

2023 **HOYA technology** **reference guide**

Redefining every aspect of vision correction

HOYA
FOR THE VISIONARIES

Global technology leader

HOYA is a global medical technology company that employs nearly 40,000 people in over 30 countries worldwide. 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. Custom surfacing is only the beginning for HOYA lenses. The optical innovations that lie ahead will surely continue raising the bar, and we will push limits and set new standards. Like you, we challenge ourselves to strive for perfection. 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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Loyalty is a two-way street.

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

Start earning rewards.
Enroll today at visionaryalliance.com

2023 Full Benefits Menu

Care	Insider	Pro	Elite
Alliance Rewards	●	+75%	+100%
Online Booking Tool*	\$99/mo.	\$99/mo.	\$99/mo.
Spectangle Pro®	\$2,495	\$2,495	\$2,495
New Account Program	●	●	●
Second Pair Extension		60 Days	60 Days
Social Media Management*		\$299/mo.	\$299/mo.
Employee Lens Pricing			●

Knowledge	Insider	Pro	Elite
HOYA Hub™	●	●	●
HOYA Learning Center SM	●	●	●
HOYA Advisory Network	●	●	●
RX Experts	●	●	●
New Product Demos		●	●
VIP Access to Industry Events			●

Foresight	Insider	Pro	Elite
HOYA Growth Programs	●	●	●
HOYA Simplified Pricing	●	●	●
Professional Website Design*			\$99/mo.

**A one-time setup fee may apply*

The Promotion is open only to professional eyecare 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) and do not submit any orders to Hoya Vision Care for which whole or partial reimbursement may be made by a federal healthcare program as defined at 42 U.S.C. § 1320a-7b(b), including Medicaid, Medicare and Tricare among others, or any other reimbursement source prohibited by applicable State laws. Full eligibility requirements can be found at VisionaryAlliance.com.

Hoyalux iD[®] progressive lenses

Experience



Visual



Harmony



Hoyalux iD MyStyle[®] 2 is the most personalized and technologically advanced design available today

HOYA understands that everyone sees differently. It is essential to not only take into account the prescription and required correction, but also the individual characteristics of the wearer. iD MyStyle 2 takes into account all the variables that are specific for each wearer.

Our patented Integrated Dual Surface™ (iD) design shapes lenses exclusively for the way your patients see. It's the first to shape a lens design on both the front and back surface. This results in more comfortable transitions between near and far distances, wider viewing zones, and a dramatic reduction in blurring in peripheral vision.

With Binocular Harmonization Technology™ (BHT), iD MyStyle 2 takes into account the differences between right and left prescriptions to balance the design performance. Thus, perfect and effortless focus, constant stability and excellent depth of vision are provided.



**Binocular
Harmonization
Technology**



Position of wear



iD design



Stable view



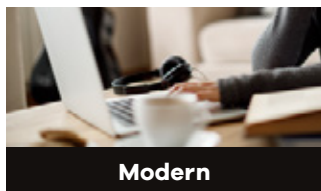
Infinite optics



**4 convenience
options**

4 convenience options

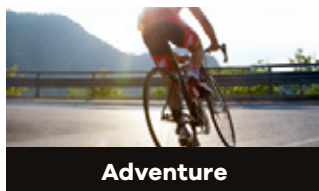
Customizing iD MyStyle 2 lens design just got easier – Choose from 4 convenient profiles to get you on your way to customizing the perfect lens for your patient.



Modern

Indoors/outdoors

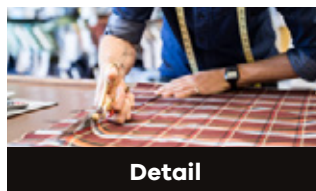
- Anyone who prefers only one pair of lenses for convenience
- No clear preference for specific distance



Adventure

Outdoors

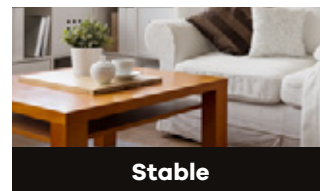
- Outdoor sports and activities
- Teacher/driver
- Walks dog daily
- Clear edge to edge distance



Detail

Indoors

- IT worker/mechanic/accountant
- Close work focus
- Puzzles, crafts, scrap booking, hobbyist



Stable

Indoors

- Experienced wearer
- Senior/sedentary/less active
- Eye gazer
- ST28 to PAL

Hoyalux iD LifeStyle® 3

Things couldn't get any clearer than with iD LifeStyle 3—HOYA's new and improved progressive design that comes with new variations matching your patient's lifestyle. iD LifeStyle 3 is the newest generation of the iD Integrated Dual Side™ (iD) progressive product family.

