## ASTRO-PHYSICS E CELESTRON E SBIG E SOFTWARE-BISQUE E ZEISS TELESCOPES E MOUNTS E ACCESSORIES E FILTERS E ASTRO T-2 SYSTEM

planelarium

FULLY REMOTE CONTROLLED ASTRONOMICAL AND GEODAETIC DOMES



# No reflections · No straylight · Maximum brightness 11/4"-Premium Colored Glass-Filters

#### fineoptically polished / 7-layer MC-coated

All substrates fineoptically polished. These filters by far supersede the mediocre quality of common "flame polished" color filters.

Fineopticall polish and 2 mm thickness allows these filters to be inserted anywhere into the optical path without introducing astigmatism or other defects. For instance they can be used in front of a binocular viewer without degrading the image in any way.

Substrates are free of striae and planeparallel polished to within 30 seconds of arc. This eliminates any double images or ghosting due to wedge errors in the glass.

The set comprises three longpass and three genuine bandpass filters, which act similar to a nebula filter, so that only a small portion of the visual spectrum is transmitted to emphasize certain planetary surface detail.

# The set consists of following colors (Note the spectral trace for each color!)

Dark blue	(435 nm)	# 2458302
Bright blue	(470 nm)	# 2458303
Green	(500 nm)	# 2458304
Yellow	(495 nm)	# 2458301
Orange	(570 nm)	# 2458306
Red	(610 nm)	# 2458307

Transmission efficiencies for the three longpassfilters (Yellow, orange and red) peaks at 98%, while the efficiency for the three bandpass-filters peaks at almost 70 percent – unheared of for a simple colored glass-filter!

All filters have standard 1¼" eyepiece filter threads, tested and optimized to fit allmost all eyepieces on the market. Each filtercell has a male as well as a female thread to allow stacking for narrower passbands or to combine with our UV/IR-Cut-filter. The combination of the red RG 610 (# 2458307) and IR-Cut-filter (# 2459207) for instance results in an extremely narrow H- $\alpha$ passband-filter – at an increadibly cheap price. The filter cell features the largest clear aperture of any 11/4" filter on the market – for complete freedom from vignetting at any focal length.

The front "crown" incorporates milled notches, which makes handling and threading the filter an easy operation in the dark.

All surfaces are treated with a 7-layer Multi-Coating, featuring a mere 0.25% residual reflection. It is the most elaborous coating ever applied onto amateur color filters, resulting in a filter free of any false reflections under any incident angle of light.

As mentioned on www.clowdynights.com: LIGHT(-transmission) is **the hottest commodity** for all planetary observation. Especially during high magnification work "enough light" is the deciding factor for the recognition of subtlest planetary surface detail, much more important than a horde of different filters of mediocre execution.

#### Less is more:

7-layer MC-coatings not only provide a brighter image – most important of all – they prevent the softening effect of scattered light! Scattered light kills exactly those sublest features in planetary detail that this filter business is all about. Painstaking attention to coatings and perfect optical figuring are simple reasons why the image contrast through these premium filters is so rock-hard.

## 1<sup>1</sup>/<sub>4</sub>" Premium Color Filter-Set/6 pieces

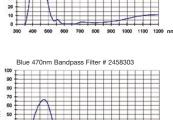
Item.-No.: 245 8300

### for purchasing individual Filters

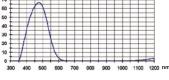
see Item.-No's at left

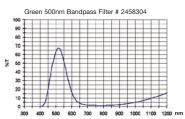
For best cleaning results we recommend: OPTICAL WONDER<sup>®</sup>

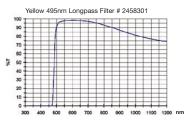
Fineoptical Cleaning Fluid 100 ml • Item-No.: 2905007 Super-Microfibre Cloth 10 x 10 inch • Item-No.: 2905000

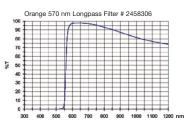


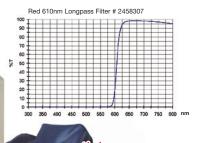
Dark Blue 435nm Bandpass Filter # 2458302











# promotion BAADER PLANETA

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