



Progressive Lenses

	CR-39 1.5	Mid index 1.53-1.56	Trivex 1.53	Polycarbonate 1.59	High index 1.6/1.67	Super High index 1.70/ 1.74
	All w/o HC					
<b>AO</b>	All AO Transition VI AO Compact AO Compact Transitions VI AO Pro 15 AO Easy AO Easy Transitions VI AO Easy HD AO Easy HD Transition VI AO Easy HD Nupolar	All AO Transition VI AO Compact 55	All AO Transition VI	All AO Transition VI AO Compact Rugged Fashionwear AO Pro Rugged Fashionwear AO Easy Rugged Fashionwear AO Easy Rugged Fashionwear Transitions VI AO Easy HD AO Easy HD Transition VI AO Easy HD NuPolar	All AO Transition VI AO Easy 1.67 AO Easy 1.67 Transitions VI AO Easy HD 1.67 AO Easy HD 1.67 Transition VI AO Easy HD 1.67	
<b>Augen</b>			Centurion Progressive Trivex <b>Spacia Progressive Trivex</b> Centurion Short Progressive Trivex			
<b>Essilor</b>	Varilux Comfort Varilux Comfort Polarized Essilor Natural Adaptar Varilux Panamic Ovation Ovation Transitions Varilux Ellipse Varilux Physio	Varilux Comfort Ormex		Varilux Comfort Airwear Essilor Natural Airwear Adaptar Airwear Varilux Panamic Airwear Ovation Airwear Varilux Physio Airwear	Varilux Comfort Thin&Lite Essilor Natural Thin&Lite Adaptar Thin&Lite Varilux Panamic Thin&Lite Varilux Panamic Thin&Lite 1.67 OvationThin&Lite 1.67 Varilux Ellipse Thin&Lite 1.67 Varilux Physio Thin&Lite 1.67	
<b>Gia</b>				StarLite Gold		
<b>Hoya</b>	Hoyalux GP Wide Hoyalux GP Hoyalux Tact Hoyalux Summit cd Hoyalux Summit ecp	Hoyalux GP Wide 1.55 sungray	Hoyalux GP Wide Phoenix Hoyalux Summit cd Phoenix Hoyalux Summit ecp Phoenix	Hoyalux GP Wide		
<b>KBCo</b>	Fusion I Aspheric Polarized (uncoated) EOS Aspheric Polarized			Fusion II Aspheric Polarized EOS Wrap® Aspheric Polarized		
<b>Optima</b>				Resolution Response Progressive	Hyperview 166	
<b>Pentax</b>	AF 1.50 AF mini 1.50			DiamondClear mini	AF mini 1.60/1.67 AF 1.67 Prime 1.60/1.67 UC Prime 1.67 Prime 1.67 Transition VI Gray Premier 1.60/1.67 UC Prime 1.67 Polarized Gray Prime 1.67 Polarized Brown Premier 1.67 Premier 1.67 Transition VI Gray Premier 1.67 Polarized Gray Premier 1.67 Polarized Brown	



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<b>PRIO</b>	Browser Computer Lens					
<b>Rodenstock</b>	Progressiv Life 2 Progressiv Life XS			Progressiv Life 2		
<b>Seiko</b>					Succeed 1.60/1.67 UC Succeed Ws 1.60 UC Supercede 1.60 UC Supercede Ws 1.60 UC Proceed 1.67 II Short Proceed 1.67 Proceed 1.67 III Super Short Proceed 1.67 III Super Short Transitions V Succeed 1.67 Succeed 1.67 Transition VI Gray Succeed 1.67 Polarized Gray Succeed 1.67 Polarized Brown Succeed 1.67 Ws UC Succeed Ws 1.67 Succeed Ws 1.67 Transition VI Gray Succeed Ws 1.67 Polarized Gray Succeed Ws 1.67 Polarized Brown Supercede 1.67 UC Supercede 1.67 Supercede 1.67 Transition VI Gray Supercede 1.67 Polarized Gray Supercede 1.67 Polarized Brown Supercede Ws 1.67 UC Supercede Ws 1.67 Supercede Ws 1.67 Transition VI Gray Supercede Ws 1.67 Polarized Gray Supercede Ws 1.67 Polarized Brown	
<b>Shamir</b>	Piccolo Genesis Genesis NuPolar Shamir Office Autograph (uncoated) Panorama Creation		Genesis Trivex	Piccolo Piccolo Plus Piccolo with Attitude NuPolar Genesis Shamir Creation 1.59 Shamir Creation Plus Shamir Office Shamir Office Plus Panorama	Piccolo (uncoated) Piccolo 1.67 Genesis 1.6/1.67 (uncoated) Genesis with Attitude Genesis 1.67 Titan Autograph (uncoated) Creation SuperLite 1.67 Titan Creation SuperLite 1.6 Creation SuperLite 1.67 (uncoated)	Shmair SuperLight 1.74 (uncoated) <b>Shamir SuperLight 1.74</b>
<b>Shore Lens Co.</b>	Balance (uncoated) Balance Mini (uncoated) ShoreView (uncoated)					