Design benefits

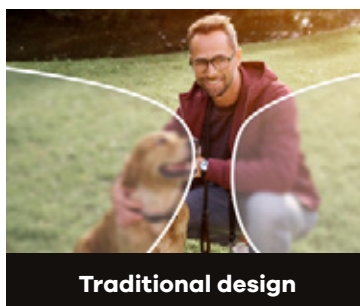
- Optimized visual acuity and a crisper image perception
- Noticeably more relaxed vision thanks to precise focusing
- More accurate correction

Available designs

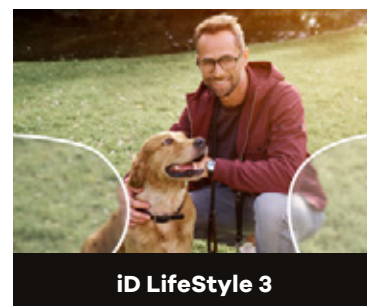
- **iD LifeStyle 3 Indoor:** Designed for presbyopes who spend a lot of their time indoors, looking at digital devices or reading
- **iD LifeStyle 3 Urban:** Designed for presbyopes who are active, always on the go, and also enjoy reading books and using their digital devices
- **iD LifeStyle 3 Outdoor:** Designed for presbyopes who primarily wear their correction for distance use, and still require clear vision to see their phone and other near materials

Now available in polarized options in gray, brown and green

New



Traditional design



iD LifeStyle 3

Simply
outstanding
progressive
lenses

Hoyalux Array® 2

HOYA's best-in-class technologies and quality continue to advance progressive lenses. Array 2 applies HOYA free form backside surfacing technology to virtually any semi-finished single vision lens, in any material, allowing your practice to offer a greater selection of lens options. Array 2 expanded availability makes dispensing multiple pairs of glasses easy.

Available designs

- Hoyalux Array 2
VL, 11, 13, 15, 17
- Hoyalux Array 2 Wrap
VL, 11, 13, 15, 17

Benefits

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

New

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 and further differentiate your brand.

2020 VM
EYEVOTE
READERS' CHOICE 2022

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

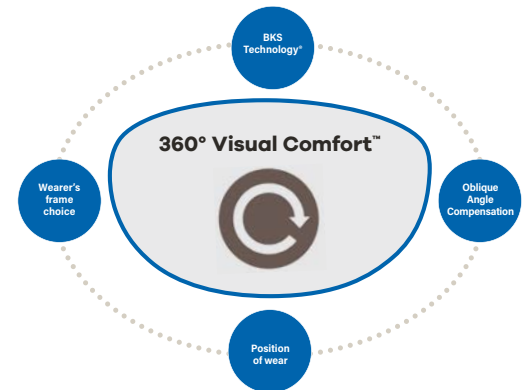


Patients with higher prescriptions who struggle with peripheral distortions in old conventional lenses.

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 fully personalized 360° Visual Comfort™ is achieved by:

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



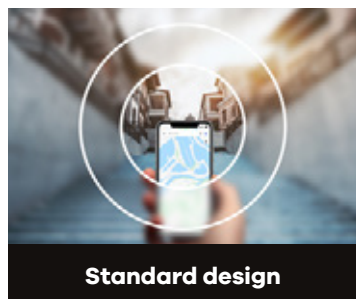
iD Single Vision®

Single vision perfected by HOYA

iD Single Vision is a bi-aspheric single vision lens made possible through HOYA's Integrated Dual Side free form technology that provides expanded peripheral viewing, especially in higher prescriptions.

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



Single Vision iQ™

Single vision lenses

Single Vision iQ combines a spherical front surface single vision lens with HOYA's free form design. Provides custom back surfacing for enhanced optical performance.

Design benefits

- Lens optimized for all prescription powers to enhance visual acuity
- Noticeably reduced distortion, especially in peripheral viewing areas
- Providing OC and monocular PD measurements yields exceptional results

Computer and work lenses

65% of Americans report experiencing symptoms of digital eye strain. 27% of Americans do not know computer eyewear can protect against digital eye strain (DES).*

HOYA builds the bridge between technology and experience with our latest iD lenses designed for your digital lifestyle. The iD Space, Screen and Zoom are shaped on both the front and back surface for unparalleled workspace comfort.



* The Vision Council, Digital Eye Strain Report 2016.



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 up to 15 hours a day.* Digital eye strain symptoms can present themselves in as few as 2 hours of digital screen viewing.† Sync III lenses have a slight power boost design that will support and relax your eye muscles, relieving eye strain to let you 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**

Three 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

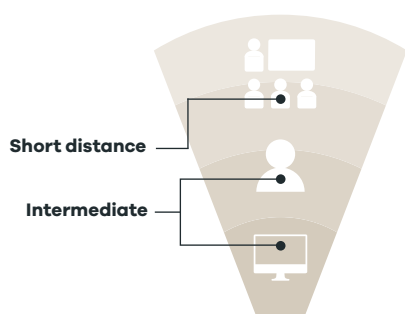
* HOYA Consumer Digital Behavior Study, October 2017.

