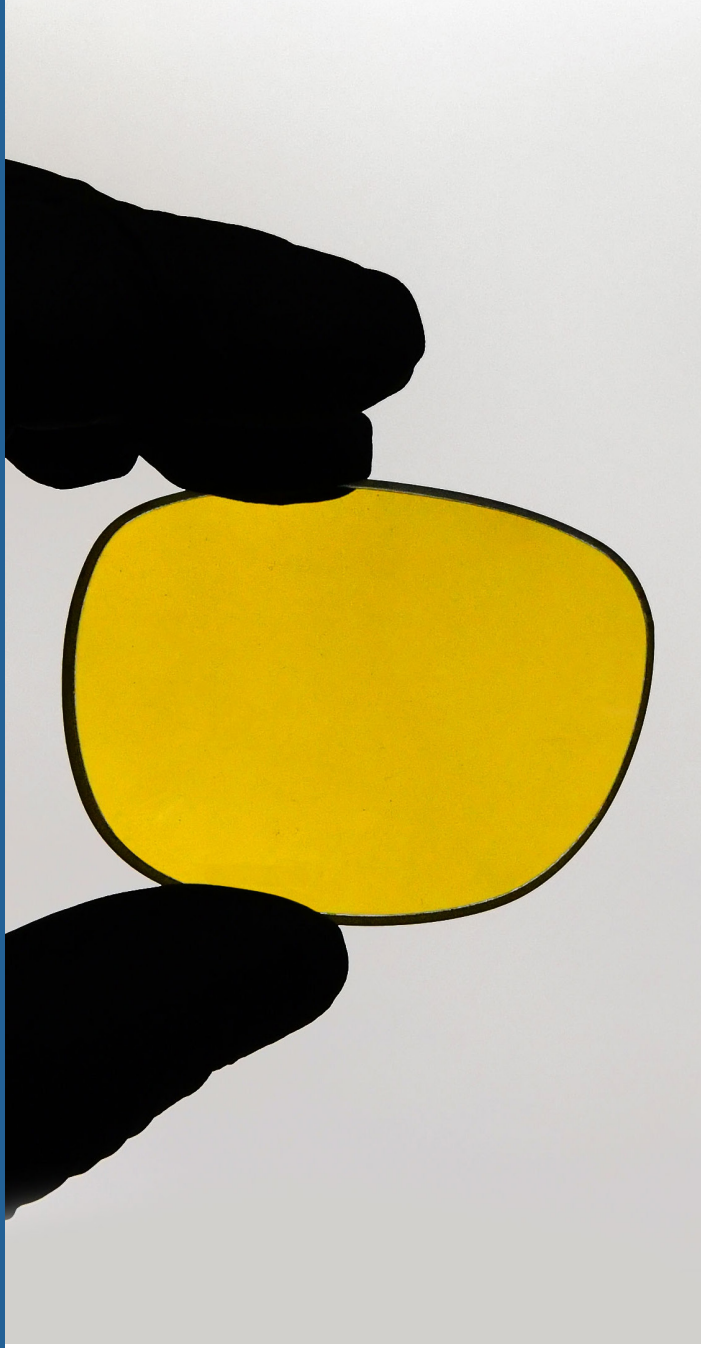
A PRACTITIONERS GUIDE TO THE LOW VISION TINT SELECTION KIT



CHADWICK OPTICAL

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INTRODUCTION

WHAT IS THE LOW VISION TINT SELECTION KIT?

Chadwick's Low Vision Tint Selection Kit was developed as a practical tool for practitioners to help their patients sample a variety of tints designed to assist with low vision conditions. This kit provides an efficient way to determine the most effective tint for your patient's specific needs as well as the best lens shape for us to create a custom clip for your patient's existing glasses.

Although the custom clips are some of our best sellers, we are happy to create a tint in just about any prescription or frame you can think of. Just let us know what you're looking for.

WHY THESE TINTS?

The included selection of tints has been curated in collaboration with low vision specialists, incorporating the most commonly used options in low vision rehabilitation.

While the effect each tint has varies from patient to patient, our kit includes, in a very general sense: yellows that can enhance contrast and glare in low light, orange variations that similarly boost contrast and help reduce eye strain in medium to low light conditions, reds that can help reduce light sensitivity and plum tints associated with glare relief and contrast enhancement in bright environments.

