

**Introducing a  
superior way to  
see the world.**

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**Transitions®  
Signature™ VII**

Now with *Chromea7™* technology.

Frequently Asked Questions

**Life well lit.™**



Transitions®  
Signature™ VII

More **responsive** in  
more situations.

## Performance

### **Q: What is Transitions® Signature™ VII and how is it different/better?**

**A:** Transitions® Signature™ VII is the latest and most balanced photochromic lens from Transitions Optical. Transitions® Signature™ VII is more responsive in more situations, being more reactive to indirect light and darker especially in warmer conditions – while at the same keeping excellent clarity indoors and fast to fade back.

### **Q: How are Transitions® Signature™ VII lenses different to Transitions® XTRActive™?**

**A:** Both are clear lens replacements. Transitions® Signature™ VII is our most balanced lens to date having a high degree of indoor clarity and with improved outdoor darkness and responsiveness on hot days. It is available in a broad range of lens designs and materials in Grey and Brown.

XTRActive™ goes darker outdoors, darkens moderately behind a car windscreen and has a slight residual tint indoors. It is available in Grey.

### **Q: Why should I recommend Transitions® Signature™ VII lenses more than previous generations of Transitions lenses?**

**A:** Wearer tests revealed a 2:1 preference for Transitions® Signature™ VII over Transitions VI. The performance benefits that resulted in this level of preference include that Transitions® Signature™ VII lenses:

- Are darker outdoors than Transitions VI lenses – especially in warmer temperatures
- Are darker outdoors, especially when not facing directly into the sun (because they are more reactive to indirect sun light)
- Fade back on average 20% faster than Transitions VI lenses.

### **Q: What's new and different about the darkness of Transitions® Signature™ VII lenses?**

**A:** Transitions® Signature™ VII lenses are darker than Transitions® VI™ lenses in average and hotter temperatures. When measured over 1000 times in 200 different situations Transitions® Signature™ VII Brown lenses were shown to be on average 21% darker than Transitions VI and Grey 15% darker. As the most balanced Transitions lens to date, Transitions® Signature™ VII lenses will provide even more visual comfort, glare reduction and enhanced contrast than any Transitions lens previously available. They are also darker in situations when the wearer is not directly facing the sun, which is key as wearers avoid looking into the sun.



**Q: What's new and different about the fade back speed of Transitions® Signature™ VII lenses?**

**A:** When averaged across tests, Transitions® Signature™ VII lenses fade back 20% faster than Transitions VI lenses.

**Q: Why should I recommend Transitions® Signature™ VII lenses to my patients who wear regular clear lenses?**

**A:** Wearer tests revealed that 82% preferred Signature™ VII lenses to their current clear lenses. Transitions lenses make you see and feel your best, all of the time. Indoors they perform as everyday clear lenses and outdoors they do more, continuously filtering light and reducing glare and eye fatigue.

**Q: Are Transitions® Signature™ VII lenses clear indoors?**

**A:** Yes. When combined with an AR coating, Transitions® Signature™ VII Brown lenses have a transmission of 95% and Grey of 94%.

**Q: How do Transitions® Signature™ VII lenses perform in hot and cold temperatures (extreme temperatures)?**

**A:** The performance of all photochromic lenses is affected by temperature. Our scientists have applied Chromea 7 technology to the Transitions® Signature™ VII lenses, resulting in a product that is less temperature dependent than previous generations. They go significantly darker than Transitions® VI lenses in hotter situations, while at the same time they are not significantly darker in very cold temperatures.

**Q: What is Chromea7 technology?**

**A:** Chromea7 is a breakthrough 8-dye molecular technology which enables Signature VII lenses to be more reactive to indirect light and more responsive in higher temperatures.

**Q: What is the life expectancy of Transitions® Signature™ VII lenses?**

**A:** The performance life of Transitions® Signature™ VII lenses will generally last the lifetime of the prescription. While it is normal for there to be a small loss of photochromic performance over time with normal usage, this is generally not perceived by the wearer. Because most Transitions lens wearers become repeat purchasers, the chances are that you will sell them a new pair long before their Transitions® Signature™ VII lenses have any perceivable change in performance.

## Added Benefits

### **Q: Are Transitions® Signature™ VII lenses compatible with premium anti-reflective coatings?**

**A:** Absolutely. Transitions® Signature™ VII lenses are compatible with all premium AR coatings and hardcoats. In fact, Transitions® Signature™ VII lenses are even clearer than regular clear lenses when a premium AR coating is applied. For added flexibility, if necessary, the hardcoat on Transitions® Signature™ VII lenses is easily removed in a laboratory prior to AR or proprietary hardcoat application.