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





iD SPACE

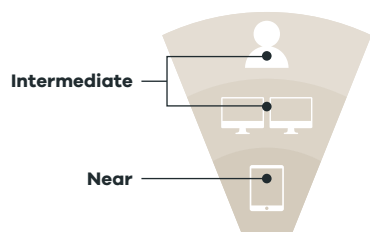


iD Space™

The ideal lens for performing activities where the focus is beyond the distance of a computer screen. This design is ideal for patients who are more mobile in their office environment.

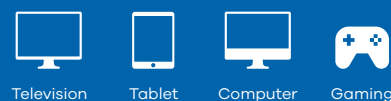


iD SCREEN

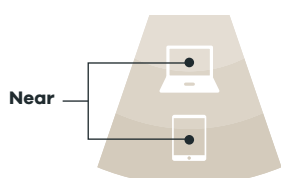


iD Screen™

Best choice for professions requiring maximum clarity at an intermediate distance like those working in stores and offices. This design is ideal for anyone working on dual monitors.



iD ZOOM



iD Zoom™

Perfect for laptop and hobbies requiring high levels of concentration and sharp vision at close range. Providing the widest possible near area and offering clarity at a shortened distance.



Anti-reflective treatments

Super HiVision® EX3+™

The best solution to overcome your patient's hesitation towards AR

HOYA's own in-house produced lens materials and jointly manufactured lenses meet the highest quality standards, all while reducing the most significant annoyances. This treatment is the perfect solution for anyone who is interested in protecting their investment and keeping their lenses in excellent condition all year-round. Based on a special composition of various layers, EX3+ treatment keeps lenses safe and glasses wearers happy, even after years of usage.

Using Super Premium Anti-Reflective (AR) technologies, HOYA has made EX3 better with the addition of backside UV protection.

- Extreme scratch resistance
- Extreme clean vision—oil, water and dirt resistant
- Extreme anti-reflection for maximum visual clarity



Backside UV protection



Improved night time vision



Scratch resistant



Glare resistant



Smudge resistant



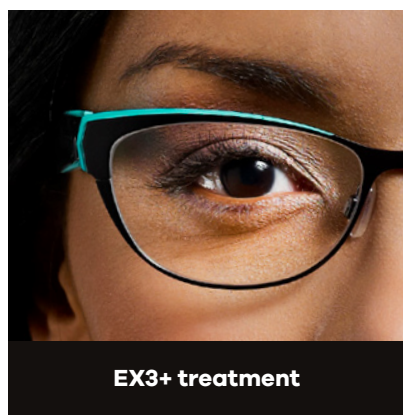
Water resistant



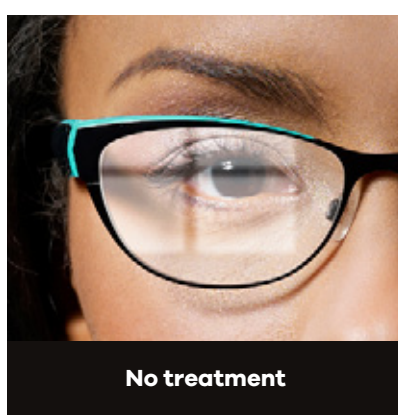
Dust resistant

New

**Finished Single Vision
Super HiVision EX3+
is available in
clear materials
FSV 1.50
Aspheric FSV 1.53
Aspheric FSV 1.59
Aspheric FSV 1.67**



EX3+ treatment



No treatment



Selfie approved

*Independent research study amongst ECPs & consumers from seven countries. Data on file HOYA Vision Care 2019.
2Vision Watch AR consumer (study November 2019)



Super HiVision® EX3™

EX3 guarantees exceptionally clear, relaxed vision while prolonging the life and look of the lenses. It resists fingerprints, water, dirt and smudges. Patients have one common goal...no scratches! Lenses keep pace with the most active lifestyles.

- Extended lens life
- Eliminates reflections and glare – reduces eye fatigue
- Safer nighttime driving
- Resists fingerprints, water, dirt and smudges



Scratch resistant



Glare resistant



Smudge resistant



Substrate Matching Properties (SMP)



HOYA 2-Year Unlimited Guarantee

Recharge®

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

- Filters blue light 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



Blue light filtration



Scratch resistant



Glare resistant



Smudge resistant



Water resistant



Dust resistant

RECHARGE

Super HiVision®

Super HiVision offers your patients superior lens protection—reducing glare and light reflectance.

- Superior scratch resistant AR treatment



Improved night time vision



Scratch resistant



Glare resistant



Smudge resistant



Water resistant



Dust resistant

**SUPER
HiVISION**

Materials



HOYA Phoenix®

The perfect combination of features & benefits

Phoenix is a very strong and reliable material, the ideal choice for your customers and their children when it comes to protecting their eyes. Patients want light-weight lenses along with crisp, clear vision. Only Phoenix delivers that, plus the ultimate combination of toughness and scratch resistance.

Phoenix lenses deliver these advanced technical attributes to protect and preserve the confidence of your patient recommendation.



