

ROSCO color filter/gel

Numeric edition

Fixture settings: linear dimming curve + 8 bit mode + LED boost off

The following DMX values are made by photometric data measurements and test comparison with COM 12 PC and CP 90 halogen lamp.

Proxy color simulation	Filter brand	Filter code	Filter name	Main application	LINEAR CURVE						QUADRATIC CURVE					
					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R01	Light Bastard Amber	Enhances fair skin tones. Suggests strong sunlight.	255	6	4	132	94	72	255	39	32	183	155	135
	ROSCO	R02	Bastard Amber	Good where a tint of color is needed. Excellent for natural skin tones.	255	152	11	255	255	88	255	197	53	255	255	150
	ROSCO	R03	Dark Bastard Amber	Most saturated Bastard Amber.	255	0	4	255	106	117	255	0	32	255	164	173
	ROSCO	R04	Medium Bastard Amber	Especially useful when cross lit with a cool color. Excellent for natural sunlight.	255	0	13	255	9	200	255	0	58	255	48	226
	ROSCO	R05	Rose Tint	A clean pale pink; useful as a blush for skin tones.	255	29	23	255	0	255	255	86	77	255	0	255
	ROSCO	R06	No Color Straw	Slightly off white. Good for interiors.	255	208	21	255	0	156	255	230	73	255	0	199
	ROSCO	R07	Pale Yellow	Double saturation of 06.	255	97	17	255	25	255	255	157	66	255	80	255
	ROSCO	R08	Pale Gold	Warmer straw. Flattering to skin tones.	255	78	17	255	0	255	255	141	66	255	0	255
	ROSCO	R09	Pale Amber Gold	Deep straw. Good for late afternoon sunsets or firelight.	255	156	0	255	105	20	255	199	0	255	164	71
	ROSCO	R10	Medium Yellow	Yellow with green. Good for special effects. Unflattering in acting areas.	255	255	0	255	0	180	255	255	0	255	0	214
	ROSCO	R11	Light Straw	Pale yellow with slight red content. Useful for candle effects. Can be used for area lighting. For bright day feeling.	255	0	1	52	0	197	255	0	16	115	0	224
	ROSCO	R12	Straw	Greener yellow than 10. Special effects and accents. Use with caution on skin tones.	255	255	0	255	0	141	255	255	0	255	0	190
	ROSCO	R120	Red Diffusion	Combine a color with Matte Diffusion. Aids in broad, even illumination of cycs and drops.	255	0	0	6	0	4	255	0	0	39	0	32
	ROSCO	R121	Blue Diffusion	Combine a color with Matte Diffusion. Aids in broad, even illumination of cycs and drops.	17	255	198	0	255	29	66	255	225	0	255	86
	ROSCO	R122	Green Diffusion	Combine a color with Matte Diffusion. Aids in broad, even illumination of cycs and drops.	0	255	0	0	0	56	0	255	0	0	0	119
	ROSCO	R124	Red Cyc Silk	Combine a color with 104 Tough Silk.	255	0	0	3	0	0	255	0	0	28	0	0
	ROSCO	R125	Blue Cyc Silk	Useful in border and striplights to prevent scalloping; helps illuminate cycs and drops.	2	255	222	0	255	40	23	255	238	0	255	101
	ROSCO	R126	Green Cyc Silk	Useful in border and striplights to prevent scalloping; helps illuminate cycs and drops.	0	255	0	0	0	23	0	255	0	0	0	77

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					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R127	Amber Cyc Silk	A secondary color combined with 104 Tough Silk.	255	0	0	0	0	42	255	0	0	0	0	103
	ROSCO	R13	Straw Tint	Much less green than in other straws. Suggests warm sunlight glow when contrasted with ambers and blues.	255	5	5	255	29	250	255	36	36	255	86	252
	ROSCO	R14	Medium Straw	Pale amber-higher red content than 12. Sunlight, accents, area lighting with caution to skin tones.	255	0	0	0	0	137	255	0	0	0	0	187
	ROSCO	R15	Deep Straw	Warm golden amber with some green. Useful for special effects-candlelight, firelight.	255	0	0	0	0	108	255	0	0	0	0	166
	ROSCO	R16	Light Amber	Excellent area light. Light pink-amber tint. Safe for most light skin tones.	255	64	0	255	122	32	255	128	0	255	176	90
	ROSCO	R17	Light Flame	Heavier pink-amber tint. Useful for dance. Especially useful when balanced with a cool color. Good general warm tint in striplights.	255	0	3	255	24	138	255	0	28	255	78	188
	ROSCO	R18	Flame	Warm pinkish amber. Afternoon sunset. Good sidelight.	255	32	0	48	36	73	255	90	0	111	96	136
	ROSCO	R19	Fire	Strong red amber. Excellent for fire effects.	255	0	0	0	0	26	255	0	0	0	0	81
	ROSCO	R20	Medium Amber	Afternoon sunlight. Lamplight and candlelight. Tends to depress color pigment values.	255	2	0	0	0	89	255	23	0	0	0	151
	ROSCO	R2001	Storaro Red		255	0	0	32	0	7	255	0	0	90	0	42
	ROSCO	R2002	Storaro Orange		255	0	0	0	0	68	255	0	0	0	0	132
	ROSCO	R2003	Storaro Yellow		255	0	0	0	0	118	255	0	0	0	0	173
	ROSCO	R2004	Storaro Green		0	255	0	0	3	78	0	255	0	0	28	141
	ROSCO	R2005	Storaro Cyan		0	255	48	0	255	178	0	255	111	0	255	213
	ROSCO	R2006	Storaro Azure		9	255	157	12	255	8	48	255	200	55	255	45
	ROSCO	R2007	Storaro Blue		90	255	90	36	36	35	151	255	151	96	96	94
	ROSCO	R2008	Storaro Indigo		40	66	255	225	255	48	101	130	255	240	255	111
	ROSCO	R2009	Storaro Violet		255	0	71	154	0	62	255	0	135	198	0	126
	ROSCO	R2010	Storaro Magenta		255	11	33	255	5	40	255	53	92	255	36	101
	ROSCO	R21	Golden Amber	Useful for amber cyc light and late sunsets.	255	0	0	0	0	68	255	0	0	0	0	132

