturar AO Compact Varilux® Comfort

*The trademarks listed in the Vision plan competitive comparisons are the property of their respective owners.

Product comparison chart

HOYA lens designs		HOYA concept and benefits	Vision plan competitive comparisons*
ID	iD Single Vision™	<ul style="list-style-type: none"> HOYA's Integrated Dual Side™ free form technology Expanded peripheral viewing, especially in higher prescriptions Visual optimization for all powers Ideal combination of performance and cosmetics Higher visual performance 	<ul style="list-style-type: none"> Essilor Eyecode™ Single Vision Essilor Eyezen® +0 Shamir Autograph® II SV Zeiss® 3D SV
BKS	MySV®	<ul style="list-style-type: none"> HOYA's first fully compensated, free form single vision lens Compensates in the oblique angles offering 360° visual comfort Digital lenses provide a more accurate and precise prescription than standard single vision lenses Optimized base curve to fit any frame without altering the frame shape 	<ul style="list-style-type: none"> Essilor FIT™ Shamir Autograph® III SV Unity® SVXtra Zeiss® SmartLife SV Individual
BKS	Sync III™	<ul style="list-style-type: none"> Sync lenses have the distance power for everyday use and a 'boost zone' in the lower portion of the lens The 'boost zone' is an area with an increased amount of relaxing power, reducing eye strain during prolonged up-close activities such as looking at digital screens, reading, or any 'near task' activities Three support levels: Sync III 5 (+0.57D), Sync III 9 (+0.95D), Sync III 13 (+1.32D) and Sync III 20 (+1.89D) 	<ul style="list-style-type: none"> Shamir Relax™ Essilor Eyezen® +1, 2, 3 Zeiss® SmartLife Digital Lens Zeiss® EnergizeMe® SV Zeiss® Digital Lens Unity® Relieve 50/70

HOYA lens treatments		HOYA concept and benefits	Vision plan competitive comparisons*
	Recharge®	<ul style="list-style-type: none"> Reduces the amount of blue light that reaches the eyes emitted by most LED screens Greater comfort for prolonged amounts of time in front of backlit displays Includes the same scratch and smudge resistance benefits as EX3 	<ul style="list-style-type: none"> Crizal® Previncia™ Zeiss® Duravision® BlueProtect TechShield® Blue Essilor Essential Blue Series®
	Super HiVision® Meiryo® EX4™	<ul style="list-style-type: none"> Best-in-class surface durability Front and back superior premium scratch resistance, water-repellent, oil/grease-repellent¹ Excellent smudge resistance, eliminates glare, and helps reduce eye fatigue Superior clarity that lasts longer² Maintains "Easy Clean" features Anti-static 100% front and back UV protection <p>1. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 05/2023. Compared to several competitor coatings including major competitor's best coatings. Passed 2.5kg SWSC (Steel Wool Scratch) test when most competitive lenses tested did not pass 1kg in the SWSC (Steel Wool Scratch).</p> <p>2. HOYA data on file. Product assessment report – Hi-Vision Meiryo. 05/2023. Hi-Vision Meiryo lasts longer than all major competitors. 56% lower reflectance than major competitor's best coating resulting in exceptional clarity. Hi-Vision Meiryo maintains hydrophobic performance up to 5X that of closest competitors.</p>	<ul style="list-style-type: none"> Crizal® Sapphire™ HR Zeiss® DuraVision® Platinum UV Shamir Glacier Expression™
	Super HiVision® EX3™	<ul style="list-style-type: none"> Smudge resistant, eliminates glare, and helps reduce eye fatigue Includes View Protect® & Substrate Matching Technology 	<ul style="list-style-type: none"> Crizal® Sapphire™ UV Zeiss® DuraVision® Platinum
	Super HiVision®	<ul style="list-style-type: none"> Front and back superior scratch resistance Exceptional smudge resistance Includes View Protect 	<ul style="list-style-type: none"> Crizal® Avancé™ UV Zeiss® DuraVision® Silver
	HiVision® View Protect®	<ul style="list-style-type: none"> Front- and backside scratch resistance Smudge resistant treatment View Protect "easy to clean" treatment 	<ul style="list-style-type: none"> Crizal® Alize™ UV Zeiss® DuraVision® Silver
	Sensity® Family (Sensity 2, Sensity Dark, Sensity Shine)	<ul style="list-style-type: none"> Excellent contrast and glare reduction with Sensity's four deep, natural colors Exceptional optical quality and durability due to photochromic precision technology Darkens in the car (Sensity Dark and Sensity Shine only) 	<ul style="list-style-type: none"> Transitions™ Signature® Gen S™ Transitions® XTRActive® New Generation Zeiss® PhotoFusion® X
	Sensity® Fast	<ul style="list-style-type: none"> The fastest HOYA light-adaptive lens technology available Cutting-edge speed when fading back from dark to clear Better indoor clarity than the rest of the Sensity family 	<ul style="list-style-type: none"> Unity® SunSync® Elite II

