Optimum COLOURS

SEE LIFE IN COLOUR

Proudly employee owned.

optimum RX Lens Specialists

The complete ophthalmic solution

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optimum
RX Lens Specialists
The complete ophthalmic solution

Optimum RX Lens Specialists is an independent ophthalmic lens manufacturer dedicated to delivering innovation, quality, and choice. As fashion trends and colour preferences continue to evolve, we pride ourselves on being flexible, responsive, and diverse in our approach.

We offer bespoke colour-matching services wherever possible, providing lens solutions tailored to a wide range of lifestyles, activities, and visual needs. Whether you require fashionable tints, high-performance polarised lenses, or specialist optical solutions, the possibilities are virtually endless.

Optimum has become renowned for its extensive product portfolio, featuring a broad selection of fashion and sports tints, specialist filters, Transitions® lenses, and photochromic options in both traditional and vibrant contemporary colours.

We believe in giving people the freedom to express themselves and truly see life in colour.

Recent additions to our range, including VistaMesh™, LED Pro™, and Colorboost™, providing practices with even greater opportunities to differentiate themselves, enhance patient choice, and deliver tailored visual solutions.

AVAILABILITY

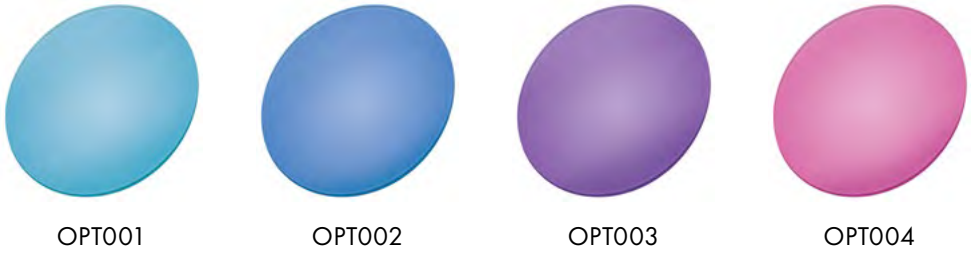
LENS	TRANSITIONS GEN S BR / GRY	TRANSITIONS GEN S GREEN	TRANSITIONS STYLE COLOURS	TRANSITIONS XTRACTIVE BR / GRY	TRANSITIONS XTRACTIVE POLARISED GRY	TRANSITIONS DRIVEWEAR	OPTICHROMIC BR, GRY
optiFORM Dual - 3	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	N/A	N/A	1.5, 1.6, 1.67	N/A	1.59	N/A
optiFORM Advanced - 3	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.67	1.6, 1.67
optiFORM First	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.67	1.6, 1.67
optiFORM EDS	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.67	1.6, 1.67
optiFORM Office	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	N/A	1.6, 1.67
optiFORM SMART - 2	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	N/A	1.6, 1.67
optiFORM Drive InMotion	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.67	1.6, 1.67
optiFORM Sport	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.67	1.6, 1.67
optiFORM DIB	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.67	1.6, 1.67
optiFORM Perpetual	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.67	1.6, 1.67
optiMYOPE+	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	1.5, 1.6, 1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6, 1.67	N/A	N/A
Single Vision	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6,1.67	1.5, 1.6,1.67	1.5, 1.53, 1.59, 1.6, 1.67, 1.74	1.5, 1.6,1.67	1.5, 1.53, 1.59, 1.67	1.56, 1.6, 1.67
Blended Lenticular	1.67, 1.74	1.67	N/A	1.67,1.74	N/A	N/A	N/A
D28*	1.5, 1.53so, 1.59so, 1.6, 1.67	N/A	N/A	1.5	N/A	N/A	1.56, 1.59
D28 High Add*so	1.5	N/A	N/A	N/A	N/A	N/A	N/A
D28 Trifocal*	1.5	N/A	N/A	N/A	N/A	N/A	N/A
D35*	1.5, 1.59so	N/A	N/A	N/A	N/A	N/A	N/A
D35 trifocal*	1.5	N/A	N/A	N/A	N/A	N/A	N/A
C28*	1.5	N/A	N/A	N/A	N/A	N/A	N/A
R24	N/A	N/A	N/A	N/A	N/A	N/A	1.56