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<b>Signet Armorlite</b>	Kodak Kodak Precise Kodak Concise Navigator Precision Navigator Short	Kodak Precise 1.56 EvoClear Kodak Concise 1.56 EvoClear InstaShades Precise 1.56		Kodak Concise	Kodak Precise Kodak Concise	
<b>Sola</b>	ALL Sola Transition VI Solamax UT Solamax Transitions VI PEZ / Instinctive PEZ / Instinctive Transitions VI Percepta PG NuPolar SOLAOne Transitions VI SOLAOne UT VIP VIP Decentered XL Access SOLA Compact ULTRA UT SOLA Compact ULTRA Transitions VI SOLA HDV SOLA HDV Transition VI SOLA HDV NuPolar SOLAOne HD SOLAOne HD Transition VI SOLAOne HD NuPolar SOLA Compact Ultra HD SOLA Compact Ultra HD Transition VI SOLA Compact Ultra HD NuPolar	ALL Sola Transition VI Solamax Spectr. UT	ALL Sola Transition VI	ALL Sola Transition VI Solamax UT Solamax Transitions VI PEZ / Instinctive PEZ/ Instinctive Transitions VI SOLAOne Transitions SOLAOne Transitions VI SOLAOne UT VIP PG Continuum PG Access PG SOLA Compact ULTRA UT SOLA Compact ULTRA Transitions VI SOLA HDV SOLA HDV Transition VI SOLA HDV NuPolar SOLAOne HD SOLAOne HD Transition VI SOLAOne HD NuPolar SOLA Compact Ultra HD SOLA Compact Ultra HD Transition VI SOLA Compact Ultra HD NuPolar	ALL Sola Transition VI SOLAOne 1.67 UT SOLAOne 1.67 Transitions VI SOLA Compact ULTRA SOLA Compact ULTRA Transitions VI SOLA HDV 1.67 SOLA HDV 1.67 Transition VI SOLAOne HD 1.67 SOLAOne HD 1.67 Transition VI SOLA Compact Ultra HD 1.67 SOLA Compact Ultra HD 1.67 Transition VI	
<b>Tokai Optical</b>						1.70-13 UV SF UNC *Tokai 13* 1.70-15 UV SF UNC *Tokai 15*
<b>Vision-Ease</b>	Outlook			Outlook Tegra Outlook LifeRx Gray Outlook SunRx Gray Outlook SunRx Brown Outlook SunRx Melanin Illumina Tegra Illumina Coppertone Gray <b>Illumina Coppertone Brown Polarized</b> <b>Illumina SunRx Classic Green Polarized</b> LifeRx Illumina		
<b>VSP</b>	VSP Reveal Progressive VSP Reveal Progressive Trastition VI VSP Reveal Progressive NuPolar			VSP Reveal Progressive 1.59 VSP Reveal Progressive 1.59 Transition VI VSP Reveal Progressive 1.59 NuPolar	VSP Reveal Progressive 1.67 VSP Reveal Progressive 1.67 Transition VI	
<b>X-Cel Optical</b>		Hi-X Freedom HC				
<b>Younger</b>	Image Clear NuPolar Image (uncoated) Drivewear Image	EasyLite Image	Trilogy Image	Image Clear NuPolar Image		Image Clear



