



DESCRIPTION

Catalog Number

KODAK WRATTEN 2 OPTICAL FILTERS

- Rigid/durable.
- Easy to handle.
- Color consistent today as well as 6 months from now.

Basic Color Filters — Used to alter the color wavelength of light.

Filter No.	Description/Use	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
2A	Pale yellow. Absorbs ultraviolet radiation.	191 6535	105 3107	825 7610
2B	Pale yellow. Absorbs ultraviolet radiation, slightly less than No. 2A.	154 2315	130 2579	872 2670
2E	Pale yellow. Absorbs more ultraviolet radiation than No. 2A.	830 1285	132 9481	893 0406
12	Deep yellow. Minus blue filter.	820 5387	807 5566	129 6524
15	Deep yellow. Darkens sky in landscape photography.	828 8003	811 0405	144 5220
24	Red.	8381816	8007825	1858877
25	Red tricolor. Color separation work, tricolor printing, and infrared photography.	842 4988	840 0905	145 6540
29	Red. Color separation with Nos. 47 and 61 and tricolor printing work.	163 4773	893 5645	136 5188
47	Blue tricolor. Color separation work with Nos. 29 and 61.	164 2701	183 2591	181 2007
58	Green tricolor. Color separation and tricolor printing.	190 9266	192 5627	130 0847



DESCRIPTION

Catalog Number

Special Dye Color Filters — Color filters that incorporate rare dye materials. Used to alter the color wavelength of light.

Filter No.	Description/Use	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
3	Light yellow. Absorbs excessive sky blue.	188 1580	853 9835	139 8858
9	Deep yellow. More dramatic effect than No. 8.	149 5506*	149 6975*	828 7096
26	Red.	150 7250	174 9415	805 8976
47A	Light blue. Exciting fluorescein dyes in medical applications.	8825663	1364546	8211088
61	Deep green tricolor. Tricolor work with Nos. 29 and 47.	149 5894*	149 7445*	187 6598
70	Dark red.	168 5056	—	169 0460
92	Red. Color densitometry.	176 9348*	178 0121*	874 5085
102	Yellow-green. Converts barrier-layer photocell response to eye luminosity response.	170 4048*	187 7034*	101 0149
106	Amber. Converts an S-4 type photocell response to the eye-luminosity response.	170 4055*	187 7042*	813 3811

Color Conversion Filters — Enable significant adjustments in the color temperature of the illumination as required (e.g., daylight to artificial light).

80A, 80B, 80C, 80D — Blue series of conversion filters for use with color films.

85, 85N3, 85N6, 85N9, 85B, 85C — Amber series of conversion filters for use with color films.

Filter No.	75 mm (3-inch) Square	100 mm (4-inch) Square
80A	881 2083	157 9879
80B	874 2959	190 9886
80C	176 5197	832 0855
80D	850 5620	874 2108
85	853 3556	139 2992
85N3	197 9673	878 6204
85N6	845 1833	168 7532
85N9	840 3750	179 3165
85B†	—	—
85C†	—	—

† See page 7.

Note: Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.



DESCRIPTION

Catalog Number

Infrared Filters — For use in infrared photographic applications.

Filter No.	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
87	163 8063	879 5601	178 6946
87A	164 8989	156 9656	869 8953
87B	822 2804	159 6949	879 4943
87C	160 2143	104 7679	895 5593
89B	823 9378	838 0065	187 7224

Light Balancing Filters — Enable minor adjustments in the color quality of illumination to obtain cooler (bluish) or warmer (yellowish) color rendering.

81, 81A, 81B, 81C, 81D, 81EF — Yellowish series of light-balancing filters.

82, 82A, 82B, 82C — Bluish series of light-balancing filters.

Filter No.	75 mm (3-inch) Square	100 mm (4-inch) Square
81	813 1161	838 6062
81A	139 7272	142 3482
81B	831 6671	161 6424
81C	149 1927	803 6881
81D	850 2916	881 8627
81EF	156 3485	179 9469
82	193 6111	883 9078
82A	806 3745	122 5648
82B	130 6356	866 1373
82C	814 1517	858 2488



DESCRIPTION

Catalog Number

WRATTEN 2 Optical Neutral Density No. 96 Filters — Used to reduce the intensity of light by a definite ratio, without affecting the tonal rendition of colors. Neutrality is superb only in the visible spectrum.