**Hard Coat
and AR Stack
Compatibility**



**Lower Remake
Rate**



**Fewer Edging
Errors**



**Differentiate
Your Practice from
Competitors**



**Improve Patient
Satisfaction and
Capture Rates**



**No CA Prop 65
Labeling Required**



**Unlock the Full
Power HOYA DNA**



**Chemical
Resistance**



**Resistance to
Stress Cracks**



**Free from
Internal Stress**

For your patients, Phoenix lenses uniquely provide this exceptional combinations of benefits:

	Safe & Tough: A lens material 60-times safer than plastic protects eyes from impact	60X FDA Standard
	UV Protection: Blocking the sun's harmful ultra-violet rays protects long-term vision health	100% UVA/UVB Protection
	Clear Vision: Superior optical quality protects eyes from fatigue and preserves sharp vision	Abbe Number 43
	Light Weight: The lightest lens material available preserves all-day eyewear comfort	Density 1.11g/cm³

**Freedom of Choice
Pick Any Style**

Uniquely compatible with all eyeglass styles. The choice of eyeglass frames is unlimited.

Fewer Cut-Out Issues



HOYA Materials

1.59

Thinner and lighter than regular plastic lenses.

Lens features

- Impact resistant
- Light
- UV protection

1.67

Exceptionally thin, strong and light design with superior optical clarity.

Lens features

- Exceptionally thin
- 25% flatter than 1.60 or poly
- 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

1.60

Premium-performing high-index lens material.

Lens features

- Very thin and lightweight
- Extremely strong and flexible
- UV protection

1.70

Ultra-high index material and unprecedented optical performance.

Lens features

- Extremely thin and lightweight
- 1.0 center thickness (minus lenses)
- 100% UV blocking up to 400nm

Clear Blue Filter®

High energy visible light protection in a clear, everyday polycarbonate lens.

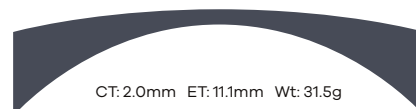
Lens features

- 100% UV blocking up to 400nm
- Filters the most damaging, highest energy blue light
- Uncompromisingly clear lenses



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 1.70

-6.00



High-Index 1.74

-6.00



All data quoted for minus powers is for 65mm diameter lenses, and all data quoted for plus powers is for 60mm 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 For Every Need.

From light-adaptive and polarized lenses to fashionable tints and mirror coatings, and everything in between.

As a Visionary, you strive to provide your patients with the best solutions to fit their everyday needs. With HOYA, every need can now be met with a sun solution. Your patients no longer have to compromise function for fashion or experience discomfort from uncomfortable light outdoors. Enhance their visual comfort, performance, and outdoor

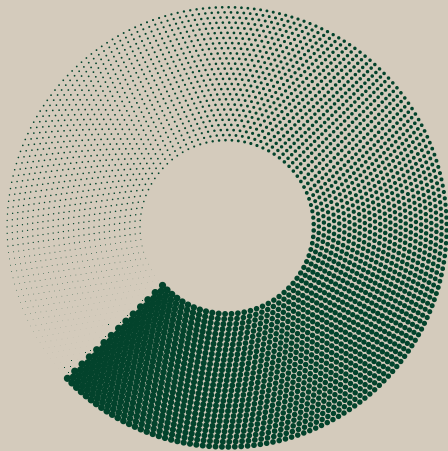
protection with sunwear in fashionable styles with a complete range of UV-protection products to suit all of your patients' needs.

As a true business partner, we don't just provide you with a comprehensive sun portfolio, but also with extensive support to help grow your business.



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***

*Stabilight Technology does not apply to Sensity Fast.

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



SENSITY

2

Stand out with faster speed

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

Patient benefits:

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



SENSITY

FAST

Stand out with extra performance

Sensity® Dark lenses are engineered for outdoors 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



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



SENSITY

SHINE

*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 cuts 99.0% of UV. Internal assessment by HVC R&D Laboratories.

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



The brand patients know and trust.

Offer them the ultimate protection under the sun.

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.

Coppertone® polarized lenses offer at least **1.6 times higher** High Energy Visible light protection versus standard polarized lenses.¹



100%
UVA and UVB
protection



Up to 97%
Reduction in blind
glare²



3 unique colors
that do not distort color
perception



Utilizes a patented
manufacturing
technology



Coppertone Gray



Coppertone Brown



Coppertone Green

¹ Coppertone HEV Gray polycarbonate lens vs standard 1.50 polarized gray lens between 380nm-460nm

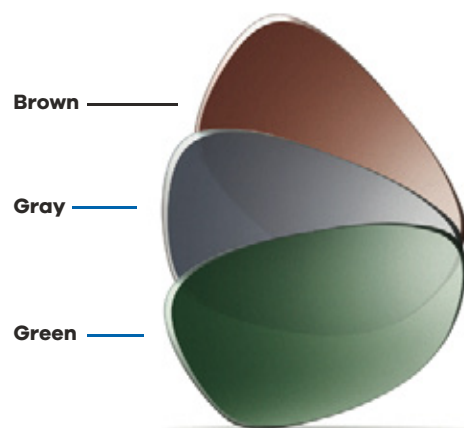
² HEV brown lenses

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

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

Features

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



HOYA Diamond Tint lenses meet consumer needs for function and fashion.

