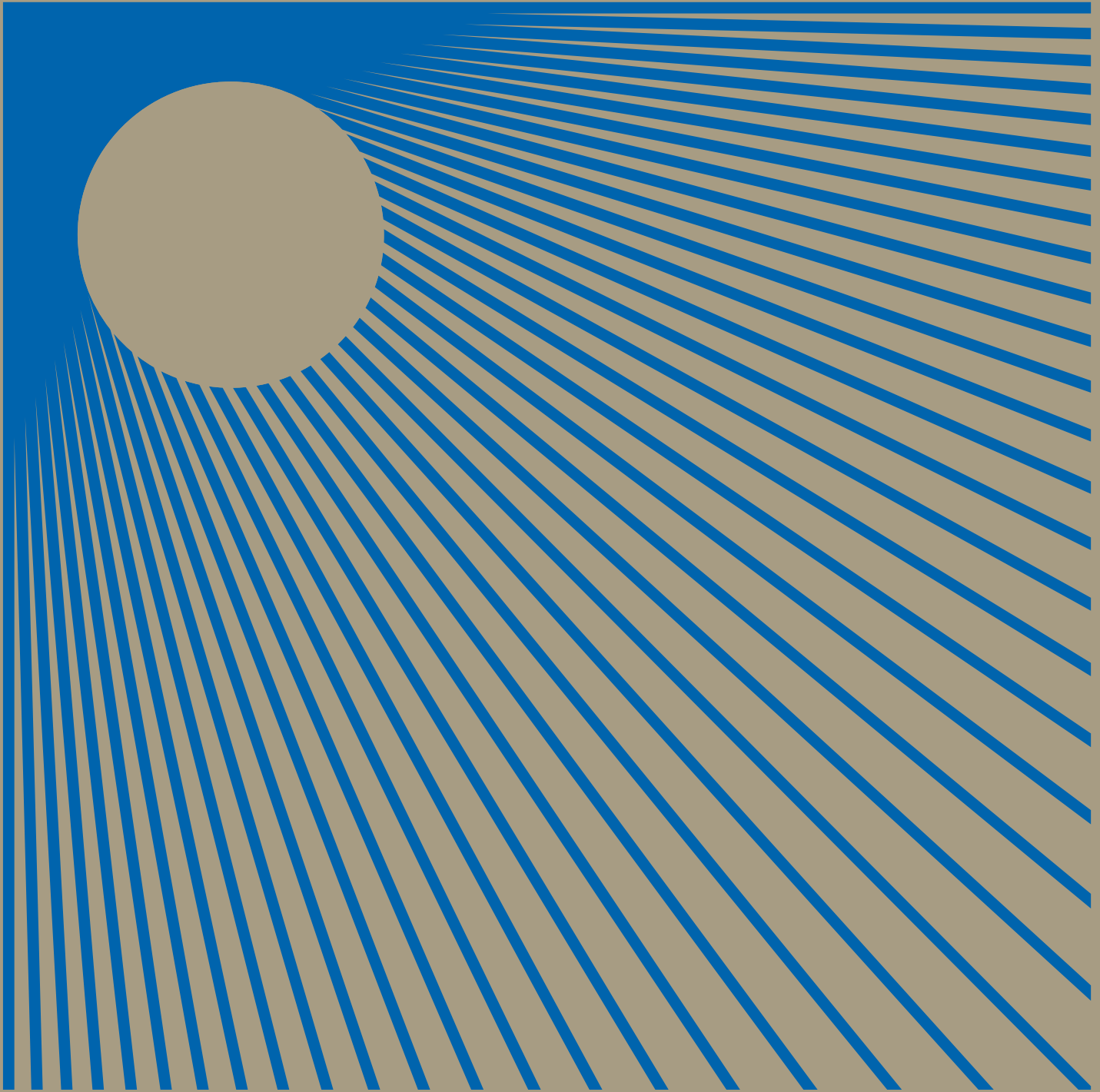


**Protecting eyes from  
sunup to sundown.**



**Sensity Family® | Coppertone® | Polarized | Mirrors | Diamond Tint®**

**HOYA**  
FOR THE VISIONARIES

# 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.



# SENSITY

## FAMILY



## The full Sensity® family

**For limitless lifestyles.**

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

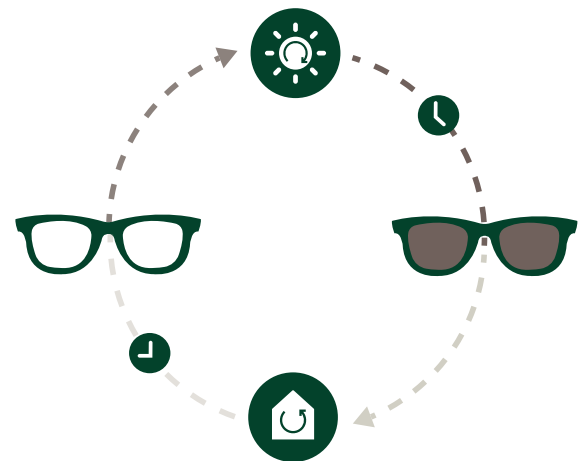
- Consistent performance in different climates and light conditions, thanks to Stabilight Technology™<sup>1</sup>
- Outstanding contrast and glare reduction with Sensity's deep, natural colors
- Reduced glare when activated
- 100% protection against UV rays<sup>2</sup>
- Blue light protection indoors and outdoors<sup>3</sup>

<sup>1</sup> Based on internal and external photochromic activation and deactivation measurements taken at different temperature levels.