*The trademarks listed in the Vision plan competitive comparisons are the property of their respective owners.

Lens availability charts

Free Form Progressives

	iD MyStyle® 3	iD LifeStyle® 4*	Array® 2
Minimum Fitting Height	Personalized to frame 14mm	20mm/14mm	21mm/19mm/17mm/14mm
Plastic 1.50	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Clear Blue Filter® 1.50	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Plastic 1.50 Polarized		-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Plastic 1.50 Sensity® 2	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Plastic 1.50 Transitions®			-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG
Phoenix® 1.53	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Phoenix® 1.53 Polarized		-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +4.00) ●●	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +4.00) ●●
Phoenix® 1.53 Sensity® 2	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Phoenix® 1.53 Transitions®		-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG
Poly 1.59	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00)	-6.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.00)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Clear Blue Filter® 1.59	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00)	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Poly 1.59 Polarized		-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Poly 1.59 Polarized HEV™		-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Poly 1.59 Sensity® 2	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00) ●●●/SD/SS	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Poly 1.59 Transitions®			-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG
Hi-Index 1.60	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Hi-Index 1.60 Polarized	-		-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Hi-Index 1.60 Sensity® 2	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS
Hi-Index 1.60 Transitions®			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●
Hi-Index 1.67	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)
Clear Blue Filter® 1.67			-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)
Hi-Index 1.67 Polarized		-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Hi-Index 1.67 Sensity® 2	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SD/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Hi-Index 1.67 Transitions®		-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X (Gray Only)/XPG
Hi-Index 1.74	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)

S = Transitions GEN S X = Transitions® XTRActive® New Generation XPG = Transitions® XTRActive® Polarized Gray

SF = Sensity® Fast Gray & Brown SD = Sensity® Dark SS = Sensity® Shine

*Not all iD LifeStyle 3 & 4 Polarized lenses come with iD technology.

** Sensity® Shine, Sensity® 2 Blue/Green, Sensity® 2 in 1.60, and Sensity® Dark in iD designs add powers are available from +0.75 to +3.50.

Lens availability charts

Free Form Progressives	Array® 2 Wrap	Amplitude® HD3/Mini	Amplitude® BKS/Mini	HOYA GP Wide™
Minimum Fitting Height	21mm/19mm/17mm/14mm	18mm/14mm	19mm/14mm	18mm
Plastic 1.50	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Clear Blue Filter® 1.50	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-8.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Plastic 1.50 Polarized	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●		-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Plastic 1.50 Sensity® 2	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Plastic 1.50 Transitions®	-5.00 to +4.00 Cyl. to -4.00 (+0.75 to +4.00) ●●/S/X/XPG		-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG
Phoenix® 1.53	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Phoenix® 1.53 Polarized	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●		-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +4.00) ●●	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +4.00) ●●
Phoenix® 1.53 Sensity® 2	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Phoenix® 1.53 Transitions®	-5.00 to +4.00 Cyl. to -4.00 (+0.75 to +4.00) ●●/S/X/XPG	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG
Poly 1.59	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Clear Blue Filter® 1.59	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Poly 1.59 Polarized	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00) ●●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Poly 1.59 Polarized HEV™	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●		-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Poly 1.59 Sensity® 2	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Poly 1.59 Transitions®	-6.00 to +4.00 Cyl. to -4.00 (+0.75 to +4.00) ●●/S/X/XPG	-6.00 to +6.00 Cyl. to 6.00 (+0.75 to +4.00) ●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG
Hi-Index 1.60	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Hi-Index 1.60 Polarized	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)		-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)
Hi-Index 1.60 Sensity® 2		-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS
Hi-Index 1.60 Transitions®	-6.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●		-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●
Hi-Index 1.67	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)
Clear Blue Filter® 1.67	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)		-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)
Hi-Index 1.67 Polarized	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●		-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●
Hi-Index 1.67 Sensity® 2	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SD/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS
Hi-Index 1.67 Transitions®	-6.00 to +4.00 Cyl. to -4.00 (+0.75 to +4.00) ●●/S/X/XPG	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00) ●●	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG
Hi-Index 1.74	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)