HOYA's variety of Diamond Tint lenses let you further enhance the solutions you offer your patients for a range of activities. From sports to driving and everything in between, your customers will be able to add a pop of color with functional tints to meet each individual need and lifestyle.

HOYA's Diamond Tint Lens colors work in combination with all frames as well as with a broad range of HOYA designs and treatments.

Benefits:

- 100% UV Protection from the sun
- Clarity and crispness of color are unbeatable – HOYA's pressurized pore processing application prevents fading for long lasting color
- Tint color will not change with HOYA anti-reflective treatments



Add Mirrors to HOYA's Polarized solutions for the best of both worlds.

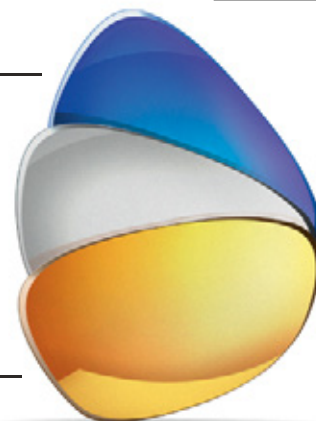
With HOYA's mirror coatings now available in 16 eye-catching colors, you can give your patients the chance to express their personality and style, while reducing the discomfort caused by glare from the sun. HOYA mirror coatings are the perfect combination of high fashion and function for those bright days in the sun.

Flash Colors

FBM - Flash Blue Mirror

FSM - Flash Silver Mirror

FGM - Flash Gold Mirror



Product comparison chart

HOYA lens designs		HOYA concept and benefits	Vision plan competitive comparisons
iD	iD MyStyle® 2	<ul style="list-style-type: none"> The pinnacle of personalization with unlimited design variations Utilizes an interactive consultation program to gather patient information, lifestyle requirements and wearing preferences to create a lens that is uniquely personalized Incorporates 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 four convenience options: Modern, Detail, Adventure, Stable 	<ul style="list-style-type: none"> Shamir Autograph® Intelligence™ Varilux® X 4D Unity® Via Elite II
iD	iD LifeStyle® 3	<ul style="list-style-type: none"> Binocular Harmonization Technology takes into account the differences between right and left prescription to balance the design performance 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 Fully integrates both surfaces using View Xpansion Technology™ to minimize aberration Three designs: Indoor, Urban, Outdoor Option for position of wear measurements 	<ul style="list-style-type: none"> Shamir Autograph® III Varilux® X Fit Zeiss® Progressive Individual® 2 Unity® PLXpression
iD	iD Space™, iD Screen™, iD Zoom™	<ul style="list-style-type: none"> Relieves symptoms related to digital eye strain (DES) iD Space: The ideal lens for performing activities where the focus is beyond the distance of a computer screen iD Screen: The best choice for professions requiring maximum clarity at an intermediate distance like those working in stores and offices iD Zoom: Perfect for laptop and hobbies 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	Summit® ecp BKS Summit® cd BKS	<ul style="list-style-type: none"> Design symmetry of nasal and temporal zones for: increased viewing comfort, better binocular vision, and reduction of uncomfortable feelings while in motion Effortless transition between zones to allow for more natural head and eye movement Summit cd BKS for smaller frames 	<ul style="list-style-type: none"> Varilux® Physio® DRx Varilux® Comfort Max Zeiss® Progressive Choice Shamir Spectrum+™ Unity® PLXtra
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

Product comparison chart

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	New 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
iQ	Single Vision iQ™	<ul style="list-style-type: none"> Backside design technology Visual optimization for all powers Calculated visual acuity at every point on the lens Wider, clearer visual field in all directions of sight 	<ul style="list-style-type: none"> Essilor 360™ Single Vision Zeiss® SmartLife SV Shamir Smart SV™ Unity® SVx
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) and Sync III 13 (+1.32D) 	<ul style="list-style-type: none"> Shamir Relax™ Essilor Eyezen® + 1, 2, 3 Zeiss® SmartLife Digital Lens Zeiss® EnergizeMe® SV Unity® Relieve 50/70
BKS	Tact® 40/60 BKS	<ul style="list-style-type: none"> Relieves symptoms related to digital eye strain (DES) Provides extended focus lens design for near and intermediate viewing zones Delivers exceptionally wide intermediate and near viewing zones with optimized periphery 	<ul style="list-style-type: none"> Shamir Autograph® II-Office™ Zeiss® Synchrony® Access Unity® Via OfficePro 5/10 FT

