



University Health Care

Moran Eye Center 

Information about FL-41 filter

FL-41 is a rose-colored filter that we have found to be useful in patients with migraine headaches, blepharospasm, and other light-sensitive conditions. FL-41 was first described in a research project that took place in Birmingham, England. In this study, children with migraine headaches wore FL-41 filtered spectacles. The researchers found that wearing FL-41 improved the light sensitivity in these children and also the frequency and severity of their migraine headaches. Since that time, we have successfully used FL-41 filtered lenses at the Moran Eye Center to treat this and other conditions.

Aided by funding from the Benign Essential Blepharospasm Research Foundation, we have found that blepharospasm patients are more light sensitive than people who do not have blepharospasm. We have also found that when a patient with blepharospasm has their light sensitivity treated, their blepharospasm symptoms are improved.

Recently we have tested FL-41 filtered lenses head-to-head against conventional gray sunglasses and plain, rose-colored tinted spectacles. We have found that almost all patients prefer wearing FL-41 filtered spectacles.

Frequently asked questions:

1. **How does FL-41 work?** Although we are not really sure *why* FL-41 improves light sensitivity, it likely has something to do with the wavelengths of light that are filtered out. FL-41 filters out certain wavelengths of blue and green. These colors are thought to be particularly bothersome to patients with light sensitivity. By blocking these wavelengths of light, this filter also improves contrast and sharpness which increases visual acuity.
2. **Can FL-41 filter be added to any glasses?** FL-41 filter is best absorbed by the regular (cr-39) plastic lens material. Applying the filter to polycarbonate lenses proves to be more difficult but can be done in most cases. If the lenses are glass or have the anti-reflective coating on them they cannot have the filter applied.



Normal Glasses



FL-41 Tint Glasses 50%

FL-41

- Specify FL-41 Tint
- Have pair to show Patients.
- Handout
- Not easy to obtain
 - Harefield Opticians
 - Vision express only on of 12 tinting companies
- Apply to current or old glasses
- Darker pair for outside 75%
- Lighter pair for inside or night driving 25%
- Not expensive
- Norval optical Regular CR-39 1.5 index brittle lens, higher prescription not replicate as well.



3. ***If my glasses are already tinted, can FL-41 be added?*** FL-41 can sometimes be added to lenses that have already been tinted. Occasionally the original tint has to be removed in order for the lens to absorb the FL-41 filter.
4. ***How much does it cost to add the FL-41 filter to my existing glasses?*** Applying the FL-41 filter to existing lenses typically costs \$35.00.
5. ***Does insurance cover the cost of FL-41 filter?*** Most insurance plans, including Medicare, do not cover the cost of adding tint to lenses. However, there may be exceptions, so contact your individual insurance provider.
6. ***Are there any side effects from wearing FL-41 filter?*** There are no known side effects from using this filter.
7. ***Can the filter be worn indoors or outdoors?*** If you want to wear FL-41 indoors and outdoors, we can apply the filter to separate pairs of glasses so that you can have a dark pair for outdoor wear and a light pair for indoor wear.
8. ***Where can I get FL-41 filter?*** The Moran Eye Center in Salt Lake City, UT can apply this filter to either your existing glasses (see question 2, above) or can create a new set of glasses for you with the filter built in. When applying this filter to your existing glasses the filter will be applied and returned to you within 10 days. If you would like a new set of glasses made please call (801)587-3765 to discuss what information needs to be obtained as well as the cost.
9. ***What if I don't like the filter?*** The tint can be removed from your lenses if for any reason you don't like it. However, if your lenses have had the darker filter applied it may not be possible to remove it 100 percent. There is an additional charge for removing the filter.

For more information, contact Mr. Charles Swallow at the Moran Eye Center Lab, 75 N. Medical Drive, Salt Lake City, UT 84132 or at (801) 585-7800

This document was created with Win2PDF available at <http://www.win2pdf.com>.
The unregistered version of Win2PDF is for evaluation or non-commercial use only.
This page will not be added after purchasing Win2PDF.