*Transitions are G8

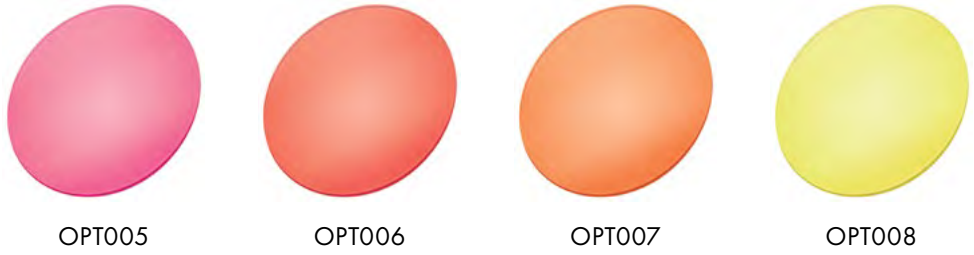
AVAILABILITY

LENS	OPTICHROMIC PINK,PURPLE, GREEN, BLUE	POLARISED BR, GRY,	POLARISED GREEN	POLARISED BLUE	NUPOLAR INFINITE GRY	VISTAMESH	COLORBOOST	LED PRO
optiFORM Dual - 3	N/A	1.5, 1.59, 1.6,1.67	N/A	N/A	N/A	N/A	N/A	N/A
optiFORM Advanced - 3	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
optiFORM First	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
optiFORM EDS	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
optiFORM Office	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	N/A	1.56	1.59	1.67 (1.60 coming soon)
optiFORM SMART - 2	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	N/A	1.56	1.59	1.67 (1.60 coming soon)
optiFORM Drive InMotion	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
optiFORM Sport	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
optiFORM DIB	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
optiFORM Perpetual	1.6, 1.67	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
optiMYOPE+	N/A	1.5, 1.6, 1.67,1.74	1.5, 1.6, 1.67	1.6	N/A	N/A	N/A	N/A
Single Vision	1.6, 1.67	1.5, 1.59 (full and Grad), 1.6, 1.67	1.5, 1.6,1.67	1.6	1.5	1.56	1.59	1.67 (1.60 coming soon)
Blended Lenticular	N/A	1.67, 1.74	N/A	N/A	N/A	N/A	N/A	N/A
D28	N/A	1.5, 1.59, 1.67so	N/A	N/A	N/A	N/A	N/A	N/A
D28 High Add*so	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D28 Trifocal	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D35	N/A	1.5	N/A	N/A	N/A	N/A	N/A	N/A
D35 trifocal	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SOLID TINTS



OPT001 OPT002 OPT003 OPT004



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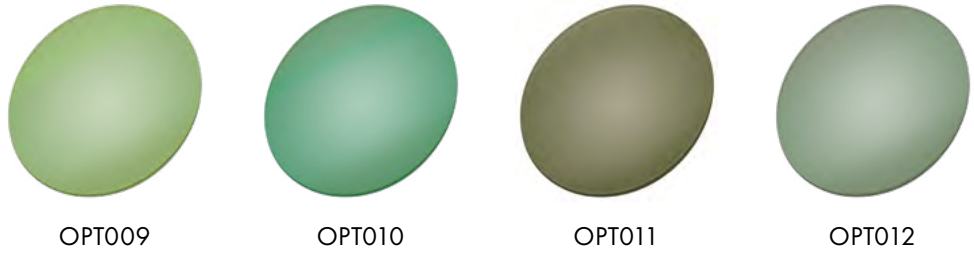