<sup>2</sup> Stabilight Technology does not apply to Sensity Fast.

<sup>3</sup> All Sensity lenses provide 100% UV protection. Internal assessment by HVC R&D Laboratories.

<sup>3</sup> Based on internal testing of average light transmission between 381nm-500nm compared to standard clear lens.





# 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 fade back speed and darkness for most patients
- Darkens to a dark category 3 sun tint
- Extremely clear indoors



Silver Gray



Bronze Brown



Emerald Green



Oceanic Blue



# SENSITY

## FAST

# Faster speed.

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

### Patient benefits:

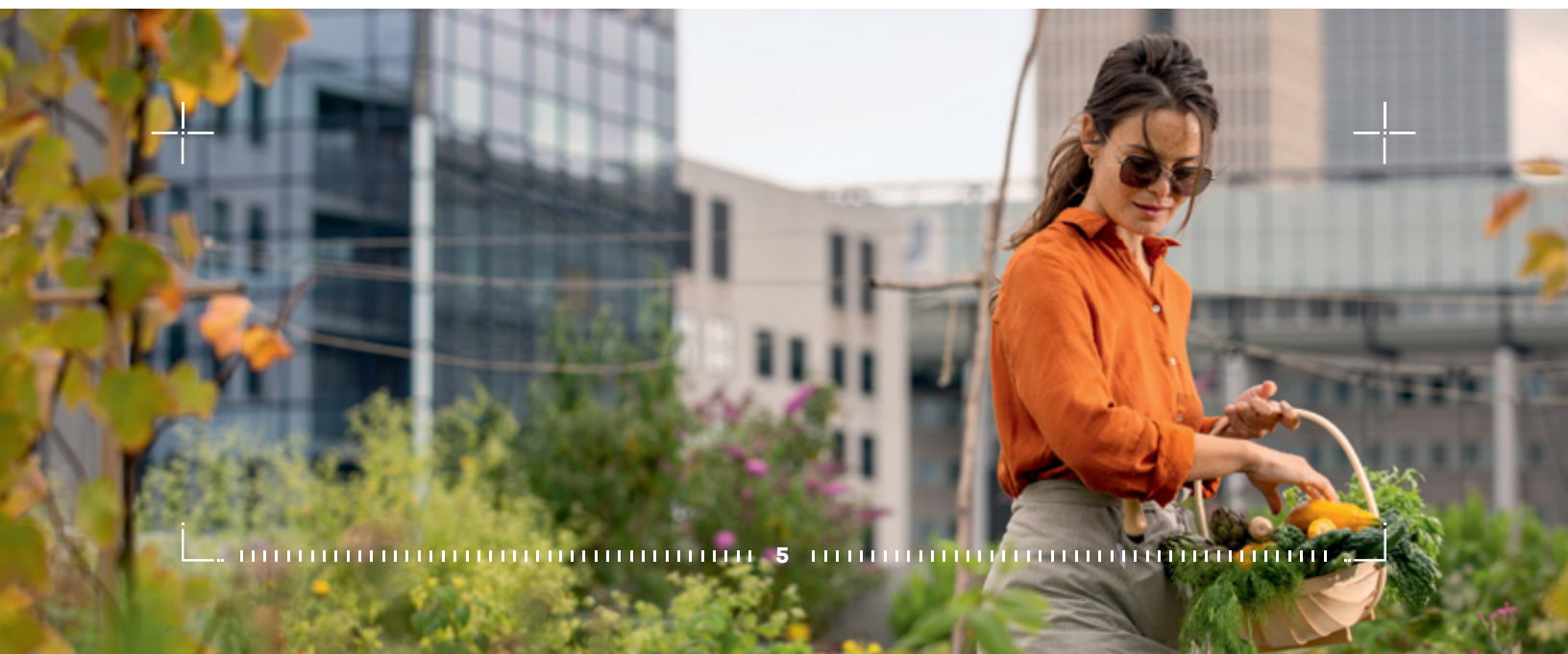
- Best balance of fadeback speed and darkness for most patients
- Darkens to a dark category 2 sun tint
- Extremely clear indoors