**Progressive Lenses**

	CR-39 1.5	Mid index 1.53-1.56	Trivex 1.53	Polycarbonate 1.59	High index 1.6/1.67	Super High index 1.70/ 1.74
<b>Zeiss</b>	<i>All Zeiss Transition VI</i> Gradal Top 1.5 Gradal Top 1.5 Transitions VI Gradal RD Zeiss Business10 Zeiss Business15 ZEISS GT2 1.50 ZEISS GT2 1.50 NuPolar ZEISS GT2 1.50 Transitions VI Zeiss GT2 Short 1.5 Zeiss GT2 Short 1.5 Transition VI ZEISS Individual Single Vision ZEISS Individual Single Vision Transition VI ZEISS Individual Single Vision NuPolar ZEISS Individual Progressive ZEISS Individual PAL Transition VI ZEISS Individual PAL NuPolar ZEISS GT2 3D ZEISS GT2 3D Transition VI ZEISS GT2 3D NuPolar ZEISS GT2 3D Short ZEISS GT2 3D Short Transition VI Zeiss GT2 3D Short NuPolar	All Zeiss Transition VI	All Zeiss Transition VI	All Zeiss Transition VI Gradal Top 1.59 Gradal Top 1.59 Transitions VI Gradal Top 1.59 Polarized ZEISS GT2 1.59 ZEISS GT2 1.59 Transitions VI Zeiss GT2 1.59 Polarized Zeiss GT2 Short 1.59 Zeiss GT2 Short 1.59 Transition VI ZEISS Individual Single Vision 1.59 ZEISS Individual Single Vision 1.59 Transition VI ZEISS Individual Single Vision 1.59 NuPolar ZEISS Individual Progressive 1.59 ZEISS Individual PAL 1.59 Transition VI ZEISS Individual PAL 1.59 NuPolar ZEISS GT2 3D ZEISS GT2 3D Transition VI ZEISS GT2 3D NuPolar ZEISS GT2 3D Short ZEISS GT2 3D Short Transition VI ZEISS GT2 3D Short NuPolar	All Zeiss Transition VI Gradal Top 1.6/1.67 Gradal Top 1.67 Transitions VI ZEISS GT2 1.67 ZEISS GT2 1.67 Transitions VI Zeiss GT2 Short 1.67 Zeiss GT2 Short 1.67 Transition VI ZEISS Individual Single Vision 1.67 ZEISS Individual Single Vision 1.67 Transition VI ZEISS Individual Progressive 1.67 ZEISS Individual PAL 1.67 Transition VI ZEISS GT2 3D ZEISS GT2 3D Transition VI ZEISS GT2 3D Short ZEISS GT2 3D Short Transition VI	

*Latest additions to the Approved Lens List are printed in bold italic*



Single Vision Lenses

	CR 39 1.5	Mid index 1.53-1.56	Trivex 1.53	Polycarbonate 1.59	High index 1.6/1.67	Super High index 1.7
	All w/o HC All Transitions XTRActive					
AO	All AO Transition VI	All AO Transition VI	All AO Transition VI	All AO Transition VI AO FSV Rugged Fashionwear	All AO Transition VI AO Easy HD 1.67	All AO Transition VI
Augen			Aspheric SF SV Trivex SF SV Spherical Trivex Double Aspheric SV SF Trivex			
Dagas	FSV 1.5	FSV 1.55			FSV 1.6	
Darwin				Argo SFSV		
Essilor				Airwear SFSV	Thin & Lite FSV Thin & Lite 1.67 SFSV Thin & Lite SFSV	
Gentex				FSV PDQ SFSV PDQ FSV GLC		
Gia				Crystal FSV Crystal SFSV		
Hoya	HiLux	HiLux 2 Hard ET HiLux 2 Sungray	Phoenix SFSV			
Indo		Superfin 1.523 FSV				
KBCo	SFSV Polarized	SFSV Polarized 1.56		SFSV Polarized Single Vision Wrap® Aspheric Polarized SFSV Polarized with Super WearGard™	SFSV Polarized 1.67	
Ophthonix					IZon	
Optima				Resolution Tantium FSV Resolution Tantium SF SV	Hyper Index 1.60/1.66 FSV Hyper Index 160/1.66 SFSV	
Oracle				Aspheric SFSV Aspheric FSV SFSV FSV		
Pentax	Ultra 1.50 FSV			DiamondClear FSV DiamondClear SFSV DiamondClear Aspheric SFSV	Ultra Lite UV 1.60 SFSV UltraThin UV 1.60/1.67 FSV UltraThin UV 1.60 SFSV 1.67 Aspheric SFSV	