S = Transitions GEN S X = Transitions® XTRActive® New Generation XPG = Transitions® XTRActive® Polarized Gray

SF = Sensity® Fast Gray & Brown SD = Sensity® Dark SS = Sensity® Shine

*Not all iD LifeStyle 3 & 4 Polarized lenses come with iD technology.

** Sensity® Shine, Sensity® 2 Blue/Green, Sensity® 2 in 1.60, and Sensity® Dark in iD designs add powers are available from +0.75 to +3.50.

Lens availability charts

	<div>New</div>				
Premium SV, Bifocal & New Media Optics	MySV® Single Vision iQ™ SV	iD WorkStyle® 3 (Space, Screen, Zoom)	Sync III® (5, 9, 13, 20)	Summit® ecp/cd BKS	ST28 iQ™/ST28
Minimum Fitting Height	Personalized to frame 18mm		19mm/14mm		
Plastic 1.50	-10.00 to +10.00 Cyl. to -6.00	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50)	-10.00 to +6.00 Cyl. to -6.00	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -4.00 (+0.75 to +3.50)
Clear Blue Filter® 1.50	-10.00 to +10.00 Cyl. to -6.00	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50)	-10.00 to +6.00 Cyl. to -6.00	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-10.00 to +6.00 Cyl. to -4.00 (+0.75 to +3.50)
Plastic 1.50 Polarized	-10.00 to +4.00 Cyl. to -6.00 ●●●		-10.00 to +6.00 Cyl. to -6.00 ●●●	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-10.00 to +6.00 Cyl. to -4.00 (+0.75 to +4.00) *only ST28
Plastic 1.50 Sensity® 2	-10.00 to +4.00 Cyl. to -6.00 ●●●/SF/SD/SS	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50) ●●●/SD/SS	-8.00 to +6.00 Cyl. to -6.00 ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	
Plastic 1.50 Transitions®	-8.00 to +9.00 Cyl. to -4.00 ●●/S/X/XPG		-10.00 to +6.00 Cyl. to -6.00 ●●/S/X/XPG	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.50) ●●
Phoenix® 1.53	-13.00 to +9.00 Cyl. to -6.00	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50)	-10.00 to +6.00 Cyl. to -6.00	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.50) ●●/X
Phoenix® 1.53 Polarized	-12.00 to +6.00 Cyl. to -6.00 ●●		-10.00 to +4.50 Cyl. to -6.00 ●●	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +4.00) ●●	
Phoenix® 1.53 Sensity® 2	-13.00 to +9.00 Cyl. to -6.00 ●●●/SF/SD/SS	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	
Phoenix® 1.53 Transitions®	-13.00 to +9.00 Cyl. to -4.00 ●●/S/X/XPG		-10.00 to +6.00 Cyl. to -6.00 ●●/S/X/XPG	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X	-9.00 to +7.00 Cyl. to -4.00 (+1.00 to +3.50) only T8
Poly 1.59	-10.00 to +6.00 Cyl. to -6.00	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50)	-13.00 to +6.00 Cyl. to -6.00	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +4.00)
Clear Blue Filter® 1.59	-10.00 to +6.00 Cyl. to -6.00	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50)	-13.00 to +6.00 Cyl. to -6.00	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +4.00)
Poly 1.59 Polarized	-9.00 to +6.00 Cyl. to -6.00 ●●●		-13.00 to +6.00 Cyl. to -6.00 ●●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.50)
Poly 1.59 Polarized HEV™	-9.00 to +6.00 Cyl. to -6.00 ●●●		-13.00 to +6.00 Cyl. to -6.00 ●●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.50)
Poly 1.59 Sensity® 2	-9.00 to +6.00 Cyl. to -6.00 ●●●/SF/SD/SS	-8.00 to +5.00 Cyl. to -4.00 (+1.00 to +3.50) ●●●/SD/SS	-13.00 to +6.00 Cyl. to -6.00 ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.50) ●●●
Poly 1.59 Transitions®	-6.00 to +6.00 Cyl. to -4.00 ●●/S/X/XPG		-13.00 to +5.25 Cyl. to -6.00 ●●/S/X/XPG	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG	
Hi-Index 1.60	-13.00 to +8.00 Cyl. to -6.00	-11.00 to +7.00 Cyl. to -4.00 (+1.00 to +3.50)	-10.00 to +6.00 Cyl. to -6.00	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	
Hi-Index 1.60 Polarized	-13.00 to +8.00 Cyl. to -6.00		-10.00 to +6.00 Cyl. to -6.00	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00)	
Hi-Index 1.60 Sensity® 2	-13.00 to +6.50 Cyl. to -6.00 ●●●/SD/SS	-10.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.50) ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 ●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	
Hi-Index 1.60 Transitions®	-10.00 to +8.00 Cyl. to -6.00 ●●/8		-10.00 to +6.00 Cyl. to -6.00 ●●/8	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	
Hi-Index 1.67	-15.00 to +8.00 Cyl. to -6.00	-13.00 to +7.00 Cyl. to -4.00 (+1.00 to +3.50)	-13.00 to +7.50 Cyl. to -6.00	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.50)
Clear Blue Filter® 1.67	-15.00 to +8.00 Cyl. to -6.00		-13.00 to +7.50 Cyl. to -6.00	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00)	
Hi-Index 1.67 Polarized	-15.00 to +10.00 Cyl. to -6.00 ●●●		-13.00 to +6.00 Cyl. to -6.00 ●●●	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +4.00) ●●●	-15.00 to +10.00 Cyl. to -4.00 ●●● (only ST28)
Hi-Index 1.67 Sensity® 2	-15.00 to +8.00 Cyl. to -6.00 ●●●/SF/SD/SS	-13.00 to +7.50 Cyl. to -4.00 (+0.75 to +3.50) ●●●/SD/SS	-13.00 to +7.50 Cyl. to -6.00 ●●●/SF/SD/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●●/SF/SD/SS	
Hi-Index 1.67 Transitions®	-10.00 to +8.00 Cyl. to -4.00 ●●/S/X/XPG		-13.00 to +7.50 Cyl. to -6.00 ●●/S/X/XPG	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +4.00) ●●/S/X/XPG	
Hi-Index 1.74	-15.00 to +10.00 Cyl. to -6.00	-13.00 to +8.00 Cyl. to -4.00 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +4.00)	-15.00 to +8.00 Up to -4.00 (+1.00 to +3.50)