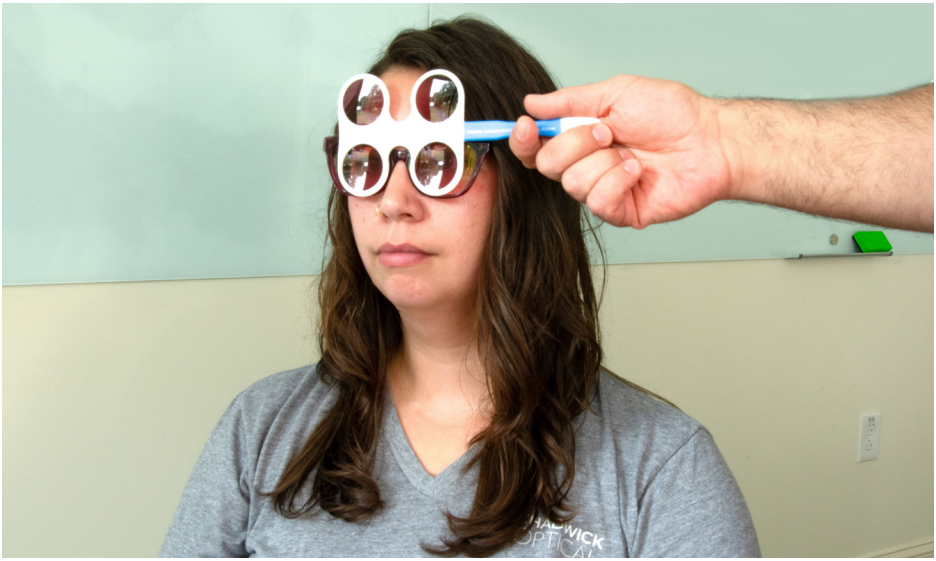
WHAT'S INCLUDED?

- This practitioner user guide
- 6 tint flippers with two tints on each flipper
- Our clip-on lens shape library of popular shapes
- A sample clip-on

CONTENTS

HOW TO USE THE FLIPPERS

1. Determine patient's symptoms and/or diagnosis. Use the tint information at the back of this guide to determine which tint may provide the most relief and start there.
2. Hold the flipper horizontally so the bottom half of the flipper is covering the patient's eyes.
3. Flip the flipper over to show each tint. Let the patient sample as many of the tints as you feel necessary.
4. Once they've identified which tint provides the most relief, note the name of the tint by locating the sticker on the flipper with the arrow pointing toward the tint.
5. Let them know about their options for tinted lenses:
    - Custom Clips (see lens shape library)
    - Fitovers
    - Chadwick frames (Rx and non-Rx)
    - Chemistrie clips on Chadwick frames
    - Any frame of your choosing
6. Call us with your order and any questions.



CLEANING INSTRUCTIONS

We suggest two cleaning options for our flippers. While Option 1 will prolong the life of the flippers significantly, we understand that it can be challenging to fit that process into a schedule with back to back patients. Option 2 will quickly ensure the flippers are completely disinfected.

OPTION 1

Submerge in warm soapy water, and gently clean with your fingers or a soft sponge. Pat dry with a towel, and use a clean microfiber cloth to remove any spots.

OPTION 2

Gently rub the entirety of the surface with an LED screen wipe containing 50% alcohol or an alcohol wipe. Pat or air dry, and use a clean microfiber cloth to remove any remaining spots.

HOW TO USE THE LENS SHAPE TEMPLATES

Our lens shape library allows you to quickly determine the correct shape and size of the lens that best suits a clip-on for your patient's current pair of glasses.

1. Determine the basic shape of your patient's glasses. Our shape library includes commonly found shapes and sizes, specifically:

Aviator:
- Large – 62mm (LGAV)
- Med – 57mm (MDAV)
- Small – 54mm (SMAV)

Oval:
- Large – 51mm (LGOV)
- Med – 50mm (MDOV)
- Small – 48mm (SMOV)

Round:
- Large – 51mm (LGRD)
- Med – 48mm (MDRD)
- Small – 47mm (SMRD)

Rectangle:
- X-Large – 60 mm (XLRT)
- Large – 56mm (LGRT)
- Med – 54mm (MDRT)
- Small – 52mm (SMRT)

Square:
- X-Large – 60 mm (XLSQ)
- Large – 57mm (LGSQ)
- Med – 55mm (LGMD)
- Small – 53mm (SMSQ)

If you need another shape or size, just let us know. We're happy to create a custom set for you.

