



How to use the solar eclipse glasses from the ASTRONOMICAL LEAGUE!

Answers to your questions about eclipse glasses safety...

1. Are the glasses safe?

Yes, they are safe. They meet ISO specifications. The transmission values for visible, IR, UVA, and UVB wavelengths have proven to be better than glasses from many well-known sources. Pairs of AL glasses have been used many times by AL members who were satisfied with their performance.

2. Why don't the glasses bear the ISO 12312-2:2015 designation?

The first batch of AL glasses does not show ISO 12312-2:2015 certification because they were made in late 2014. The ISO standard was not implemented until later in 2015, so any glasses made before that point will not have the standard printed on them, regardless of the source. However, the manufacturer of the AL glasses was well aware of the coming ISO standard. Therefore, it made them according to the procedures and materials that would soon be needed to meet the ISO standard 12312-2, also sometimes referred to as 12312-2:2015. All batches of glasses made for the Astronomical League meet the ISO standard.

3. Who is RJI?

RJI Publishing is a US company and a small importer with extensive business experience dealing with established manufacturers in Asia. This made it an attractive distributor for the limited number of solar eclipse glasses branded for the Astronomical League.

How to safely use these glasses:

- If the filters have pinholes, or are damaged in any way, do not look at the sun with them.
- **Do not use solar eclipse glasses in combination with binoculars or a telescope!** Both the filters and your eyes will be permanently damaged.
- Never look at the sun without the proper filters! If you do, you may not realize it, but you are damaging your vision. You may not feel immediate pain.

Place the glasses over your eyes before you look at the sun. Wear them as you would normal sunglasses. (If you wear eyeglasses, place the eclipse glasses over them. Remember, do not use eclipse glasses in combination with binoculars or a telescope.) You may safely gaze directly at the sun with these glasses. Supervise young children, making sure they use them correctly.

If you are viewing in an area that will experience totality...

- During totality, remove the glasses – otherwise you will miss one of the universe's grandest spectacles! Only during totality, it is completely safe to view the fully eclipsed sun without filters since you are not really seeing the sun's surface, but the moon's.
- Know how long totality lasts in your viewing area.
- Be aware of the elapsed time.
- Seconds before totality ends, place the eclipse glasses back over your eyes as before.