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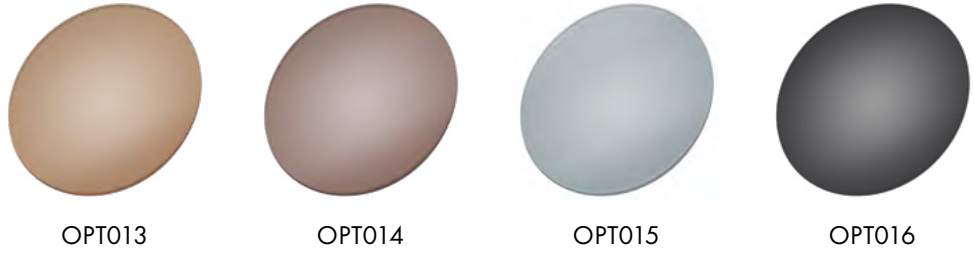
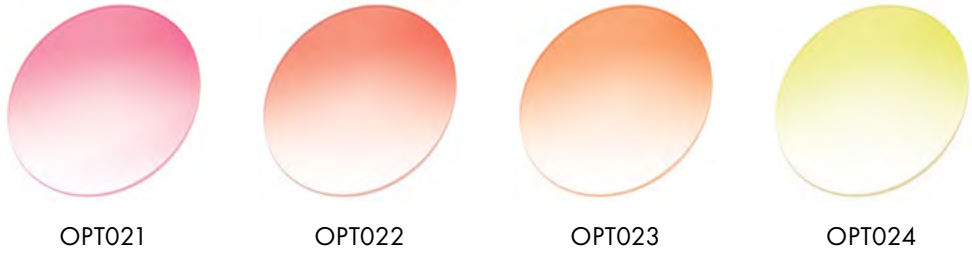


OPT013 OPT014 OPT015 OPT016

All tints available in various LTF. Dispensing tint sets available, charges apply.

GRADUATED TINTS

OPT017 OPT018 OPT019 OPT020



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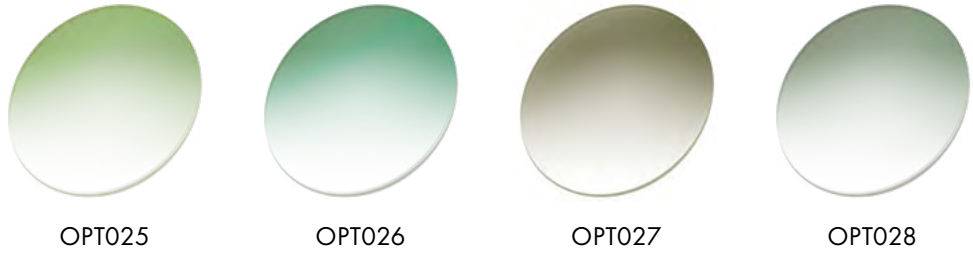

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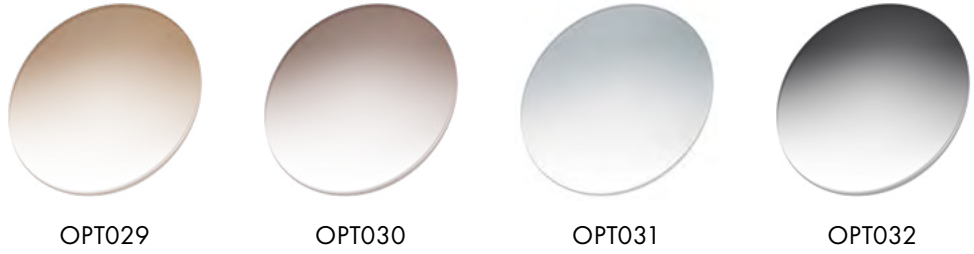


OPT029 OPT030 OPT031 OPT032

Lens shape and colour are for illustration purposes only.

FASHION TINTS

OPT033

OPT034

OPT035

OPT036

OPT037

OPT038

OPT039

OPT040

OPT041

OPT042

OPT043

OPT044

OPT045

OPT046

OPT047

OPT048

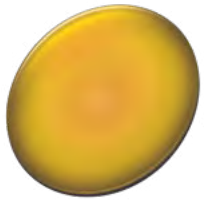
All tints available in various LTF. Dispensing tint sets available, charges apply.

MIRROR & SPLIT MIRROR COATINGS

OPT049

OPT050

OPT051


OPT052

OPT053

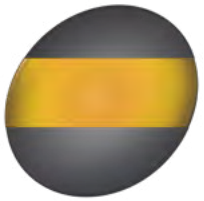
OPT054

OPT055

OPT056

OPT057

OPT058


OPT059

OPT060

OPT061

OPT062

OPT063

OPT064

Lens shape and colour are for illustration purposes only.

