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Filters

Dichroics provide brilliant spectral purity for low or high wattage applications.

Accucolor offers 35 stock colors. Upon request Accucolor will coat custom colors and color combinations.

Accucolor™	PN	Accucolor™	PN	Accucolor™	PN
Terracotta	DF-A011	French Blue	DF-BB051	Lilac	DF-PR041
Orange Spice	DF-A012	Lagoon Blue	DF-BB052	Amethyst	DF-PR043
Amber Sand	DF-A013	Emerald	DF-G061	Purple Haze	DF-PR044
Salmon	DF-A014	Peacock	DF-G062	Midnight	DF-PR045
Pale Peach	DF-A016	Teal	DF-G064	Dusk	DF-PR046
Mandarin	DF-A017	Clear Green	DF-G065	Garnet	DF-R021
Whisper Blue	DF-B051	Coral Reef	DF-P031	Scarlet Dahlia	DF-R022
Heavens Blue	DF-B052	Bordeaux	DF-P032	Blazing Ember	DF-R023
Triton	DF-B053	California Poppy	DF-P034	Lemon Peel	DF-Y001
Cyan	DF-B054	Rose	DF-P035	Gold Dust	DF-Y002
Marine Blue	DF-B057	Whisper Pink	DF-P036	Apricot	DF-Y003
Sapphire	DF-B059	Mauve	DF-P037		

Color Correction Filters are used in applications where it is desirable to modify the spectral characteristics of various light sources ranging from 2850° Kelvin to 5900° Kelvin. Upon request Accucolor designs custom color correction filters based on specific correction requirements.

Color Correction	PN	Description
Full Blue (CTB)	DF-CC001	Converts 3200°K sources to normal daylight
3/4 Blue	DF-CC013	Converts 3200°K sources to 4700°K
1/2 Blue	DF-CC002	Converts 3200°K sources to 4100°K
1/3 Blue	DF-CC003	Converts 3200°K sources to 3800°K
1/4 Blue	DF-CC004	Converts 3200°K sources to 3500°K
1/8 Blue	DF-CC012	Converts 3200°K sources to 3300°K
Full Plus Green	DF-CC005	Adds green to artificial and natural daylight sources
1/4 Plus Green	DF-CC006	Adds partial green to artificial and natural daylight sources
Full Minus Green	DF-CC020	Removes excess green from fluorescent sources
1/2 Minus Green	DF-CC019	Reduces green from fluorescent and other discharge sources
1/4 Minus Green	DF-CC018	Reduces green from fluorescent and other discharge sources
1/8 Minus Green	DF-CC007	Reduces green from fluorescent and other discharge sources
Sun 85	DF-CC008	Converts 5500°K sources to 3200°K
Full Orange (CTO)	DF-CC009	Converts 5500°K sources to 2900°K
3/4 Orange	DF-CC014	Converts 5500°K sources to 3200°K
1/2 Orange	DF-CC024	Converts 5500°K sources to 3800°K
1/4 Orange	DF-CC021	Converts 5500°K sources to 4500°K
1/8 Orange	DF-CC011	Converts 5500°K sources to 4900°K
Full Straw (CTS)	DF-CC017	Converts 5500°K sources to 2900°K (yellowier version of CTO)
1/2 Straw	DF-CC015	Converts 5500°K sources to 3800°K (yellowier version of 1/2 CTO)
1/4 Straw	DF-CC016	Converts 5500°K sources to 4500°K (yellowier version of 1/4 CTO)



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Equal Path™ Filters are the solution to the ever-present “halo” of color around the edge of the filter. Accucolor Equal Path Filters corrects the halo and illuminates the area with the desired color.

Frosted Dichroics soften the focus by changing the contrast of light and shadow at the same time.

Cold Mirrors-visible are used in applications where it is desirable to reflect a cool beam of visible light and remove the heat by transmission.

Cold Mirrors-ultraviolet are used in applications such as film processing, ultraviolet curing and ultraviolet fluorescence to reflect a maximized beam of ultraviolet light and remove the heat by transmission.

Hot Mirrors are used in applications where it is desirable to transmit a cool beam of visible light and remove the heat by reflection. Modified Hot Mirrors also available.

Anti-Reflection filters are the solution to the problem of unwanted surface reflection.

UV Blocking filters are used in applications where it is desirable to illuminate the subject with visible light and avoid the harmful UV A and B light which breaks down most cloth, paint and photographs.

UV Transmitting filters are used in specialty applications where it is desirable to illuminate the subject with ultraviolet light and view visible fluorescence.

Semi-Covert filters reduce the visible output of a light source while allowing infrared to pass through. T(ave)< 1% 400-700nm, T(ave)> 70% 850-2500nm

Covert filters block the visible output from a light source and allows only infrared to pass through. T(ave)< 1% from 400-800nm, T(ave)> 70% from 950-2500nm

PN	Description	
DF-CLEAR	Uncoated	Use as safety lens and for high-temperature applications (up to 450 C / 825 F)
DF-FROSTED	Frosted, Uncoated	Frosted lens softens and diffuses more than CA-16, less than C73 Prismatic, beam edge barely perceptible
DF-C73	Prismatic Filter	Softens and diffuses more than CA-16 or frosted lens, eliminates light beam edge
DF-CA16	Softening Filter (Solite)	Reduces glare, softens and diffuses, light beam edge remains perceptible
DF-SKYTEX	Linear Spread Filter	Reduces glare, softens and diffuses, light beam edge remains perceptible

Color Filter Glass	PN	Description	Rosco #	Permacolor # (most similar)	Lee #	Gam #	Apollo #	Abrisa #
Ruby (dark) Red	DF-CFG15.2S	rich deep red	27	6500	027	250	8350	201
Cherry (med) Red	DF-CFG15.1S	rich bright red	26	6100	026	245	8300	
Med Amber	DF-CFG11.8F	warm orange-gold	15	5401	015	395	6900	207
Light Amber	DF-CFG11.2S	light orange-gold	08+07	3408	764+233	435+364	6700	
Dark Blue	DF-CFG13.6S	warm med blue-red	80	1080	714	845	4200	208
Light Blue	DF-CFG13.8S	cooling light blue (1/2 CTB)	3204	3204	202	842	2020	211
Dark Green	DF-CFG12.5S	rich green-yellow	89+86	4959	089+88	650+450	5940+5800	206
Light Green	DF-CFG12.1S	cool light green-yellow	388	1086	245+138	540+535	5960x2	402
Yellow	DF-CFG16.1S	bright sunny yellow	312	5200	101	450	6500	203
Pale Plum	DF-CFG14.8S	pale warm violet-pink	3410+3313	1018	248+223	328+107	7900	401