S = Transitions GEN S X = Transitions® XTRActive® New Generation XPG = Transitions® XTRActive® Polarized Gray

SF = Sensity® Fast Gray & Brown SD = Sensity® Dark SS = Sensity® Shine

*Not all iD LifeStyle 3 & 4 Polarized lenses come with iD technology.

** Sensity® Shine, Sensity® 2 Blue/Green, Sensity® 2 in 1.60, and Sensity® Dark in iD designs add powers are available from +0.75 to +3.50.

AR compatibility guide

Key	Super HiVision® Meiryo® EX4™				Super HiVision® EX3+™ & EX3™				Recharge®*				Super HiVision®				HiVision® w/VP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Warranty	2 Years/unlimited				2 Years/unlimited				2 Years/unlimited				2 Years/unlimited				2 Years/2 times																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Designs	Plastic / Plastic CBF				Plastic Sensity® 2				Plastic Transitions®				Plastic Polarized				Phoenix®				Phoenix® Sensity® 2				Phoenix® Transitions®				Phoenix® Polarized				Poly / Poly CBF				Poly Sensity® 2				Poly Transitions®				Poly Polarized				Hi-Index 1.60				Hi-Index 1.60 Sensity® 2				Hi-Index 1.60 Transitions®				Hi-Index 1.60 Polarized				Hi-Index 1.67 / Hi-Index 1.67 CBF				Hi-Index 1.67 Sensity® 2				Hi-Index 1.67 Transitions®				Hi-Index 1.67 Polarized				Hi-Index 1.74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Refractive index	1.50				1.50				1.50				1.50				1.53				1.53				1.53				1.53				1.59				1.59				1.59				1.59				1.60				1.60				1.60				1.60				1.67				1.67				1.67				1.67				1.74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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*Super HiVision Meiryo EX4, Super HiVision EX3+, Super HiVision EX3, Recharge, and Super HiVision automatically include the View Protect Performance.
**Array 2 Wrap 1.74 only available in PAV or PAR.
†1.50 CBF only for Super HiVision Meiryo EX4.