MIRROR COATINGS

Available Colours

optiFLASH Ice Blue
optiFLASH Rose Gold
optiFLASH Silver
optiFLASH Green
optiFLASH Red
optiFLASH Gold
optiFLASH Blue

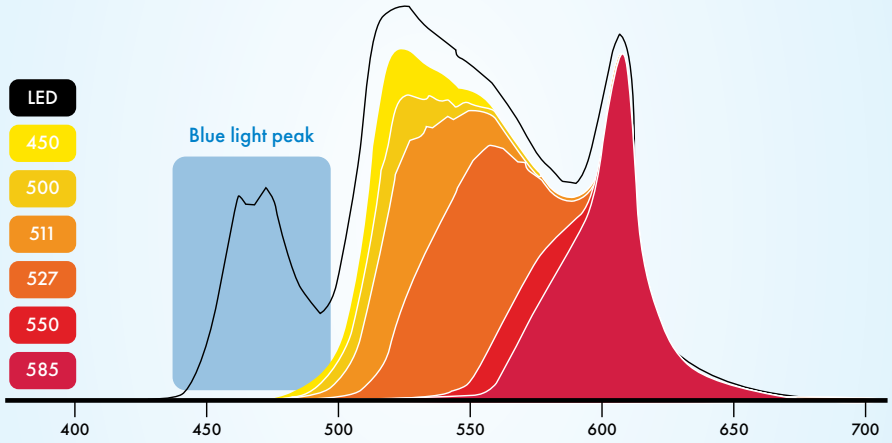
optiFLASH UV

A semi-transparent mirror coating applied on the convex surface of a tinted or polarising lens. It is combined with an anti-reflective coating on the concave surface.

Great for sports – while the reflective front surface prevents some of the bright light entering the lens the underlying tint enhances contrast to improve judgement of distance and spatial awareness.

Ideal for sunglasses – the sunglass tint and ultraviolet block give protection from bright sunlight, dangerous ultraviolet rays and the reflective front surface gives a great look.

100% UV PROTECTION WITH THERAPEUTIC BENEFITS



UV light is widely known to harm the eyes, and research shows that high-energy blue light can also cause damage. When these rays enter the eye, they scatter and distort the retina, reducing contrast, increasing glare sensitivity and creating discomfort.

Our advanced filters are designed to block these harmful wavelengths by selectively filtering light between 450 nm and 585 nm. The result is improved contrast, sharper vision and greater comfort in all conditions. Every filter also provides 100% UV protection and comes in a choice of shades to match different needs and lifestyles.

THERAPEUTIC FILTERS

CODE	DISPENSE FOR	TRANSMISSION
FL41	Headache, Migraine, Eye strain, Photophobia, Light Flicker, Fluorescent lights.	50% LTF
opt450	Night-blindness, Retinitis pigmentosa, Pre-operative cataracts,Macular degeneration, Forensic science.	86% LTF
opt500	Retinitis pigmentosa, Post-operative cataracts, Macular degeneration, Forensic science, Aphakia/Pseudoaphakia.	50% LTF
opt511	Retinitis Pigmentosa, Post-operative cataracts, Macular degeneration, Aphakia/Pseudoaphakia.	68% LTF
opt527	Pre-operative cataracts, Macular degeneration, Aphakia/Pseudoaphakia.	62% LTF
opt 550	Achromatopsia, Retinitis pigmentosa, Albinism, Post-operative cataracts.	30% LTF
opt585	Achromatopsia, Colour blindness, 3-D glasses, Dark room filters, Night vision adaption.	8% LTF
EPI	May support those suffering with Epilepsy.	30% or 15% LTF
BB	Most computer screens now use LED lighting, which peaks higher in the blue spectrum. BlueBan tints protect effectively against this peak (see spectrum).	80% LTF

VISTAMESH

VistaMesh lenses are designed to calm the way light enters the eye. A microscopic mesh is built into the lens itself not added as a coating. This helps organise scattered light, reduce flicker, and improve contrast, making vision more comfortable especially for heavy screen users.

Wearers often notice less glare, reduced flicker, better contrast and less eye strain. The lenses also include a gentle brown contrast filter UV385 protection and are made in a mid-index 1.56 material.

