

Deep-Sky Filter Summary Table								
#	Manufacturer	Model	Full Name	Manuf.'s Recommended Use	Contact	My Classification	Weighted % Transmissivity	
							Photopic	Scotopic
1	1000 Oaks	LP-1	LP-1 Broadband	Slight to moderately light polluted areas	www.thousandoaksoptical.com	wide band	16.8	50.6
2	1000 Oaks	LP-2	LP-2 Narrowband	Heavily light polluted areas		narrow band	9.3	26.5
3	1000 Oaks	LP-3	LP-3 O-III	Diffuse & planetary nebulae		O-III A	4.5	11.8
4	1000 Oaks	LP-4	LP-4 H-beta	Horsehead, California, & other faint nebulae		H-beta A	4.2	10.8
5	Andover Corporation	O-III	O-III	Heavily light polluted areas, planetary nebulae	www.andovercorp.com	O-III A	4.4	14.2
6	Andover Corporation	3ch Nebula	3 Channel Narrowband Nebula	Light polluted areas, planetary & emission nebulae		narrow band	12.5	32.9
7	Antares	ALP	Anti-Light Pollution, Broadband	block light pollution, improve view of emission nebulae	www.antaressoptical.com	wide band	26.0	59.6
8	Astro Hutech	O-III	IDAS O-III	narrow-band nebular + O-III passband modifier filter	www.sciencecenter.net/hutech/	O-III A	7.3	16.2
9	Astro Hutech	H-beta	IDAS H-beta	narrow-band nebular + Hbeta passband modifier filter		H-beta A	2.6	10.2
10	Astro Hutech	LPS-P1	IDAS Light Pollution Suppression v1	Light polluted areas, nebulae viewing, color balanced photography		multi band	46.3	73.5
11	Astro Hutech	LPS-P2	IDAS Light Pollution Suppression v2	Light polluted areas, nebulae viewing, color balanced photography		multi band	44.9	72.7
12	Astro Hutech	LPS-V3	IDAS LPS v3, Narrow Band Nebular	Provide maximum contrast between key emission lines and light polluted sky		wide band	22.5	54.3
13	Astro Hutech	LPS-V4	IDAS LPS v4, Narrow Band Nebular	Provide maximum contrast between key emission lines and light polluted sky		wide band	20.6	54.1
14	Astronomik	O-III	O-III	f3 to f15 & >6" aperture, substantial contrast gain on emission & planetary nebulae & supernova remnants	www.astronomik.com	O-III A	6.6	20.5
15	Astronomik	H-beta	H-beta	f4.5 to f6 optimal, f3.5 to f15 possible, >8" aperture, dim hydrogen emission nebulae		H-beta A	2.5	12.6
16	Astronomik	UHC	Ultra High Contrast	LPR, better views of deep-sky-objects, f4 to f15 & >4" aperture, CCD and DSLR photography		medium band	11.8	33.6
17	Astronomik	UHC-E	Ultra High Contrast - Economy	increase contrast between target and night sky, well suited for smaller telescopes <5", comets, jupiter's clouds, double stars, LPR for photography		medium band	23.9	42.5
18	Astronomik	CLS	"Clear Sky"?	budget filter for visual LPR, very good colour balance for photography (film or digital)		extra wide band	31.1	67.5
19	Baader Planetarium	O-III	O-III Visual Nebula	maximum contrast and image sharpness, emission & planetary nebulae	www.baader-planetarium.com	O-III B	2.0	6.5
20	Baader Planetarium	H-beta	H-beta Narrowband CCD	maximum contrast and image sharpness		H-beta B	1.1	5.4
21	Baader Planetarium	UHC-S	UHC-S Nebula	improved contrast over typical broadband filters without sacrificing stars like other UHC filters, great for smaller scopes, good for imaging		wide band	22.5	54.7
22	Baader Planetarium	Moon&Sky	Moon & Sky Glow	neodymium infused glass, enhances both planetary & deep sky contrasts by reducing skyglow from LP & Moon, RGB intensifier		special B	55.3	72.3
23	Baader Planetarium	Contrast	Contrast Booster	neodymium infused glass + minus violet filter, boosts lunar & planetary contrast, cuts skyglow, totally eliminates de-focused blue halo in achromats, natural colour balance, great for Mars		special B	53.1	48.9