Silver Gray



Bronze Brown



# SENSITY

## DARK

## 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



Silver Gray



Bronze Brown



Emerald Green





# SENSITY

## SHINE

## 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® Family Ordering Instructions

---

## Sensity 2

**PHONE ORDERS:** Specify Sensity 2 Gray, Brown, Green or Blue

**EYECONNECT:** Under Lens Color in the dropdown select 2GY – Sensity 2 Gray, 2BN – Sensity 2 Brown, 2GN – Sensity 2 Green or 2BL – Blue

---

## Sensity Fast

**PHONE ORDERS:** Specify Sensity FAST Gray, Brown or Green

**EYECONNECT:** Under Lens Color in the dropdown select FGY – Sensity FAST Gray, FBN – Sensity FAST Brown

---

## Sensity Dark

**PHONE ORDERS:** Specify Sensity DARK Gray, Brown or Green

**EYECONNECT:** Under Lens Color in the dropdown select DGY – Sensity DARK Gray, DBN – Sensity DARK Brown or DGN – Sensity DARK Green

---

## Sensity Shine

**PHONE ORDERS:** Specify Sensity SHINE Gray, Brown or Green


**EYECONNECT:** Under Lens Color in the dropdown select DGY – Sensity DARK Gray, DBN – Sensity DARK Brown or DGN – Sensity DARK Green and in coats section under AR select SHN from the dropdown menu. (Sensity Shine is ONLY available with Sensity Dark Lens Colors)

**Note:** Sensity 2 is the default Sensity lens choice when referred to as Sensity with no product specification.





## We're here to help you keep your patients protected from the sun.


HOYA offers a complete range of UV product to suit all your patients' needs. Help your patients enjoy the sun without glare.




HOYA DIAMOND TINT®




- 


**Long Lasting Performance**
- 


**Maintains core color consistency**
- 


**Pressurized pore processing application**




# POLARIZED






- 


**Supreme visual performance**
- 

**Contrast rich vision**
- 

**98% polarized efficiency**



- 

**Trusted Health Performance**
- 

**Protects skin surrounding the eye from the sun's harmful effects**
- 1.6X**

**High Energy Visible light protection**



# 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.<sup>1</sup>



**100%**  
UVA and UVB  
protection



**Up to 97%**  
Reduction in blind  
glare<sup>2</sup>



**3 unique colors**  
that do not distort  
color perception



**Utilizes a patented**  
manufacturing  
technology



**Coppertone Gray**



**Coppertone Brown**



**Coppertone Green**

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

<sup>2</sup> HEV brown lenses





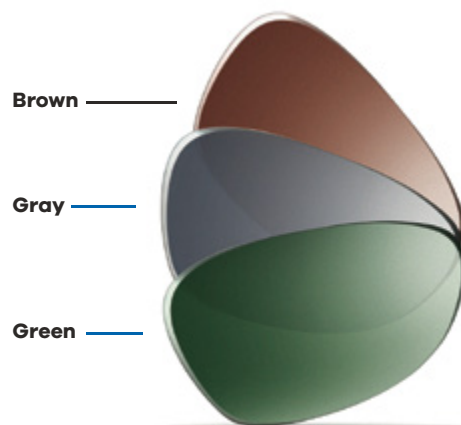
POLARIZED



## More vision comfort, less light glare.

**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.



**POLARIZED****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®

# Colorful summers need colorful lenses.

## 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





HOYA DIAMOND TINT®

**Quality, Consistency, and Fashion  
all come together with HOYA's  
new Diamond Tints.**

Tinted sun wear has become an indispensable part of a person's lifestyle and personality. HOYA offers a wide variety of choice of color to perfectly express your style.