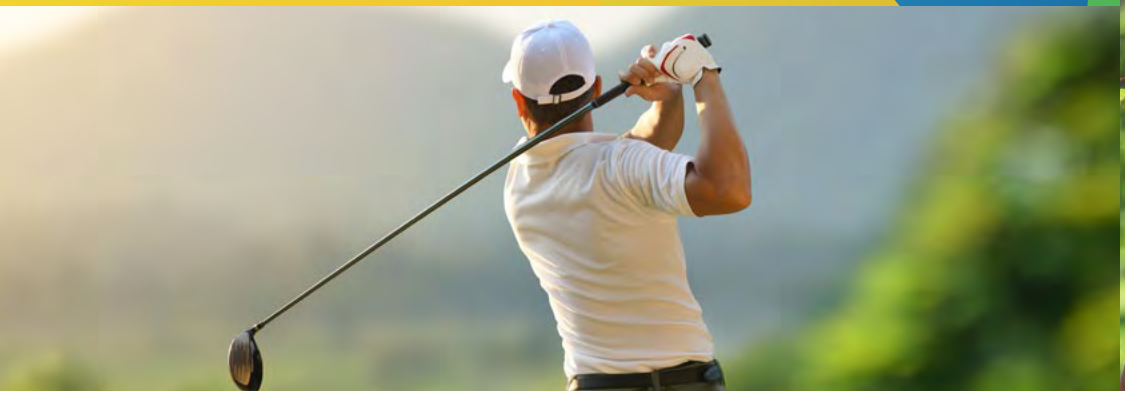
We welcome your feedback on VistaMesh, what we do know is that for some patients, VistaMesh can be truly transformative.

At Optimum RX Lens Specialists we are proud to be one of the only UK labs able to produce VistaMesh lenses supporting practices with specialist solutions.

VISTAMESH EXPLAINED SIMPLY

Some people are genuinely more sensitive to light and screens. For them it is not just eye strain but headaches, migraines, visual stress or end of day eye fatigue.

SPORTS TINTS



LENS TINT	BENEFITS	TRANSMISSION
Enhance	A contract enhancing shade. Good for shooting, cycling etc.	85% LTF
Amber	The best protection and performance in outdoor lighting conditions. This lens protects your eyes from hazardous light and fatigue, reduces glare and presents your surroundings in vivid colour and contrast.	25% LTF
Ruby	Deep rose colour increases contrast and is great for overcast or foggy conditions. Great for skiers, golfers and on or near the water.	15% LTF
Sunflower	Good for some low light conditions like driving and popular with shooters, hunters and skiers.	90% LTF
Grass	Provides slightly better contrast than grey lenses and maintains true colour balance. Great for tennis, driving, golf and a good all-purpose colour for varying light conditions.	35% LTF

LENS TINT	BENEFITS	TRANSMISSION
Sunset	Increases contrast and blocks blue light. Great for hiking, gardening, biking, boarding or on overcast or partly cloudy days. Commonly used for clay target shooting.	55% LTF
Copper	Maximises contrast making objects brighter and is ideal for times where good visual acuity is critical. Great for fishing, golfing and driving in varying conditions.	25% LTF
Ocean	This lens lets in the maximum amount of blue light. For partly cloudy to sunny days.	45% LTF
Rose	The vibrant colour increases contrast and is great for fishing in the early morning or late evening. Best for skiers, hunters and target shooters in bright sunny conditions.	50% LTF
Violet	Increases contrast and dampens certain backgrounds. Good for sport shooting in average or bright conditions, as well as for cross country skiing, golfing and snowmobiling.	50% LTF

COLORBOOST

AI DESIGNED LENSES THAT TRANSFORM COLOUR VISION

Colorboost uses patented generative-AI modelling and advanced optical engineering to refine how light and colour pass through the lens. Rather than darkening vision or applying a uniform tint, the technology selectively expands colour bands while preserving natural colour accuracy, creating a richer, sharper and more precise visual experience.

Traditional lenses often mute parts of the spectrum, limiting the eye's ability to distinguish subtle shades. Colorboost applies AI-supported spectral design to increase colour resolution and saturation, helping wearers detect more meaningful contrast while maintaining clear, comfortable, and true-to-life vision.

Measured through Colour Resolution Factor and Colour Accuracy Factor, Colorboost enhances useful colour contrast without distortion. This supports improved visual awareness, target recognition, depth perception, and reaction speed - ideal for high-demand environments where clarity matters. For safety and occupational use, Colorboost improves visibility of markers, signals, hazards, and subtle environmental changes, helping wearers stay alert in shifting light conditions.

Integrated directly into the lens material, Colorboost works seamlessly with compatible lens options and coatings polarised, photochromic, Every pair provides full UV-A, UV-B and blue-light protection.