24	Burgess Optical	LPR	Broadband Nebula - Light Pollution Reduction	a fine light pollution filter that passes a very high percentage of light originating from stellar sources, blocks light at wavelengths typically found in outdoor lighting	www.burgessoptical.com	wide band	26.9	47.7

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25	Custom Scientific	O-III	Narrowband O-III	one of most commonly used filters by researchers and serious amateurs, useful for capturing high resolution images with high light pollution	www.customscientific.com	O-III B	1.5	4.8
26	Custom Scientific	H-beta	Narrowband H-beta	one of most commonly used filters by researchers and serious amateurs, useful for capturing high resolution images with high light pollution		H-beta B	0.8	4.3
27	Custom Scientific	Multiband	Multiband H-beta / O-III / H-alpha	one of most commonly used filters by researchers and serious amateurs, useful for capturing high resolution images with high light pollution		narrow band	5.5	21.5
28	DGM	O-III	High Performance O-III	maximum enhancement of emission and reflective nebula	users.erols.com/dgmoptics/	O-III B	10.4	10.7
29	DGM	NPB	Narrow Pass Band Nebula	UHC type, small & fainter emission & planetary nebula, retains natural star colours		narrow band	12.3	22.6
30	DGM	VHT	Very High Throughput Nebula	smaller scopes (4-6"), compromise between UHC and broadband, enhance view of emission & reflective nebula with minimum star dimming		medium band	14.1	33.3
31	DGM	GCE	Galaxy Contrast Enhancement	aids visual observation of galaxies & Milky Way dust clouds & dark lanes, general purpose LPR, most of visible spectrum passed		extra wide band	33.4	67.7
32	Denkmeier Optical	O-III	Hi Def O-III	the square transmission curves mean only photons in the desired emission bandpasses of the observed object are viewed, red halos around stars will not be present, a more natural and contrasty view results	www.denkmeier.com	O-III B	2.0	7.8
33	Denkmeier Optical	UHC	Hi Def Ultra High Contrast	the square transmission curves mean only photons in the desired emission bandpasses of the observed object are viewed, red halos around stars will not be present, a more natural and contrasty view results		medium band	10.7	38.8
34	Denkmeier Optical	Planetary	Hi Def Planetary	very unique contrast enhancement filter, see brighter greens and reds, greatly improve contrast of Mars, Jupiter, & Saturn		special A	52.8	54.3
35	Lumicon	O-III	O-III	narrow band pass, near-photographic views of Veil, Ring, Dumbbell, Orion, use on diffuse/planetary/faint nebulae, optimum exit pupil L2-5mm/D3-7mm	www.lumicon.com	O-III A	3.8	12.6
36	Lumicon	H-beta	H-beta	extremely faint nebulae like California, Cocoon & Horsehead, used best under clear skies & large aperture, optimum exit pupil L3-7mm/D4-7mm		H-beta A	2.4	10.1
37	Lumicon	UHC	Ultra High Contrast	superb views of Orion, Lagoon, Swan and other extended nebulae, best all-around dark-sky nebular filter, optimum exit pupil L1-4mm/D2-6mm		narrow band	7.0	24.8
38	Lumicon	Deepsky	Deepsky	LPR, imaging of all types of deepsky objects, high contrast views of Martian polar caps, optimum exit pupil L0.5-2mm/D1-4mm		wide band	23.8	60.6
39	Lumicon	Comet	SWAN	enhances cyanogen wavelength in comet tails, narrow pass band allows OII and C2		special A	9.3	21.3
40	Meade	O-III	O-III	Diffuse & planetary nebulae	www.meade.com	O-III A	6.7	16.7