Filter No.	% Transmission	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
0.10	80.0	119 8597	153 7554	125 9738
0.20	63.0	892 8442	177 9826	805 5022
0.30	50.0	893 4200	150 1949	835 0597
0.40	40.0	801 7048	185 1864	866 2157
0.50	32.0	827 9689	129 7399	881 7793
0.60	25.0	860 2401	119 5890	110 2755
0.70	20.0	115 9086	181 4664	821 0221
0.80	16.0	853 2947	198 1588	816 0665
0.90	13.0	196 4741	862 3548	811 8192
1.00	10.0	838 3572	126 9349	835 6065
2.00	1.0	151 0890	167 1544 [†]	884 0548 [†]
3.00	0.1	864 5541	192 4810 [†]	115 7403 [†]
4.00	0.01	150 7748	857 4832 [†]	132 4532 [†]

[†]Total transmission variation may slightly exceed manufacturing tolerance within the peripheral area 4 mm from edges.

Carbon Neutral Density — Used to reduce the intensity of light by a definite ratio, without affecting the tonal rendition of colors. Improved neutrality on the UV and IR. Q Factor = 1.15.

Filter No.	% Transmission	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
0.10	80.0	864 1383	139 2125	130 3528
0.30	50.0	856 1201	183 0850	164 2495
0.50	32.0	882 9962	833 3205	175 6170
0.60	25.0	167 4464	840 6993	188 2547
0.90	13.0	873 6654	174 6155	888 6202
1.00	10.0	179 4270	830 9213	124 2239



DESCRIPTION

Catalog Number

KODAK WRATTEN GELATIN FILTERS

- Stocked items are deliverable to most locations in 2 business days.
- Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.
- Bulk pricing is available for all products listed below.

Basic Color Filters — Used to alter the color wavelength of light.

Filter No.	Description/Use	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
2A†	Pale yellow. Absorbs ultraviolet radiation.	—	—	—
2B†	Pale yellow. Absorbs ultraviolet radiation, slightly less than No. 2A.	—	—	—
2E†	Pale yellow. Absorbs more ultraviolet radiation than No. 2A.	—	—	—
8	Yellow. Transmits less blue than No. 3.	149 5498	149 6967*	195 9493
11	Yellowish-green. Corrects panchromatic film rendition to match tungsten impression of scene.	149 5514*	149 6983*	—
12†	Deep yellow. Minus blue filter (see No. 32 for minus-green and No. 44A for minus-red).	—	—	—
15†	Deep yellow. Darkens sky in landscape photography.	—	—	—
16	Yellow-orange. Greater over-correction of sky than No. 15.	149 5555*	149 7023*	138 2761
22	Deep orange. Contrast filter, greater effect than No. 21.	149 5571*	149 7049*	118 3052
24†	Red.	—	—	—
25†	Red tricolor. Color separation work, tricolor printing, and infrared photography.	—	—	—
29†	Red. Color separation with Nos. 47 and 61 and tricolor printing work.	—	—	—
47	Blue tricolor. Color separation work with Nos. 29 and 61.	149 5787	149 7205*	819 2767
58	Green tricolor. Color separation and tricolor printing.	149 5860	149 7395*	121 3040
90	Dark grayish amber.	149 6280*	149 7783*	—
99	Green. Equivalent to No. 61 plus No. 16 filter.	149 6306	174 0901*	820 3572

Note: Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.

† Discontinued, available in WRATTEN 2 (see page 1).



DESCRIPTION

Catalog Number

Special Dye Color Filters — Color filters that incorporate rare dye materials. Used to alter the color wavelength of light.

Filter No.	Description/Use	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
3	Light yellow. Absorbs excessive sky blue.	149 5464	149 6926*	826 2479
9†	Deep yellow. More dramatic effect than No. 8.	—	—	—
21	Orange. Contrast filter for blue and blue-green absorption.	149 5563	149 7031*	801 5109
26†	Red.	—	—	—
32	Magenta. Minus-green (No. 12 is minus-blue, No. 44A is minus-red).	149 5654*	149 7122*	827 0399
34A	Violet. For minus-green and plus-blue separation.	149 5688*	149 7155*	811 5073
38A	Blue. Absorbs red, some UV and green light.	149 5720*	149 7197*	186 1293
44	Light blue-green. Minus-red filter with much UV absorption.	149 5746*	149 7213*	158 9910
44A	Light blue-green. Minus-red (No. 12 is minus-blue, and No. 32 is minus-green).	149 5753*	179 7221*	894 5727
47A	Light blue. Exciting fluorescein dyes in medical applications.	175 5776*	176 3945*	171 6372
47B	Deep blue tricolor. Color separation and tricolor work.	149 5795	149 7270*	168 1659
48A	Deep blue.	—	—	803 2377
61	Deep green tricolor. Tricolor work with Nos. 29 and 47.	149 5894*	149 7445*	187 6598
66	Very light green.	—	—	869 8482
70†	Used for making separation positives from color negative film.	—	—	—
92†	Red. Color densitometry.	—	—	—
93	Green.	—	—	127 6401
98	Blue. Equivalent to No. 47B plus No. 2B filter.	149 6298	174 0893*	841 6992
102	Yellow-green. Converts barrier-layer photocell response to eye luminosity response.	170 4048*	187 7034*	101 0149
106†	Converts an S-4 type photocell response to the eye-luminosity response.	—	—	—

Note: Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.

