

Planetary Filter Summary Table

Colour Group	Colour	Wratten #	Specification		My Measured		Manuf. Of Tested Filter	Notes
			Photopic %Trans	Scotopic %Trans	Photopic %Trans	Scotopic %Trans		
purples	lt pink	1a	86.0	85.7	88.4	90.6	Celestron	different from spec
	lt pink	1a	86.0	85.7	87.1	85.9	Kakon	ok match to spec
	dk magenta	30	28.9	10.2	-	-	-	-
	dk violet	47	2.9	17.6	17.0	39.5	Hirsch	colour actually lt violet
	dk violet	47	2.9	17.6	0.1	1.9	Meade	very different from spec
	lt magenta	cc20m	67.5	70.7	68.5	67.8	Tiffen	good match to spec
	lt magenta	cc30m	58.6	62.7	59.3	62.2	Tiffen	good match to spec
	magenta	cc40m	50.6	55.3	50.4	54.8	Tiffen	good match to spec
	<i>Orion Mars</i>	-	29.2	52.6	-	-	-	colour is dk magenta
	blues	lt blue	82a	72.5	76.6	71.8	76.6	Vivitar
lt blue		82b	64.3	70.6	61.7	81.1	Hirsch	colour actually cyan
blue		80a	27.8	46.0	24.6	54.4	Hirsch	different from spec
dk blue		38a	16.4	37.8	1.9	14.9	Meade	very different from spec
lt cyan		cc20c	78.5	85.4	-	-	-	-
cyan		cc40c	69.7	81.7	-	-	-	-
lt blue		cc20b	62.2	70.6	-	-	-	-
blue		cc40b	42.5	56.5	-	-	-	-
greens	green	56	52.1	45.4	40.4	35.6	Meade	different from spec
	yellow-green	11	39.6	38.8	67.8	62.0	Hirsch	colour actually lt green
	yellow-green	11	39.6	38.8	42.3	39.4	Kodak	good match to spec
	dk green	58	23.3	22.4	22.1	19.4	Hirsch	different from spec
	lt green	cc20g	77.6	75.6	-	-	-	-
	green	cc40g	67.3	64.0	-	-	-	-
yellows	lt yellow	8	83.7	52.9	91.7	85.6	Meade	different from spec
	yellow	12a	75.3	31.1	86.3	65.2	Hirsch	different from spec
	dk yellow	15	67.6	22.1	75.7	15.9	Lumicon	ok match to spec
	lt yellow	cc20y	89.4	79.9	88.2	78.9	Tiffen	good match to spec
	yellow	cc40y	87.9	71.4	-	-	-	-
	<i>Baader Fringe Killer</i>	-	98.4	88.3	-	-	-	colour is lt yellow
oranges	lt brown	81a	82.2	78.5	81.4	76.8	Hoya	good match to spec
	lt brown	81b	77.1	72.2	82.5	73.3	Vivitar	ok match to spec
	lt orange	85	63.5	47.3	73.6	53.0	Vivitar	different from spec
	orange	21	47.5	7.7	34.5	9.2	Hirsch	very different from spec
	<i>Denkmeier Planetary</i>	-	52.8	54.3	-	-	-	colour is brown
reds	lt red	23a	27.3	1.8	33.7	3.0	Hirsch	ok match to spec
	red	25a	15.8	0.4	14.4	0.4	Hirsch	good match to spec
	dk red	29	7.1	0.1	7.2	0.1	Lumicon	good match to spec
	lt red	cc20r	65.9	61.0	-	-	-	-
	lt red	cc30r	56.7	50.7	56.7	45.5	Vivitar	ok match to spec
	red	cc40r	48.2	41.2	-	-	-	-