41	Meade	Narrow	Narrowband Nebular	striking contrast between nebula and background, best with >25mm ep, not intended for photography, useful on fewer objects but those objects are greatly enhanced		narrow band	8.9	28.1
42	Meade	Wide	Wideband Nebular	LPR, photography, enhances nebula mostly but does improve contrast on galaxies		medium band	10.2	37.8

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43	Omega Optical	O-III	OIII Narrow CCD	precision interference filter, narrow band pass, best for CCD imaging	www.omegafilters.com	O-III B	1.7	5.6
44	Omega Optical	H-beta	Hb Narrow	precision interference filter, narrow band pass, best for CCD imaging		H-beta B	4.1	6.8
45	Omega Optical	Wide	Hb&OIII Nebula II	precision interference filter, relatively broad pass band allwos Hbeta & OIII wavelengths		wide band	20.2	49.4
46	Omega Optical	Narrow	Hb&OIII Nebula	precision interference filter, narrow pass band allows Hbeta & OIII wavelengths		medium band	12.0	34.3
47	Omega Optical	Hg&Na	Hg&Na Skylight Reject	multi band interference filter, cuts out prominent light pollution wavelengths but maintains high overall transmission		extra wide band	52.5	72.8
48	Omega Optical	Imaging	Colour Enhancing LPF	enhances recording of colour images, especially on bright objects like moon and planets, reduces light pollution, removes cyan and yellow that mute Hue		multi band	50.4	50.9
49	Optec Inc.	O-III	O-III	Diffuse & planetary nebulae	www.optecinc.com/astronomy	O-III B	3.2	9.7
50	Optec Inc.	Deepsky	Deepsky	blocks UV, violet, & sodium light completely		extra wide band	33.6	59.4
51	Orion	O-III	O-III	reveal more wondrous details when viewing nebulas, completely blocks all other visible wavelengths, for >8" aperture, visual use only	www.telescope.com	O-III A	4.2	13.8
52	Orion	H-beta	H-beta	visually capture elusive faint nebulas, perhaps only way to see Horsehead, California, & Cocoon, best with a moderate to large aperture scope & clear dark skys		H-beta A	1.8	9.5
53	Orion	Ultrablock	Ultrablock	for deep-sky observers at highly light polluted sites, enhances the sky presence of a significant number of fainter deep-sky objects		narrow band	8.7	26.5
54	Orion	Skyglow-B	Skyglow Broadband	enhances deep-sky observing in moderately light polluted skies, improves the view of nebulas, galaxies, & clusters		extra wide band	26.5	64.8
55	Orion	Skyglow-I	Skyglow Imaging	deep-sky CCD or DSLR imaging from light polluted skies, enhances all types of deep-sky objects (galaxies, nebulas, clusters), preserves neutral colour balance		multi band	61.9	68.5
56	Orion	Mars	Mars	high performance visual filter for improving views of Mars, improves view of polar ice caps, subtle mare shadings, cloud activity, dramatic improvements even in smaller telescopes		special A	29.2	52.6
57	Sirius Optics	NEB1	Nebula	-	out-of-business	medium band	17.7	41.1
58	Sirius Optics	CE1	Contrast Enchance	-		special A	60.9	50.1
59	Sirius Optics	PC1	Planetary Contrast	-		special A	40.7	35.9
60	Sirius Optics	NPC	Neodymium Planetary Contrast	-		special B	49.0	55.1
61	TS Optics	O-III	O-III	narrowband nebular filter for observing and imaging	www.telescope-service.com	O-III B	3.0	9.9
62	TS Optics	UHC	Ultra High Contrast	contrast boosting filter for deep sky observing		narrow band	5.9	22.2
63	Televue Optics	O-III	Bandmate O-III	enhances planetary nebulae in larger scopes	www.televue.com	O-III A	9.7	27.3
64	Televue Optics	Nebustar	Bandmate Nebustar	high-performance dielectric squarewave "UHC" type general purpose narrow-band filter, great for all nebulae types and instrument sizes		medium band	14.9	42.5