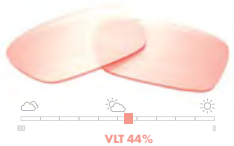
PERFECT FOR ACTIVE WEARERS , SPORTS PEOPLE AND PERFORMANCE-DRIVEN INDIVIDUALS

VIOLET V3001
COLOR BOOST +32%

GREEN G1406
COLOR BOOST +36%

YELLOW Y6902
COLOR BOOST +15%

PINK R4704
COLOR BOOST +26%

RED R4401
COLOR BOOST +15%


BROWN B1301
COLOR BOOST +30%

BROWN B1302
COLOR BOOST +32%

GREY G1511
COLOR BOOST +31%

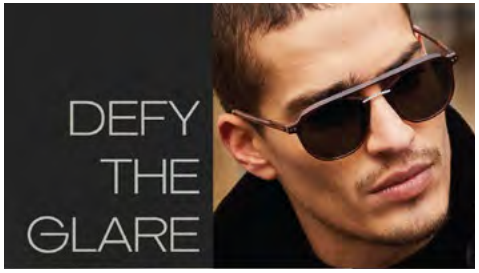
TRANSITIONS LENSES

Transitions gen S

Our perfect everyday lenses: ultra-responsive to light, spectacular colour palette, HD vision at the speed of your life.

Transitions XTRACTIVE® NEW GENERATION

The best for people who are very light sensitive or frequently exposed to bright light.



Transitions XTRACTIVE® POLARIZED

The best for people who are frequently exposed to bright light and reflective glare.

Transitions Drivewear®

A polarised lens for driving with colour and light adaptation.

