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Astronomer UHC-E filter in a 2" / 50.8 mm housing. Astronomik UHC-E is a budget filter for observing emission nebulae and comets under a sky polluted by light. Recommended especially for small telescopes. It blocks the wavelengths typical of street lighting, as well as the lighting of the atmosphere. The UHC-E filter is characterized by a half width of 45 nm, which allows it to pass a spectral line of carbon. This opens the possibility of observing comets. Mainly applicable – nebulous filter for observation in the city – anti-light pollution filter for small and medium telescopes – transmits more light than UHC filters – allows observation of comets – improves the visibility of clouds on Jupiter – facilitates the separation of double stars – good for photography under urban sky using SLR cameras and other cameras Usage – visual observations under dark sky: good, UHC seems to be a better choice – visual observations under the urban sky: good for telescopes with an aperture of up to 125 mm – film photography: good for very long exposure times – CCD photography: good when used with an additional IR filter – unmodified mirror photography: good, color balance is almost perfect – photo of a reflex camera modified for astrophotography: good, color balance is

almost perfect - webcam / video cameras for planetary photography: not applicable - webcam / video cameras for photos of nebular objects: very good if light pollution at the observation site is a big problem Technical parameters - FWHM = 45 nm - maximum transmission 94% - permeability range from 480 nm to 525 nm and from 645 nm onwards - diffraction-limited accuracy - parochal with other Astronomic filters - thickness: 1 mm - resistant to moisture, scratch, does not age alternatives The filter is especially recommended for telescopes with a diameter of up to 5" / 125 mm For larger telescopes, the UHC filter will provide a higher contrast improvement, and telescope holders over 8" / 200 mm can test O-III filters when observing certain nebulae.