How corridor lengths impact patient satisfaction



Corridor lengths can have an impact on your patient's experience with their eyewear. The technology in many free form progressive lenses uses unique algorithms to determine the best corridor for each patient prescription. **The question is: Is that always the best option? Let's find out!**

Fixed vs. Variable

There really is no difference between fixed and variable corridor lengths. When you select a variable corridor length, the algorithm determines which FIXED corridor to use. This corridor length is calculated based off the B measurement of the frame and the fitting height of the patient. The variable option should be used with a majority of patients as the algorithm will determine the best fixed corridor.

For HOYA lens designs, the corridor length is measured from the fitting height to 100% of the add power. Corridor length options range from 11mm to 17mm, depending on the lens design. The length of the corridor has an impact on the amount of distortion found in the progressive design.

Short vs. Long

In the early 2000's, smaller frame designs became popular. This necessitated the need for a shorter corridor. Frame designs today tend to be larger, and a longer corridor is an option. There are pros and cons to a short corridor. The downside to a short corridor is more distortion, the benefit is the ability to quickly find the reading zone and they can select wider variety of frame size. The downside of a long corridor is the reading tends to be lower than the patient's natural posture and harder to find, and the benefit is less distortion.



Pro Tip:

Using a centration chart to verify all the zones are within the lens shape will dramatically reduce redos.

iD MyStyle® 3

When the fitting height is: (in mm)		Software Chooses: (Corridor Length)
FROM	TO	iD MyStyle 3
14.0	15.9	11
16.0	17.9	12
18.0	21.9	13
22.0	99.0	14
Only available through fixed corridor selections		15
		16

iD WorkStyle® 3

When the fitting height is: (in mm)		Software Chooses: (Corridor Length)
N	N + Radius Addition	iD WorkStyle 3
11.0	15.0	18
11.0	15.0	19
12.0	16.0	20
12.0	16.0	21
13.0	17.0	22
13.0	17.0	23
14.0	18.0	24

iD LifeStyle® 4

When the fitting height is: (in mm)		Software Chooses: (Corridor Length)
FROM	TO	iD LifeStyle 4
14.0	15.9	11
16.0	17.9	12
18.0	21.9	13
22.0	99.0	14
Only available through fixed corridor selections		15
		16

Array® 2

When the fitting height is: (in mm)		Software Chooses: (Corridor Length)
FROM	TO	Array 2
14.0	16.9	11
17.0	20.9	13
21.0	26.9	15
27.0	99.0	17

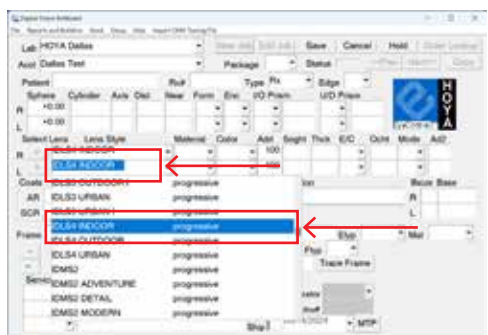
HOYA Progressive Fixed Corridor Guide

How to order

Please note, the directions below only work with DVI specifically.*

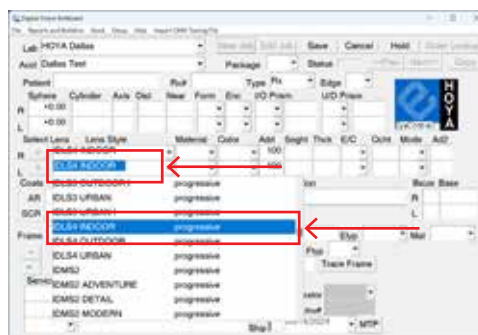
Ordering VL version of IDLS4:

- Select the lens style
- Enter the Rx, PD, fitting height, material, and any coatings or treatments
- Lab will choose appropriate corridor length for fitting height submitted

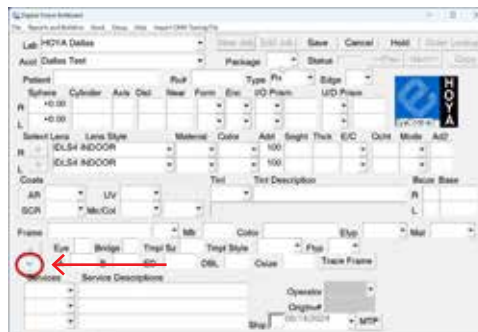


Ordering FIXED CORRIDOR version of IDLS4:

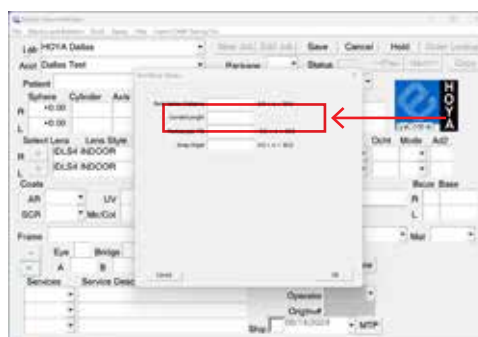
- Select the lens style
- Enter the Rx, PD, fitting height, material, and any coatings or treatments



- Click on "eyeball" icon to open up box for POW measurements



- Type the specific corridor wanted (11, 12, 13, 14, 15, 16) in the box labeled "Corridor Length"

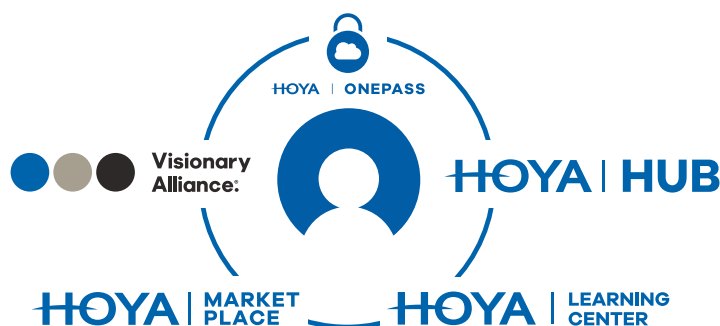


*To order fixed corridor lengths with Vision Web, Eyefinity, EyeMed, or any other portal the customer would need to specify the corridor wanted in the "notes to lab" field to the lab.

Notes

[illegible]

Ways to grow your practice with HOYA



HOYA OnePass is the new digital passport for registered Eye Care Professionals (ECPs) to access our ecosystem. We have created a distinct identity for HOYA OnePass to ensure easy recognition among ECP.

Visionary Alliance® – start earning rewards.

Independent practices need support. Visionary Alliance is designed for you. No contracts. No intrusive data requests. Only benefits.

Enroll today! visionaryalliance.com

HOYA Hub™ – your self-service portal to the lens and laboratory business.

Gain access to tools, resources, job status, support, and pay your bills by signing up for the HOYA Hub.

Support for the HOYA Hub is available by calling **844.736.5772** or emailing hoyahubusa@hoya.com

HOYA Learning Center™ – your interactive learning management system for you and your staff.

Exciting courses, hot topics, and completion rewards now available.

Support for the HOYA Learning Center is available by calling **972.221.4141** or emailing hichelp@hoya.com

HOYA Marketplace – take advantage of HOYA's online shopping portal.

HOYA Marketplace is a comprehensive webshop that caters to the needs of eye care professionals. It offers a diverse range of products, including patient brochures, and practice demonstration tools.

Visit HOYA Marketplace today via the HOYA Hub. For more information contact your HOYA Territory Sales Manager or email: marketplaceus@hoya.com



For more information visit hoyavision.us or contact your HOYA Business Consultant.

Spanish language website: hoyavision.com/es-us