Grey

Brown

Graphite Green

Sapphire

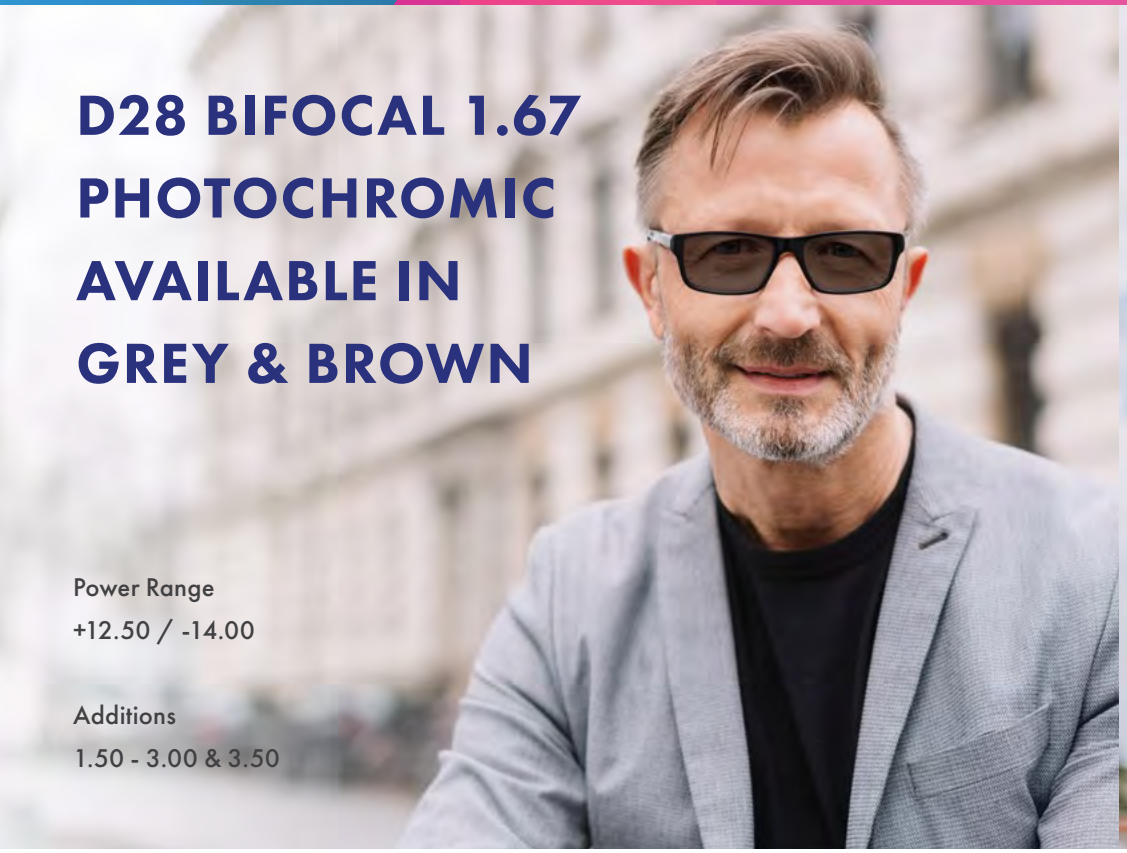
Amethyst

Emerald

Amber

Ruby

BIFOCAL PHOTOCHROMIC



D28 BIFOCAL 1.67 PHOTOCHROMIC AVAILABLE IN GREY & BROWN

Power Range
+12.50 / -14.00

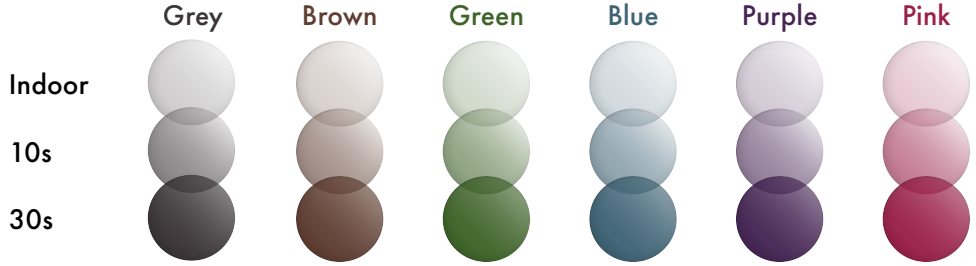
Additions
1.50 - 3.00 & 3.50

AVAILABLE IN SINGLE VISION & PROGRESSIVE

optiCHROMIC

OptiCHROMIC lenses are optimised for rapid adaptation as light conditions shift throughout the day. They deliver optimum fade-back performance, improved visual aesthetics, and outstanding indoor clarity, ensuring a smooth and comfortable visual experience for every wearer.

NOW AVAILABLE WITH A BASE TINT



LED PRO TECHNOLOGY: REVOLUTIONARY NIGHT DRIVING VISION

Experience the breakthrough in night driving comfort with LED Pro Technology. The world's first lens material specifically engineered to combat modern LED headlight glare.

LED Pro features a patent – protected, selective wavelength absorption technology, permanently integrated throughout the lens material. This precisely targets the harsh blue (450nm) and green (550nm) wavelengths that cause the most visual discomfort and glare.

With 95% of UK drivers struggling with overly bright LED headlights, LED Pro delivers the solution you've been waiting for – maintaining crystal-clear vision and optimal light transmission while dramatically reducing eye strain and enhancing safety on every night drive.

LED light controlling lens

BASED ON THE CLINICAL DATA AND RESEARCH FROM OUR COMPREHENSIVE ANALYSIS, RESULTS SHOW:

25% FASTER GLARE RECOVERY

Clinical studies demonstrate that LED Pro Technology enables drivers to recover from dazzling headlight exposure 25% faster than standard lenses. Professional drivers tested with the integrated system showed significantly reduced recovery time after bright light stimulation, improving reaction time and safety during critical night driving moments.

98% COMBINED BLUE LIGHT PROTECTION

When integrated with optiFORM Drive InMotion lenses and optiGO coating, LED Pro achieves an unprecedented 98% total blue light attenuation at the critical 450nm wavelength. This multi-layered defense system provides comprehensive protection against the most problematic LED headlight emissions while maintaining safe light transmission levels.

29% IMPROVED VISUAL FIELD WIDTH

Real-world testing with professional drivers revealed a remarkable 29% improvement in visual field width during night driving conditions. The specialized night vision zone compensates for the -0.27D average myopic shift that occurs in low-light conditions, ensuring optimal focus across all driving-relevant viewing angles.

100% USER SATISFACTION FOR DISTANCE VISION

In controlled double-blind studies involving 30 professional drivers, LED Pro achieved 100% user satisfaction ratings for distance vision performance. Participants consistently rated their visual experience as superior, with 97% adapting to the lenses within just three days of use.

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