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	ROSCO	R22	Deep Amber	Very useful as a backlight. Dramatic specials and firelight.	255	0	0	0	0	42	255	0	0	0	0	103
	ROSCO	R23	Orange	Provides a romantic sunlight through windows for evening effects.	255	39	0	255	0	0	255	100	0	255	0	0
	ROSCO	R24	Scarlet	Very deep amber. Red with a touch of blue.	255	0	0	220	0	11	255	0	0	237	0	53
	ROSCO	R25	Orange Red	Good for firelight or special effects. Use when red with higher yellow content is needed.	255	0	0	0	0	19	255	0	0	0	0	70
	ROSCO	R26	Light Red	Vibrant red. Good alternative primary.	255	0	0	16	0	8	255	0	0	64	0	45
	ROSCO	R27	Medium Red	Good red primary for use with three-color light primary systems in cyclorama lighting, footlights, and border lights.	255	0	0	9	0	0	255	0	0	48	0	0
	ROSCO	R30	Light Salmon Pink	Excellent for general area washes. Gives overall warming effect to skin tones.	255	0	0	121	101	41	255	0	0	176	160	102
	ROSCO	R302	Pale Bastard Amber		255	164	20	255	2	155	255	204	71	255	23	199
	ROSCO	R303	Warm Peach	Heavier Amber-pink tint. Useful to create warm sunlight.	255	0	3	255	0	122	255	0	28	255	0	176
	ROSCO	R304	Pale Apricot	A peach amber. More yellow than 305.	255	180	7	159	45	0	255	214	42	201	107	0
	ROSCO	R305	Rose Gold	A pale blush amber for skin tones and backlight.	255	0	18	255	16	235	255	0	68	255	64	245
	ROSCO	R31	Salmon Pink	General wash. Good for follow spots.	255	0	4	121	102	40	255	0	32	176	161	101
	ROSCO	R310	Daffodil	A soft medium yellow. Can be used for creating naturalistic effects such as early morning sunlight or for special effects.	255	255	0	255	0	78	255	255	0	255	0	141
	ROSCO	R3114	UV Filter		255	109	25	255	8	255	255	167	80	255	45	255
	ROSCO	R312	Canary	Warmer than 10. A bright, vibrant yellow that evokes exotic sunlight. Use with caution on skin.	255	0	0	255	0	219	255	0	0	255	0	236
	ROSCO	R313	Light Relief Yellow	Vibrant Yellow. More red than 312. Less green than all other yellows.	255	0	0	0	0	172	255	0	0	0	0	209
	ROSCO	R316	Gallo Gold	A pale reddish gold, good for creating sunrise or sunset, or simulating incandescent light. A flattering naturalistic backlight color. Can be used for warm area lighting.	255	30	4	255	0	170	255	87	32	255	0	208
	ROSCO	R317	Apricot	A rosy amber which produces a romantic sunset color. Useful as sidelight or backlight color.	255	20	0	255	26	105	255	71	0	255	81	164
	ROSCO	R318	Mayan Sun	A medium salmon color which evokes feeling of a tropical island. A good sunset color. Interesting backlight and accent color. Good for warm tonal effects.	255	0	3	250	0	99	255	0	28	252	0	159
	ROSCO	R32	Medium Salmon Pink	Deepest of the salmon pinks.	255	0	4	255	20	40	255	0	32	255	71	101