† Discontinued, available in WRATTEN 2 (see page 2).



DESCRIPTION

Catalog Number

Color Conversion Filters — Enable significant adjustments in the color temperature of the illumination as required (e.g., daylight to artificial light).

80A, 80B, 80C, 80D — Blue series of conversion filters for use with color films.

85, 85N3, 85N6, 85N9, 85B, 85C — Amber series of conversion filters for use with color films.

Filter No.	75 mm (3-inch) Square	100 mm (4-inch) Square
80A†	—	—
80B†	—	—
80C†	—	—
80D†	—	—
85†	—	—
85N3†	—	—
85N6†	—	—
85N9†	—	—
85B	149 6173	149 7700*
85C	149 6181	149 7718*

Note: Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.

† Discontinued, available in WRATTEN 2 (see page 2).



DESCRIPTION

Catalog Number

Color Compensating Filters — Control color by attenuating principally the red, green, or blue part of the spectrum. Can be used to make changes in the color balance of images recorded on color films, or compensate for deficiencies in the spectral quality of a light source.

Filter No.	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
CC025C	170 4089	170 4550*	131 6678
CC05C	149 6520*	149 7908*	893 0422
CC10C	149 6538	149 7916*	178 0063
CC20C	149 6546	149 7924*	156 0929
CC30C	149 6553	149 7932*	828 7427
CC40C	149 6561	149 7940*	800 0721
CC50C	149 6579*	149 7957*	830 3976
CC025M	170 4105	170 4568*	150 0073
CC05M	149 6645	149 8021*	157 8491
CC10M	149 6652	149 8039*	109 2618
CC20M	149 6660	149 8047*	110 4116
CC30M	149 6678	149 8054*	151 8505
CC40M	149 6686	149 8062*	—
CC50M	149 6694*	149 8070*	832 4089
CC025Y	170 4121	184 3911*	840 5318
CC05Y	149 6769	149 8146*	832 9245
CC10Y	149 6777	149 8153*	860 8945
CC20Y	149 6785	149 8161*	821 1112
CC30Y	149 6793	149 8179*	141 4804
CC40Y	149 6801*	149 8187*	181 0969
CC50Y	149 6819*	149 8195*	110 3183
CC025R	140 1215	140 3641*	892 6594
CC05R	149 6702*	149 8088*	131 5670
CC10R	149 6710	149 8096*	177 5212
CC20R	149 6728*	149 8104*	862 2151
CC30R	149 6736	149 8112*	—
CC40R	149 6744*	149 8120*	—
CC50R	149 6751*	149 8138*	809 7594

Note: Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.



DESCRIPTION

Catalog Number

Color Compensating Filters — Continued

Filter No.	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
CC025G	148 2983	101 8886*	896 3399
CC05G	149 6587	149 7965*	155 2256
CC10G	149 6595	149 7973*	878 9067
CC20G	149 6603	149 7981*	151 9990
CC30G	149 6611	149 7999*	—
CC40G	149 6629*	149 8005*	897 2986
CC50G	149 6637*	149 8013*	119 5577
CC025B	142 8788	143 6484*	899 0566
CC05B	149 6462	149 7841*	181 1538
CC10B	149 6470	149 7858*	807 8164
CC20B	149 6488	149 7866*	161 7042
CC30B	149 6496	149 7874*	130 8832
CC40B	149 6504	149 7882*	135 3572
CC50B	149 6512*	149 7890*	818 9003

Note: Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.



DESCRIPTION

Catalog Number

Light Balancing Filters† — Enable minor adjustments in the color quality of illumination to obtain cooler (bluish) or warmer (yellowish) color rendering.

81, 81A, 81B, 81C, 81D, 81EF — Yellowish series of light-balancing filters.

82, 82A, 82B, 82C — Bluish series of light-balancing filters.

† Discontinued, available in WRATTEN 2 (see page 3).

Infrared Filters — For use in infrared photographic applications.

87, 87C — Visibly opaque.

89B — Visibly opaque (useful for aerial applications).

Filter No.	75 mm (3-inch) Square	100 mm (4-inch) Square	100 x 300 mm (4 x 12 inch) Rectangle
87	149 6256*	149 7759*	162 3768
87A	—	—	875 2370
87B	174 3970	—	104 0518
87C†	—	—	—
89B†	—	—	—

† Discontinued, available in WRATTEN 2 (see page 3).

Note: Non-stocked items, indicated by an asterisk (*), are delivered to most locations in 2 weeks or less.

Neutral Density No. 96 Filters† — Used to reduce the intensity of light by a definite ratio, without affecting the tonal rendition of colors. Neutrality is superb only in the visible spectrum.

† Discontinued, available in WRATTEN 2 (see page 4).