**Available in a total of 77 different colors,  
including these popular options:**



HDT-GRY-FC-85



HDT-BRN-FC-85



HDT-GRN-FC-75



HDT-BLU-FC-25



HDT-GRY-FC-75



HDT-BRN-FC-75



HDG-GRN-GR-75



HDT-BLU-FC-15



HDT-GRY-FC-50



HDT-BRN-FC-50



HDG-GRN-GR-25



HDT-AMY-FFC-15



HDT-GRY-FC-25



HDT-BRN-FC-25



HDT-GRN-FC-15



HDT-ROS-FC-10



# Mirrors. More than a fashion add-on.

## **Optimal sun protection reflects the light away from the lens surface.**

Available in both prescription and non-prescription, HOYA's Mirrored lenses can now be part of the wearer's personal lifestyle, accessorizing their everyday look and protecting against the sun's harmful UV rays.

## **Benefits:**

- 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

# MIRROR

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

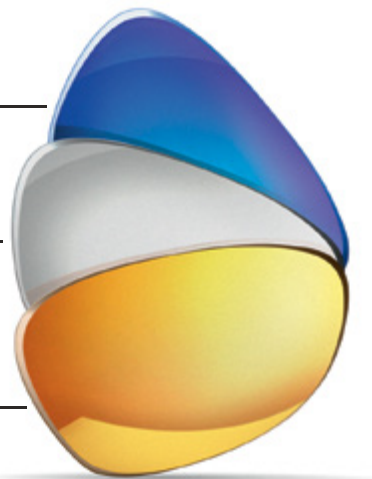
With HOYA's mirror coatings now available in 14 eye-catching colors, you can give your patients the chance to express their personality and style, while reducing the discomfort caused by glare from the sun. HOYA mirror coatings are the perfect combination of high fashion and function for those bright days in the sun.

### Flash Colors

FBM - Flash Blue Mirror

FSM - Flash Silver Mirror

FGM - Flash Gold Mirror



### Other Colors



SLM - Silver Mirror



BLM - Blue Mirror



GDM - Gold Mirror



RGM - Rose Gold Mirror



RRM - Red Mirror



GRM - Green Mirror



RDM - Ruby Mirror



LBM - Light Blue Mirror



CPM - Light Copper Mirror



LVM - Light Violet Mirror



TEA - Aquamarine Mirror





# Sun Portfolio Ordering Instructions

---



## Coppertone®

**PHONE ORDERS:** Specify Coppertone when placing your phone order.

**EYECONNECT:** Under lens color in the drop down select CTG – Coppertone Gray, CTB – Coppertone Brown or CTR – Coppertone Green

---

## Polarized

**PHONE ORDERS:** Specify Polarized color when placing your phone order.

**EYECONNECT:** Under lens color in the drop down select GYC – Gray 3 standard, BNC – Brown 3 standard or G15 – Green 15 standard.

---

## Diamond Tint®

**PHONE ORDERS:** Specify Diamond Tint and color when placing your phone order.

**EYECONNECT:** Under tint drop down select HDT for Solid or HDG for gradient and add color verbiage under Tint Description.

**Example:** For a solid gray 3 (75%) select HDT in tint drop down and include HDT-FC-75 color code in the description.

---

## Standard Tint

**PHONE ORDERS:** Specify HOYA Tint and color when placing your phone order.

**EYECONNECT:** Under tint drop down select SOL for Solid, GRD for Gradient or MGD for Multi-Gradient and add color verbiage under Tint Description.