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 back lit displays Includes the same scratch and smudge resistance benefits as EX3+ Substrate Matching Technology 	<ul style="list-style-type: none"> Crizal® Previncia™ Zeiss® Duravision® BlueProtect TechShield® Blue
	Super HiVision EX3® Family (EX3+, EX3)	<ul style="list-style-type: none"> Super HiVision EX3+: UV protection from backside reflections for eyes and surrounding skin Super HiVision EX3 and EX3+ include: <ul style="list-style-type: none"> Extreme scratch resistance, the only lens treatment that outperforms glass 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"> Superior scratch resistance Exceptional smudge resistance Includes View Protect & Substrate Matching Technology 	<ul style="list-style-type: none"> Crizal® Avancé™ UV Zeiss® DuraVision® Silver
	HiVision® View Protect®	<ul style="list-style-type: none"> Front and back 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 Shine, Sensity Dark)	<ul style="list-style-type: none"> Stabilight Technology™ ensures consistent performance in different climates and seasons 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 only) 	<ul style="list-style-type: none"> Transitions™ Signature® Gen 8™ Transitions® XTRActive® New Generation Zeiss® PhotoFusion®
	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 Sensity family 	<ul style="list-style-type: none"> Unity® SunSync® Elite II

Lens availability charts

Free Form Progressives	Hoyalux iD MyStyle® 2	Hoyalux iD LifeStyle® 3*	Hoyalux Array® 2	Hoyalux Array® 2 Wrap	Amplitude® HD3/Mini
Minimum Fitting Height	Personalized to frame 14mm	18mm/14mm	21mm/19mm/17mm/14mm	21mm/19mm/17mm/14mm	18mm/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 +3.50)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-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 +3.50)
		-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.00) ●●●	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	
Plastic 1.50 Sensity® 2	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD
Plastic 1.50 Transitions®		-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-5.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X/XPG	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X
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 +3.50)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-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 +3.50)
			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	
Phoenix® 1.53 Coppertone®		-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +3.00) ●●●	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	
Phoenix® 1.53 Polarized					
Phoenix® 1.53 Sensity® 2	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD
Phoenix® 1.53 Transitions®		-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X	-5.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X
BluTech 1.56 (Indoor/Outdoor)			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	
Poly 1.59	-6.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.00)	-6.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.00)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.00)
			-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	
Clear Blue Filter 1.59		-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-6.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.00) ●
Poly 1.59 Polarized			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●	
Poly 1.59 Coppertone®					
Poly 1.59 Sensity® 2	-6.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.00) ●●/SD	-6.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.00) ●●●●/SD	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-6.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.00) ●●●●/SD
Poly 1.59 Transitions®		-6.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.00) ●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-6.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X/XPG	-6.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.00) ●
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 +3.50)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)
Hi-Index 1.60 Sensity® 2	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-11.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-10.00 to +6.00 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
Hi-Index 1.60 Transitions®			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-6.00 to +4.00 Cyl. to -4.00 (+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 +3.50)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)
Hi-Index 1.67 Polarized		-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.00) ●●●	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	
Hi-Index 1.67 Sensity® 2	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SD
Hi-Index 1.67 Transitions®		-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-6.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X/XPG	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50) ●●
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 +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)

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 polarized lenses come with iD technology.

Lens availability charts

Free Form Progressives	Hoyalux Array®	Hoyalux Array® Wrap	Hoyalux Summit® ecp/cd BKS	Amplitude® BKS/Mini	HOYA GP Wide™
Minimum Fitting Height	21mm/19mm/17mm/14mm	21mm/19mm/17mm/14mm	19mm/14mm	19mm/14mm	18mm
Plastic 1.50	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-5.00 to +4.00 Cyl. to -6.00 (+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)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)
Plastic 1.50 Polarized	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●●
Plastic 1.50 Sensity® 2	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS
Plastic 1.50 Transitions®	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-5.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X/XPG	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG
Phoenix® 1.53	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-5.00 to +4.00 Cyl. to -6.00 (+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)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)
Phoenix® 1.53 Coppertone®	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-5.00 to +4.00 Cyl. to -6.00 (+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) ●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●
Phoenix® 1.53 Polarized	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-10.00 to +4.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●
Phoenix® 1.53 Sensity® 2	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS
Phoenix® 1.53 Transitions®	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X	-5.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●/X
BluTech 1.56 (Indoor/Outdoor)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-5.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)		
Poly 1.59	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)
Clear Blue Filter 1.59	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)
Poly 1.59 Polarized	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●●
Poly 1.59 Coppertone®	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-6.00 to +4.00 Cyl. to -6.00 (+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) ●●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●
Poly 1.59 Sensity® 2	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS
Poly 1.59 Transitions®	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-6.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X/XPG	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG
Hi-Index 1.60	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+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)	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)
Hi-Index 1.60 Sensity® 2	-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	-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®	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-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) ●●	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●
Hi-Index 1.67	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50)
Hi-Index 1.67 Polarized	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●	-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●
Hi-Index 1.67 Sensity® 2	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-6.00 to +4.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SF/SD/SS
Hi-Index 1.67 Transitions®	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-6.00 to +4.00 Cyl. to -4.00 (+0.75 to +3.50) ●●/X/XPG	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XPG
Hi-Index 1.74	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)	-6.00 to +4.00 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 +3.50)	-13.00 to +8.00 Cyl. to -6.00 (+0.75 to +3.50)