### **Q: Can Transitions® Signature™ VII lenses be tinted?**

**A:** Yes, but we do not recommend it as tinting will compromise the clarity of Transitions® Signature™ VII lenses which are virtually as clear as regular clear lenses indoors and at night.

If a pre-tint is required your patient might choose to consider Transitions Performance Sunwear and Transitions adaptive sunwear lenses as they are specifically designed for outdoor activities.

### **Q: Are Transitions® Signature™ VII lenses limited to any particular spectacle frames?**

**A:** Absolutely not. That's one of the benefits of Transitions lenses – they are suitable for virtually any frame designed for mounting prescription lenses.

### **Q: In what colours are Transitions® Signature™ VII lenses offered?**

**A:** Transitions® Signature™ VII lenses are available in Grey or Brown tints. Both tints have been optimised for better colour consistency, providing further improved aesthetics and enhanced vision.

# Who should wear Transitions® Signature™ VII lenses?

## Q: Who are Transitions® Signature™ VII lenses best suited to?

A: Transitions® Signature™ VII lenses are recommended for anyone who could benefit from seeing better today and preserving the health and well being of their eyes for the future – and that is virtually everyone. Transitions lenses are the ideal choice for many of your patients who currently wear regular clear spectacle lenses because they enhance visual comfort, visual quality and provide convenient protection in any light. Because Transitions lenses offer so many more benefits than regular clear lenses, your patients will appreciate their added value.

Transitions lenses are particularly recommended for people who have special needs and whose vision is compromised when exposed to light and UV radiation. Especially vulnerable are:

- Patients with specific medical or eye conditions (e.g. diabetes or cataract, among many others) which can affect one's contrast/sensitivity and night vision.
- Those taking medications which can cause sensitivity to bright light and/or direct sunlight. Please refer to the clinical paper entitled Ocular Effects Associated With Medications, Siret D. Jaanus, PhD. Also be sure to download to your PDA or computer the medications database provided by Transitions Optical, to enable you to quickly determine which of the medications your patients are taking that can cause ocular side effects.
- Children. Because children's eyes are still developing and their crystalline lens is more translucent, their eyes are particularly vulnerable to UV radiation and need daily protection.
- People who have had recent eye surgery and who have a particular sensitivity to sunlight and UV rays.
- People who have light-sensitive eyes.

For all of your patients, including those with the special needs listed above, Transitions® Signature™ VII lenses offer the clear lens performance they need indoors and at night plus the added value of enhanced visual quality, visual comfort and convenient protection outdoors

## Q: Should I recommend Transitions® Signature™ VII lenses to parents for their children?

A: Absolutely and without hesitation. Transitions® Signature™ VII lenses give children versatility, increased visual comfort, block 100% of UVA and UVB radiation, and offer UV 400 protection. It is extremely critical for children's eyes to be protected from UV radiation because they typically spend three times more time outdoors than adults. To complicate matters, children's eyes are not fully developed until they are older, so their crystalline lens is more translucent, leaving their eyes particularly vulnerable to UV radiation. That's a good reason to offer lenses such as Transitions® Signature™ VII to parents. Transitions lenses are available in impact-resistant materials (Polycarbonate and Trivex™), making them an excellent choice for children.



## Special Situations

### **Q: Do Transitions® Signature™ VII lenses perform behind the windshield of a car?**

**A:** Photochromic lenses are activated by UV rays. Most automobile windshields block UV rays to protect the interior of the car and, as a result photochromic lenses will not activate. In addition to UV, Transitions® Signature™ VII lenses also react to blue / violet visible light and darken slightly behind a car windscreen, but not to the extent where this can be presented to a patient as a benefit of the lens. For patients who want the benefits of an adaptive lens and want their photochromic to go moderately dark behind a car windscreen, we recommend that you propose Transitions® XTRActive™. Please note that Transitions® XTRActive™ has a slight residual tint of 11% when not activated.

### **Q: Are Transitions® Signature™ VII lenses suitable for night driving?**

**A:** Transitions® Signature™ VII lenses are suitable for any activity that would normally require clear lenses, which includes driving at night. As with clear lenses, adding an anti-reflective coating to Transitions lenses may make driving at night even more comfortable for your patients, as they reduce distracting glare and are even clearer than regular clear lenses. Transitions® Signature™ VII lenses are suitable for night driving as per the ISO 14889 standard.