2. Beginning with the basic shape, hold the lens template against the glasses to determine which size fits best. Sample as many size/shapes as necessary to find one that fits slightly larger than the patient's glasses. This ensures fuller coverage that doesn't allow unfiltered light to get through.

3. Call or email us the tint color and shape SKU to order your tinted clip-on, along with any additional notes or questions.

   If none of the shapes or sizes work for your patient, we're happy to create a custom clip by searching lens databases or tracing your patient's existing pair.

Scan for some quick videos on how to use the lens shape library and flippers

THE LOW VISION TINTS

NOTE: Prescribing tinted lenses to relieve symptoms is not an exact science. There is no one-size-fits-all correlation with a diagnosis, but there are studies that show certain tints relieve certain symptoms. What follows is a broad explanation of which tints are generally used to treat certain conditions. It is best to allow your patient to sample multiple tints to find which may work best for them.

YELLOW TINTS

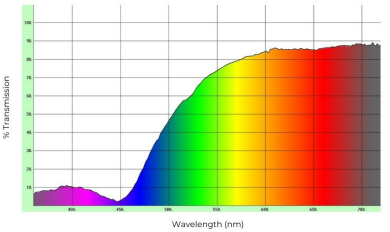
Yellow tints are frequently recommended for patients experiencing low vision. These tints can enhance contrast sensitivity, which is crucial for tasks like reading, recognizing faces, or navigating in low-light conditions. By filtering out blue light, the yellow tint increases the contrast between objects and their background, making it easier for patients to distinguish shapes and details.

This improvement in contrast can significantly reduce visual fatigue and make daily activities more manageable for those with low vision.

450

Light Transmittance: 71%

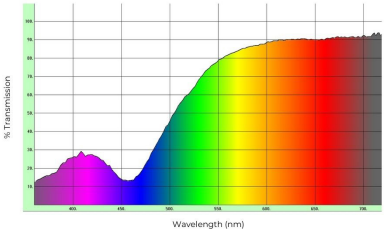
Spectrophotometry Graph



450x

Light Transmittance: 74%

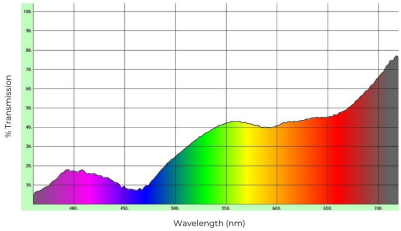
Spectrophotometry Graph



450XG

Light Transmittance: 38%

Spectrophotometry Graph



ORANGE TINTS

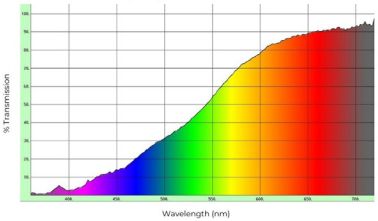
Orange tints are particularly effective for patients with severe visual impairments, including retinitis pigmentosa and other conditions where light sensitivity is a concern. These tints block out most of the blue and green wavelengths, reducing glare and improving contrast in both indoor and outdoor environments.

Orange tints can enhance visual clarity, making it easier for patients to perform tasks that require precise visual acuity. The reduction in glare also helps minimize visual discomfort, allowing patients to engage in activities for longer periods without experiencing eye strain.