X = Transitions® XTRActive® New Generation XPG = Transitions® XTRActive® Polarized™ Gray SF = Sensity® Fast Gray & Brown SD = Sensity® Dark SS = Sensity® Shine

Lens availability charts

Premium SV, Bifocal
& New Media Optics

iD Single Vision®

New MySV™
Single Vision
iQ™/SV

ST28 iQ™/ST28

iD Space™, iD
Screen™, iD Zoom™

Tact®
40/60 BKS

Sync III™

Minimum Fitting Height				Personalized to frame 18mm	18mm	
Plastic 1.50		-10.00 to +10.00 Cyl. to -6.00	-10.00 to +6.00 Cyl. to -4.00 (+0.75 to +3.50)	-8.00 to +5.00 Cyl. to -6.00 (+1.00 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
Plastic 1.50 Polarized		-10.00 to +4.00 Cyl. to -6.00 ●●●				-10.00 to +6.00 Cyl. to -6.00 ●●●
Plastic 1.50 Sensity® 2		-10.00 to +4.00 Cyl. to -6.00 ●●●/SF/SD/SS		-8.00 to +5.00 Cyl. to -6.00 (+1.00 to +3.50) ●●●●	-8.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-8.00 to +6.00 Cyl. to -6.00 ●●●●/SF/SD/SS
Plastic 1.50 Transitions®		-8.00 to +9.00 Cyl. to -4.00 ●●/X/XP	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.00) ●●/X		-10.00 to +3.75 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XP	-10.00 to +6.00 Cyl. to -6.00 ●●/X/XP
Phoenix® 1.53		-13.00 to +9.00 Cyl. to -6.00	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.00) ●●/X	-8.00 to +5.00 Cyl. to -6.00 (+1.00 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
Phoenix® 1.53 Coppertone®		-13.00 to +9.00 Cyl. to -6.00 ●●●				-10.00 to +6.00 Cyl. to -6.00 ●●●
Phoenix® 1.53 Polarized		-12.00 to +6.00 Cyl. to -6.00 ●●●				-10.00 to +4.50 Cyl. to -6.00 ●●●
Phoenix® 1.53 Sensity® 2		-13.00 to +9.00 Cyl. to -6.00 ●●●/SF/SD/SS		-8.00 to +5.00 Cyl. to -6.00 (+1.00 to +3.50) ●●●●/SD/SS	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-10.00 to +6.00 Cyl. to -6.00 ●●●●/SF/SD/SS
Phoenix® 1.53 Transitions®		-13.00 to +9.00 Cyl. to -4.00 ●●/X	-9.00 to +7.00 Cyl. to -4.00 (+1.00 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 ●●/X
BluTech 1.56 (Indoor/Outdoor)		-8.00 to +7.00 Cyl. to -6.00			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-10.00 to +6.00 Cyl. to -6.00
Poly 1.59		-10.00 to +6.00 Cyl. to -6.00	-8.00 to +6.00 Cyl. to -4.00 (+1.00 to +3.00)		-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00
Clear Blue Filter 1.59		-10.00 to +6.00 Cyl. to -6.00			-13.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +6.00 Cyl. to -6.00
Poly 1.59 Polarized		-9.00 to +6.00 Cyl. to -6.00 ●●●				-13.00 to +6.00 Cyl. to -6.00 ●●●
Poly 1.59 Coppertone®		-9.00 to +6.00 Cyl. to -6.00 ●●●				-13.00 to +6.00 Cyl. to -6.00 ●●●
Poly 1.59 Sensity® 2		-9.00 to +6.00 Cyl. to -6.00 ●●●/SF/SD/SS			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-13.00 to +6.00 Cyl. to -6.00 ●●●●/SF/SD/SS
Poly 1.59 Transitions®		-6.00 to +6.00 Cyl. to -4.00 ●●/X/XP			-13.00 to +5.25 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XP	-13.00 to +5.25 Cyl. to -6.00 ●●/X/XP
Hi-Index 1.60	-10.00 to +8.00 Cyl. to -6.00	-13.00 to +8.00 Cyl. to -6.00		-11.00 to +7.00 Cyl. to -6.00 (+1.00 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
Hi-Index 1.60 Sensity® 2	-10.00 to +8.00 Cyl. to -6.00 ●●●●/SD/SS	-13.00 to +6.50 Cyl. to -6.00 ●●●●/SD/SS		-10.00 to +6.00 Cyl. to -6.00 (+1.00 to +3.50) ●●●●	-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 ●●●●/SD/SS
Hi-Index 1.60 Transitions®		-10.00 to +8.00 Cyl. to -4.00 ●●			-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●	-10.00 to +6.00 Cyl. to -6.00 ●●
Hi-Index 1.67	-15.00 to +10.00 Cyl. to -6.00	-15.00 to +8.00 Cyl. to -6.00		-13.00 to +7.00 Cyl. to -6.00 (+1.00 to +3.50)	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50)	-13.00 to +7.50 Cyl. to -6.00
Hi-Index 1.67 Polarized		-15.00 to +10.00 Cyl. to -6.00 ●●●				-13.00 to +6.00 Cyl. to -6.00 ●●●
Hi-Index 1.67 Sensity® 2	-15.00 to +10.00 Cyl. to -6.00 ●●●●/SD/SS	-15.00 to +8.00 Cyl. to -6.00 ●●●●/SF/SD/SS		-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SS	-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●●●/SF/SD/SS	-13.00 to +7.50 Cyl. to -6.00 ●●●●/SF/SD/SS
Hi-Index 1.67 Transitions®		-10.00 to +8.00 Cyl. to -4.00 ●●/X/XP			-13.00 to +7.50 Cyl. to -6.00 (+0.75 to +3.50) ●●/X/XP	-13.00 to +7.50 Cyl. to -6.00 ●●/X/XP
Hi-Index 1.74	-15.00 to +10.00 Cyl. to -6.00 (1.70)	-15.00 to +10.00 Cyl. to -6.00 (1.70)				-13.00 to +8.00 Cyl. to -6.00 (1.74)