### **Q: Are Transitions lenses recommended for protective sports eyewear?**

**A:** First and foremost, for any contact sport activity it is essential that proper, protective eyewear is selected to reduce the risk of eye injury – especially for children, who are most prone to injury during sports activities. Recommending special sports frames with shock and impact-resistant materials such as Polycarbonate or Trivex to your active patients should be a top priority. Adding the benefits of Transitions® Signature™ VII lenses is a great bonus since they adjust to changing light and block 100% of harmful UV rays, providing visual comfort during outdoor activities held at various times of the day. Transitions lenses in impact-resistant materials make an excellent choice for parents on the sidelines as well.

## Business Building Opportunities

### **Q: Can Transitions® Signature™ VII lenses help my business grow?**

**A:** Yes. In addition to providing the ideal choice for your patient's primary pair of spectacles, fitting more of them with Transitions lenses will contribute to increased patient satisfaction and more add-on sales opportunities for your practice. Chromea7 technology enables Transitions® Signature™ VII to be the most balanced Transitions lens to date, making it easier than ever for eye care professionals to recommend Transitions lenses to more of their patients. Indeed 8 out of 10 clear lens wearers rated Transitions® Signature™ VII lenses better than their current clear lenses.

Transitions® Signature™ VII lenses are available in most popular materials and most designs. These include standard index (1.50), Trivex (1.53), Polycarbonate (1.59), High Index (1.60), and Super HI (1.67). Designs include spherical and aspheric SFSV & FSV, CT-28 & ST-28 (1.5 only), ST-35, Tri-28, Tri-35, and the largest selection of the best performing PAL designs available.

### **Q: Should I recommend Transitions® Signature™ VII lenses as a sunglass replacement? What about second pair sales?**

**A:** Even though they get as dark as sunglasses outside, Transitions lenses are not intended to replace sunglasses. Transitions lenses are intended to replace regular clear lenses for your patients' primary pair of spectacles. Sunglasses, especially polarized lenses, are specialty eyewear for specific, sustained outdoor use and blinding glare situations. Transitions lenses, as a first pair and Transitions Performance Sunwear lenses as a second pair are an excellent combination for your patients.

# Transitions® Signature™ VII lenses and healthy sight:

## **Q: To what degree do Transitions® Signature™ VII lenses provide UV protection?**

**A:** Like all Transitions lenses, Transitions® Signature™ VII lenses block 100% of harmful UVA and UVB rays. Transitions lenses meet all the internationally recognized standards for UV blockage, including ANSI Z80.3, ISO 8980-3, EN 1836 and AS/NZS 1067.

## **Q: How do Transitions® Signature™ VII lenses reduce glare?**

**A:** Transitions® Signature™ VII lenses automatically adjust to changing light outdoors and become as dark as sunglasses in bright outdoor light, providing comparable glare protection to non-polarized sun lenses. Unlike regular sun lenses, the performance of Transitions lenses is dynamic, providing just the right amount of tint outdoors. As light conditions change, the level of tint and glare reduction changes as needed. As a result, visual quality and comfort are enhanced.

## **Q: What are the different types of glare?**

**A:** There are four types of glare that progressively affect one's ability to see clearly. They are:

- Distracting glare, where light reflects from the eyeglass lens surface or from within the lens, causing distraction, eye fatigue and squinting.
- Discomforting glare, where light reaches an intensity level at which the eye is unable to adapt naturally, resulting in true eye discomfort and reduced ability to see clearly.
- Disabling glare, where light intensity becomes extreme. The eye's ability to adapt is exceeded; the ability to discern detail is significantly compromised. Eye discomfort becomes significant, and vision can be impaired.
- Blinding glare, the most extreme form of glare, is when bright light reflects off of smooth, shiny surfaces, like water, sand or snow, acting like a mirror to redirect blinding light directly to the eye. The result is severe discomfort and debilitating impact on one's ability to see – even for a period of time after the glare is removed, due to the latent effects of such extreme glare.

## **Q: Can Transitions® Signature™ VII lenses provide visual comfort?**

**A:** Yes. Constant variations in light intensity throughout the day can leave eyes feeling tired and stressed. Transitions® Signature™ VII lenses reduce discomforting and disabling glare, thereby reducing squinting, eye strain and eye fatigue for wearers. When fitted with Transitions® Signature™ VII lenses, your patients' eyes will feel more comfortable all day long.

## **Q: Can Transitions® Signature™ VII lenses improve enhance contrast?**

**A:** Yes. Transitions® Signature™ VII lenses block glare, thereby enhancing contrast and reducing eye fatigue and eye strain.



# Transitions® Signature™ VII

[www.transitionsworld.co.za](http://www.transitionsworld.co.za)

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Photochromic performance is influenced by temperature, UV exposure and lens material.