**Please use the HDT naming convention for the desired tint color when available.**

# 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)	
Plastic 1.50 Polarized		-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 -6.00 (+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)	
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) ●●		
Phoenix® 1.53 Polarized		-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 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 -6.00 (+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)	
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)		
Poly 1.59 Polarized		-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 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) ●●●		
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
<b>Plastic 1.50</b>	-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)
<b>Plastic 1.50 Polarized</b>	-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) ●●●
<b>Plastic 1.50 Sensity® 2</b>	-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
<b>Plastic 1.50 Transitions®</b>	-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
<b>Phoenix® 1.53</b>	-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)
<b>Phoenix® 1.53 Coppertone®</b>	-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) ●●
<b>Phoenix® 1.53 Polarized</b>	-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) ●●●
<b>Phoenix® 1.53 Sensity® 2</b>	-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
<b>Phoenix® 1.53 Transitions®</b>	-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
<b>BluTech 1.56</b> (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)	-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)
<b>Poly 1.59</b>	-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)
<b>Clear Blue Filter 1.59</b>	-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)
<b>Poly 1.59 Polarized</b>	-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) ●●●
<b>Poly 1.59 Coppertone®</b>	-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) ●●●
<b>Poly 1.59 Sensity® 2</b>	-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
<b>Poly 1.59 Transitions®</b>	-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
<b>Hi-Index 1.60</b>	-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)
<b>Hi-Index 1.60 Sensity® 2</b>	-10.00 to +6.00 Cyl. to -6.00 (+0.75 to +3.50) ●●●/SD/SS	-6.00 to +4.00 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
<b>Hi-Index 1.60 Transitions®</b>	-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) ●●
<b>Hi-Index 1.67</b>	-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)
<b>Hi-Index 1.67 Polarized</b>	-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) ●●●
<b>Hi-Index 1.67 Sensity® 2</b>	-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
<b>Hi-Index 1.67 Transitions®</b>	-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
<b>Hi-Index 1.74</b>	-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™
					Personalized to frame 18mm	18mm	
Minimum Fitting Height							
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 (+0.75 to +3.50)	-13.00 to +8.00 Cyl. to -6.00 (1.74)		-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 Technology Reference 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
Hoyalux iD MyStyle® 2	■	■			■	■			■	■			■	■		■	■		■
Hoyalux iD LifeStyle® 3	■	■	■		■	■	■		■	■	■	■	■	■	■	■	■	■	■
Hoyalux Array® 2/W**	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
iD Space™					■	■							■			■			
iD Screen™					■	■							■			■			
iD Zoom™					■	■							■			■			
Tact® 40/60 BKS	■	■	■		■	■	■		■	■	■		■	■	■	■	■	■	■
Sync III™	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
iD Single Vision™													■	■		■	■		■
MySV™ Single Vision iQ™ <span style="background-color: black; color: white; border-radius: 50%; padding: 2px;">New</span>	■	■	■	■	■	■	■	■	■	■	■	■		■		■	■	■	■
ST28 iQ™	■		■		■		■					■							
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
SV	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Aspheric-SV	■		■		■	■	■		■		■	■	■	■	■	■	■	■	■
ST28	■		■	■	■		■		■										
ST35	■			■					■										
RD22	■																		
RD24	■		■																
STT7X28	■		■	■					■										
STT8X35	■		■	■					■										

\*Recharge, Super HiVision EX3+ and Super HiVision automatically include the View Protect Performance.

\*\*Array 2 Wrap 1.74 only available in PAV or PAR.

# Three industry leading programs. One Single Sign-On.



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

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

---

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

**Visionary Alliance™ – loyalty redefined.**

A place to earn rewards and unlock benefits every time you dispense premium HOYA products. Join the fastest growing independent ECP loyalty program to feel connected to a network of knowledge and to strengthen your independence.

---

Support for the Visionary Alliance is available by calling **800.306.1582** or emailing **visionaryalliance@hoya.com**.

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

Exciting courses, hot topics and completion rewards now available.

---

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



## **HOYA's Sun Solutions meets your visionary care.**

Get the support you need to offer a broad range of sun wear options to your patients.

Find out why Eye Care Professionals everywhere are switching to HOYA, contact a HOYA Territory Manager today.

Scan the QR Code for HOYA's Sun Protection White Papers for This Sun Season.



**HOYA**  
FOR THE VISIONARIES