Single Vision Lenses

	CR 39 1.5	Mid index 1.53-1.56	Trivex 1.53	Polycarbonate 1.59	High index 1.6/1.67	Super High index 1.7
Polycore				LiteAir FSV		
Rodenstock					Cosmolit 1.6 DL SV	
Seiko					Super 16 Super 16 MX 1.67 Super SV Aspheric 1.67 Super SV Aspheric Transitions	
Shamir				SFSV with Attitude NuPolar SF SV Plus	SFSV 1.6/1.67 'Freeform Blank' (uncoated)	
Signet Armorlite	RLX Plus Aspheric RLX Plus	Kodak 1.56 EvoClear SV SunSensors 1.56 SV			Kodak 1.6 EvoClear SV RLX 1.6 SFSV	
Sola	All Sola Transition VI SFSV UT	All Sola Transition VI ASL Spectralite PG+	All Sola Transition VI	All Sola Transition VI SFSV spherical PG SFSV ASL Aspheric PG SFSV ASL Aspheric UT SFSV+ spherical PG SFSV+ spherical UT SFSV NuPolar Gray 3	All Sola Transition VI  SFSV ASL Aspheric UT  SFSV ASL Aspheric Transitions VI SOLAOne HD 1.67 SOLAOne HD 1.67 Transition VI	
SOMO Optical				Poly FSV Poly SFSV	1.60 FSV 1.60/1.67 Aspheric FSV 1.60/1.67 Aspheric SFSV 1.60 Spherical SFSV	
Teijin Chemicals				FSV Polycarbonate SFSV Polycarbonate		
Tokai Optical						1.70 AS UV SF UNC
Vision-Ease	SF SV SRC			Continua FSV Continua SFSV <b>Coppertone SF SV Brown</b> <b>Coppertone SF SV Gray</b> Tegra ActualEyes Aspheric SFSV Tegra ActualEyes Aspheric FSV SFSV SunRx Gray <b>SFSV SunRx Classic Green</b> SFSV SunRx Brown SFSV SunRx Melanin LifeRx Aspheric SFSV LifeRx Spherical SFSV		

# Carat Advantage® Process Approved Lens List



## Single Vision Lenses

	CR 39 1.5	Mid index 1.53-1.56	Trivex 1.53	Polycarbonate 1.59	High index 1.6/1.67	Super High index 1.7
<b>Vision Warehouse</b>				Jazz ToughWare Plus FSV		
<b>VSP</b>	VSP Reveal Progressive VSP Reveal Progressive Transitions VI VSP Reveal Progressive NuPolar			VSP Reveal Progressive 1.59 VSP Reveal Progressive 1.59 Transition VI VSP Reveal Progressive 1.59 NuPolar	VSP Reveal Progressive 1.67 VSP Reveal Progressive 1.67 Transition VI	
<b>X-Cel Optical</b>		Hi-X SFSV HC	Aris FSV Aris SFSV SF SV Transition VI		1.67 Aspheric FSV 1.67 Aspheric SFSV	
<b>Younger</b>	NuPolar SFSV (uncoated) Drivewear SFSV	EasyLite SFSV	Trilogy Aspheric SFSV	NuPolar SFSV Drivewear SFSV		
<b>Zeiss</b>	All Zeiss Transition VI ZEISS Individual Single Vision ZEISS Individual Single Vision Transition VI ZEISS Individual Single Vision NuPolar	All Zeiss Transition VI	All Zeiss Transition VI	All Zeiss Transition VI ZEISS Individual Single Vision 1.59 ZEISS Individual Single Vision 1.59 Transition VI ZEISS Individual Single Vision 1.59 NuPolar	All Zeiss Transition VI Claret 1.67 AS SFSV Claret 1.67 AS FSV Claret 1.67 AS SFSV Transitions VI ZEISS Individual Single Vision 1.67 ZEISS Individual Single Vision 1.67 Transition VI	

