



## Lunar and Planetary Filter Set, 1.25"

#94119-10

Eyepiece filters are an invaluable aid in lunar and planetary observing. They reduce glare and light scattering, increase contrast through selective filtration, increase definition and resolution, reduce irradiation, and lessen eye fatigue.

Celestron's filters are made of high quality, solid plane parallel glass with excellent homogeneity. The colored filters are anti-reflection coated to prevent glaring and ghosting. All eyepiece filters are threaded to fit Celestron's, and most other manufacturer's, 1 1/4" eyepieces, and offer a full 26mm clear aperture.

Celestron filters are mounted in black anodized aluminum cells with the Kodak Wratten Series Number individually labeled, and each set comes with a plastic case for safe storage. The cells of each filter are double-threaded so they can be stacked (piggybacked) in various combinations. This allows you to create different color combinations and transmission characteristics or to have the same color characteristic, but with a lower transmission. When stacking color filters, the effective transmission of the combination you create is equal to the product of the spectral transmission of each of the filters used. We recommend stacking filters only if your telescope has at least 8" of aperture.

### #12 DEEP YELLOW, 74% LIGHT TRANSMISSION

**Saturn-** Penetrates and darkens atmospheric currents containing low-hue blue tones. Enhances orange and red features of the belts and zones. **Venus-** Reveals

low-contrast surface features. **Jupiter-** Penetrates and darkens atmospheric currents containing low-hue blue tones. Enhances orange and red features of the belts and zones. Useful for studies of the polar regions. **Mars-** Reduces light from the blue and green areas that darken the maria and canal markings while lightening the orange-hued desert regions. Also sharpens the boundaries of yellow dust clouds. **Neptune-** Improves detail in larger telescopes (11" and larger apertures). **Uranus-** Improves detail in larger telescopes (11" and larger apertures). **Moon-** Enhances lunar features. **Comets-** Enhances definition in comet tails.

### #21 ORANGE, 46% LIGHT TRANSMISSION

**Mars-** Reduces light from the blue and green areas that darken the maria and canal markings while lightening the orange-hued desert regions. Also sharpens the boundaries of yellow dust clouds. **Mercury-** Reduces the brightness of blue sky during daylight observing to reveal surface features. **Saturn-** Improves structure of the Saturnian bands and highlights blue polar regions. **Venus-** Use during daylight observing to reduce brightness of blue sky. **Jupiter-** Improves appearance and detail revealed in structure of Jovian belts. Enhances viewing of festoons and polar regions. **Moon-** Greatly enhances lunar features. **Comets-** Enhances definition of comet dust tails and heads in larger telescopes (11" and greater aperture). **Solar-** When using some Mylar solar filters, adding this orange filter restores true color rendition.

### #80A LIGHT BLUE, 30% LIGHT TRANSMISSION

**Jupiter-** Enhances the boundaries between the reddish belts and adjacent bright zones. Useful for viewing the Great Red Spot. **Mars-** Very useful during the violet clearing. Helpful in studying surface features and polar caps. **Mercury-** Improves observation of dusky surface markings at twilight, when the planet is near the horizon. **Saturn-** Enhances low-contrast features between the belts and zones. **Venus-** Provides increased contrast of dark shadings in upper

Venusian clouds. **Moon-** Enhances lunar detail. **Comets-** Brings out the best definition in comet gas tails.

### #96ND-0.3 NEUTRAL DENSITY, 50% LIGHT TRANSMISSION

**Moon-** Excellent for reducing irradiation, glare, and brightness. Colors are unaltered as light is transmitted uniformly over the entire spectrum. **Planets-** Stacking in combination with color filters lowers transmission but retains true color balance for specific applications. Reduces glare on brighter planets and minimizes irradiation. **Binary Stars-** Aids in splitting binary stars by reducing glare and diffraction effects around the brighter star of the binary pair.

### CARE AND CLEANING OF THE FILTERS

Avoid touching the optical surfaces of the filters. Handle each filter by its cell only. Keep the filters stored in the plastic case when not in use.

Dust should normally be removed with a blower bulb or an optical cleaning brush. If a filter must be cleaned, use optical grade tissue with a few drops of optical cleaning solution applied to the tissue. Gently wipe one small area at a time. Do not rub. Use a new tissue and solution for each wipe.

### CELESTRON TWO YEAR LIMITED WARRANTY

Celestron warrants your telescope mount to be free from defects in materials and workmanship for two years. Celestron will repair or replace such product or part thereof which, upon inspection by Celestron, is found to be defective in materials or workmanship. As a condition to the obligation of Celestron to repair or replace such product, the product must be returned to Celestron together with proof-of-purchase satisfactory to Celestron.

Products or instructions may change without notice or obligation. Designed and intended for those 14 years of age or older.

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celestron.com/pages/technical-support  
Telephone: 1(800)421-9649  
2835 Columbia Street • Torrance, CA 90503 USA