511

Light Transmittance: 45%

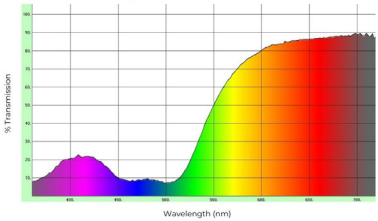
Spectrophotometry Graph



511X

Light Transmittance: 50%

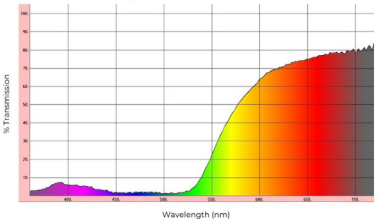
Spectrophotometry Graph



527

Light Transmittance: 33%

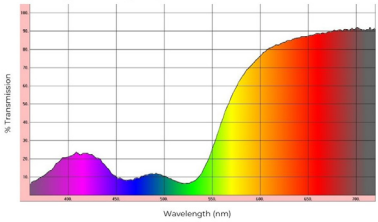
Spectrophotometry Graph



527X

Light Transmittance: 39%

Spectrophotometry Graph



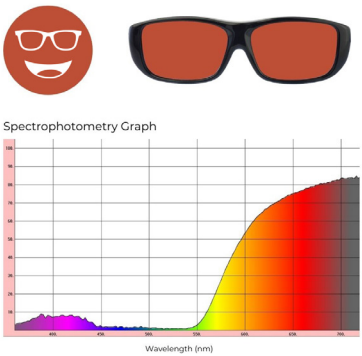
RED TINTS

Red tints are often recommended for patients with extreme light sensitivity or photophobia, such as those with achromatopsia. These tints filter out nearly all visible blue light and a significant portion of green light, which can be particularly harsh for sensitive eyes.

By minimizing the amount of light entering the eye, red tints provide maximum comfort in bright conditions, making outdoor activities more tolerable. Additionally, the deep red tint enhances contrast, helping patients better perceive their surroundings and reducing the likelihood of visual overload.

550

Light Transmittance: 20%

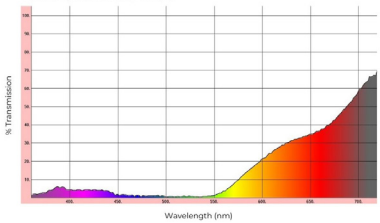


Spectrophotometry Graph

550XD

Light Transmittance: 8%

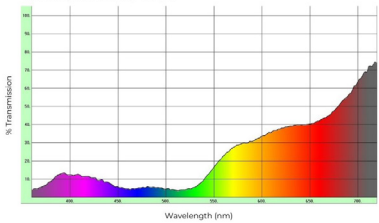
Spectrophotometry Graph



GLC (CPF Glare Cutter Simulation)

Light Transmittance: 19%

Spectrophotometry Graph



PLUM TINTS

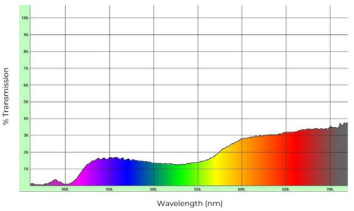
Plum tints are designed to enhance visual comfort for individuals with low vision by filtering out specific wavelengths of light that can cause discomfort and glare. These tints improve contrast sensitivity, making it easier for patients to perceive details and navigate various lighting environments.

By reducing glare and enhancing contrast, plum tints provide a more comfortable visual experience, particularly in challenging light conditions, helping patients maintain better clarity and comfort throughout their daily activities.

Noir #81 20% Plum

Light Transmittance: 19%

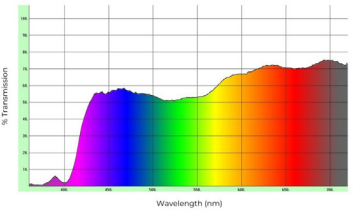
Spectrophotometry Graph



Noir #88 40% Light Plum

Light Transmittance: 57%

Spectrophotometry Graph



ABOUT CHADWICK OPTICAL

WHO WE ARE

We're a group of optical nerds infuriated by the apathy we often see in the current care system and we're on a mission to change that by creating solutions long after others have stopped trying.

We believe that every patient deserves the best care possible, and we want to help like-minded professionals like you deliver that.

As a company, Chadwick Optical has been around since 1981. Since then, we've become more than a specialty lens lab with low vision devices. We've become a trusted advisor and partner to private practitioners and VA hospitals around the country.

We're the people you call when you're stuck but determined to help your patient.

WHAT WE MAKE

What we make are creative solutions to your toughest cases. What we make are long-standing relationships with professionals like you.

But we also have a really cool lab and the ability and desire to manufacture most of those creative solutions.

Some of what we make includes*:

- The Peli Lens™
- Tints and Filters
- Custom RXs
- Diagnostic Kits

We also offer and recommend a range of low vision devices from manufacturers such as SCHWEIZER.

**Please visit our website to learn more about what we do and how we do it.*

CHADWICK OPTICAL

Let's Exceed the Standard of Care.™

800-410-1618
csr@chadwickoptical.com
596 Main St., Suite D
Schwenksville, PA 19473
CHADWICKOPTICAL.COM