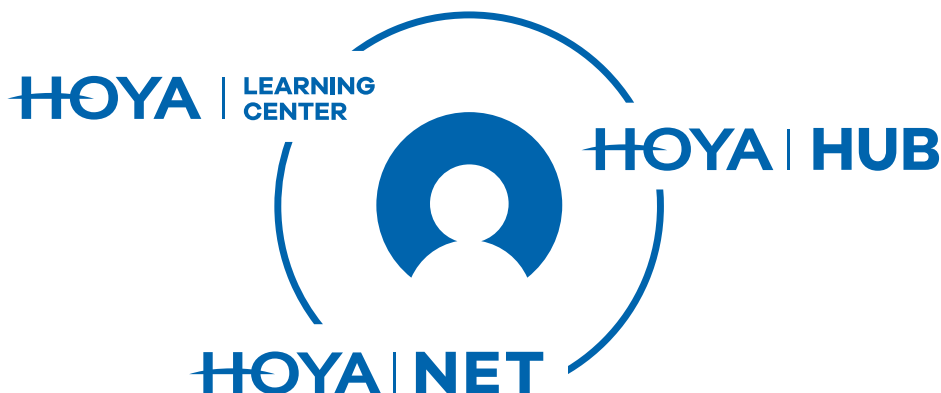
X = Transitions® XTRActive® New Generation XPG = Transitions® XTRActive® Polarized™ Gray SF = Sensity® Fast Gray & Brown SD = Sensity® Dark SS = Sensity® Shine

AR compatibility guide

Key		EX3+ & EX3				Recharge [®]				Super HiVision				HiVision w/VP							
Warranty		2 Years/unlimited				2 Years/unlimited				2 Years/unlimited				2 Years/2 times							
Designs		Plastic	Plastic Sensity [®] 2	Plastic Transitions [®]	Plastic Polarized	Phoenix [®]	Phoenix Sensity [®] 2	Phoenix Transitions [®]	Phoenix Polarized	Poly	Poly Sensity [®] 2	Poly Transitions [®]	Poly Polarized	Hi Index	Hi Index Sensity [®] 2	Hi Index Transitions [®]	Hi Index	Hi Index Sensity [®] 2	Hi Index Transitions [®]	Hi Index	
		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	1.67	1.67	1.67	1.74
<div>Hoyalux iD MyStyle[®] 2</div> <div>Hoyalux iD LifeStyle[®] 3</div> <div>Hoyalux Array[®] 2/W**</div> <div>iD Space™ iD Screen™ iD Zoom™</div> <div>Tact[®] 40/60 BKS</div> <div>Sync III™</div> <div>iD Single Vision™</div> <div>MySV™ Single Vision iQ™</div> <div>ST28 iQ™</div>		<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>
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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	1.66 1.67	1.66 1.67	1.66 1.67	1.70	
<div>SV</div> <div>Aspheric-SV</div> <div>ST28</div> <div>ST35</div> <div>RD22</div> <div>RD24</div> <div>STT7X28</div> <div>STT8X35</div>		<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>
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*Recharge, Super HiVision EX3+ and Super HiVision automatically include the View Protect Performance.
 **Array 2 Wrap 1.74 only available in PAV or PAR.

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