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**Multifocal Lenses**

	CR 39 1.5	Mid index 1.53-1.56	Trivex 1.53	Polycarbonate 1.59	High index 1.6/1.67	Super High index 1.7
	All w/o HC All Transitions XTRActive					
<b>Augen Darwin</b>			<i>Flat Top 28</i>			
<b>Essilor</b>	UltraShield FTT7x28			FT35	Thin&Lite FT28	
<b>Gentex</b>				FT28 FTT7x28 FT35		
<b>KBCo</b>	FT28 Polarized (uncoated)			FT28 Polarized		
<b>Optima</b>					FT28 Hyper Index 166 FT28	
<b>Polycore</b>				LiteAir FT28		
<b>Pixel</b>				<i>AtLast! Composite 59</i>	<i>AtLast! Composite 67</i> <i>Atlast! Composite 67 Transition VI Grey</i>	
<b>Shore Lens Co.</b>				FT28		
<b>Signet Armorlite</b>		EvoClear 1.56 FT35 EvoClear 1.56 FTT7x28 SunSensors 1.56 FT28 SunSensors 1.56 FT35				
<b>Sola</b>	All Sola Transition VI FT25 PG FT28 PG FT35 PG FTT7x28 PG FTT8x35 PG RS22 PG RS24 PG EZ2VUE 28 PG	All Sola Transition VI	All Sola Transition VI	All Sola Transition VI FT28 PG	All Sola Transition VI	



**Multifocal Lenses**

	CR 39 1.5	Mid index 1.53-1.56	Trivex 1.53	Polycarbonate 1.59	High index 1.6/1.67	Super High index 1.7
<b>Vision-Ease</b>				Continua FT28 Continua FT35 Continua FTT7x28 Continua FTT8x35 <b>Coppertone D28 Gray</b> <b>Coppertone 7x28 Gray</b> <b>Coppertone 7x28 Brown</b> <b>Coppertone D28 Brown</b> <b>Coppertone FT28 Brown</b> Tegra ActualEyes Aspheric FT28 FT28 SunRx Gray LifeRx FT28 LifeRx FT28 Gray <b>SunRx D28 Classic Green</b> <b>SunRx D28 Brown</b> SunRx FT28 Gray		
<b>X-Cel Optical</b>	FTT10x35 FTT12x35	Hi-X 7x28 HC Hi-X 8x35 HC Hi-X D28 HC Hi-X D35 HC	Aris FT28 Aris FTT7x28			
<b>Younger</b>	FT45 FT35 FT28 FT28 NuPolar FT35 NuPolar Seamless 28 Round 22 Round 40	EasyLite FT35 EasyLite FT28	Trilogy FT28 Trilogy FT28 Transitions			

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**The following restrictions apply:**

- Use uncut but cribbed lenses for Carat Advantage coating. Lenses with knife-sharp edges should be touched off on a hand stone to prevent lenses from chipping during the process.
- Lenses need to be free of significant dents, bubbles and lips at the outer circumference to avoid run-off marks.
- Lenses can be tinted prior to Carat Advantage coating, but only with tints from BPL, Phantom Research Laboratories and Inland Diamond Products.
- UV dyes are not approved for Carat Advantage coating.
- Backside spin coats must not be applied before Carat Advantage coating.

If the product of your choice is on the approved lens list and is also offered as uncoated product, using the uncoated product is strongly recommended.

**Note to bifocals and trifocals:**

Hard coating of any bifocal and trifocal lenses will almost always result in drip lines or coatings runs off the segment. The drip lines or coating runs are usually dependant on the add and the size of the segment of the combination of both. Carat Advantage drip lines are comparable to what is already offered in the market. However, Zeiss can only approve the lenses from a coating and process side (e.g. adhesion). The customer will have to decide if the drip lines are cosmetically acceptable.

For more information contact Luzerne Optical Laboratories LTD at 800-233-9637 or on the web at [www.LuzerneOptical.com](http://www.LuzerneOptical.com)