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					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R3202	Full Blue CTB	Boosts 3200K to 5500K	255	240	86	255	150	255	255	247	148	255	196	255
	ROSCO	R3203	Three Quarter Blue		128	195	57	220	2	236	181	223	121	237	23	245
	ROSCO	R3204	Half Blue	Boosts 3200K to 4100K	255	243	54	255	0	254	255	249	117	255	0	254
	ROSCO	R3206	Third Blue:	Boosts 3200K to 3800K	255	80	40	255	140	255	255	143	101	255	189	255
	ROSCO	R3208	Quarter Blue	Boosts 3200K to 3500K	255	152	39	255	22	255	255	197	100	255	75	255
	ROSCO	R321	Soft Golden Amber	An amber with some green content. A good sunlight transition color that shows the progression of the sun from white or yellow to amber later in the day.	255	29	1	30	5	71	255	86	16	87	36	135
	ROSCO	R3216	Eighth Blue	Boosts 3200K to 3300K	255	182	28	255	40	180	255	215	84	255	101	214
	ROSCO	R3218	Full Blue Plus		0	222	100	246	54	255	0	238	160	250	117	255
	ROSCO	R3220	Double Blue		90	255	90	36	36	35	151	255	151	96	96	94
	ROSCO	R324	Gypsy Red	Vibrant orange-red. Helps red and orange scenery pop.	255	0	8	255	4	0	255	0	45	255	32	0
	ROSCO	R325	Henna Sky		255	0	0	16	0	35	255	0	0	64	0	94
	ROSCO	R33	No Color Pink	A pale almost colorless pink.	255	0	6	132	200	47	255	0	39	183	226	109
	ROSCO	R3304	Tough Plusgreen	To balance daylight sources to cool white fluorescents.	255	185	11	255	50	254	255	217	53	255	113	254
	ROSCO	R3308	Tough Minusgreen	Converts cool white fluorescents to daylight.	255	0	28	255	27	204	255	0	84	255	83	228
	ROSCO	R3309	3/4 Minusgreen		255	0	28	255	37	219	255	0	84	255	97	236
	ROSCO	R331	Shell Pink	Warmer and lighter than 31. Good for fair skin tones and to emphasize romance.	255	0	4	132	140	50	255	0	32	183	189	113
	ROSCO	R3310	Fluorofilter		255	0	3	255	2	101	255	0	28	255	23	160
	ROSCO	R3313	Tough 1/2 Minusgreen	Partial green absorbing filter.	255	69	24	255	54	160	255	133	78	255	117	202
	ROSCO	R3314	Tough 1/4 Minusgreen	Partial green absorbing filter.	255	86	28	255	9	231	255	148	84	255	48	243
	ROSCO	R3315	Tough 1/2 Plusgreen	Adds partial green to balance with fluorescents.	255	161	20	255	20	255	255	203	71	255	71	255

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					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R3316	Tough 1/4 Plusgreen	Adds partial green to balance with fluorescents.	255	115	23	255	26	255	255	171	77	255	81	255
	ROSCO	R3317	Tough 1/8 Plusgreen	Adds partial green to balance with fluorescents.	255	134	25	255	0	243	255	185	80	255	0	249
	ROSCO	R3318	Tough 1/8 Minusgreen	Partial green absorbing filter.	255	100	27	255	0	240	255	160	83	255	0	247
	ROSCO	R332	Cherry Rose	A tropical pink that is good for musicals or concert lighting. A good backlight color. Interesting accent color. Good for a splash of sunset color.	255	0	3	240	14	6	255	0	28	247	60	39
	ROSCO	R333	Blush Pink	A pink tint that is excellent for most skin tones. A good color for warm area lighting. Lighter than 33.	255	99	30	255	15	190	255	159	87	255	62	220
	ROSCO	R336	Billinton Pink		255	2	18	255	120	71	255	23	68	255	175	135
	ROSCO	R337	True Pink	A cool pink excellent for washes and general illumination. A good follow spot color. A component of early morning sunrise.	255	0	25	255	43	167	255	0	80	255	105	206
	ROSCO	R339	Broadway Pink	A deep, saturated pink created for musicals and specials. Excellent for down and backlighting.	255	0	13	80	0	14	255	0	58	143	0	60
	ROSCO	R34	Flesh Pink	Useful for bright musicals. Creates a happy atmosphere.	255	12	8	255	122	48	255	55	45	255	176	111
	ROSCO	R3401	Roscoun 85 (wide width)		255	0	5	255	0	189	255	0	36	255	0	220
	ROSCO	R3405	Roscoun 85N.3		255	195	0	223	12	0	255	223	0	238	55	0
	ROSCO	R3406	Roscoun 85N.6		255	150	0	96	6	0	255	196	0	156	39	0
	ROSCO	R3407	Roscoun CTO	Converts 5500K to 2900K	255	41	0	255	14	116	255	102	0	255	60	172
	ROSCO	R3408	Roscoun 1/2 CTO	Converts 500K to 3800K	255	0	11	255	0	255	255	0	53	255	0	255
	ROSCO	R3409	Roscoun 1/4 CTO	Converts 5500K to 4500K	255	25	17	229	35	250	255	80	66	242	94	252
	ROSCO	R3410	Roscoun 1/8 CTO	Converts 5500K to 4900K	255	166	20	255	6	159	255	206	71	255	39	201
	ROSCO	R3411	Roscoun 3/4 CTO		255	63	4	255	3	126	255	127	32	255	28	179
	ROSCO	R342	Rose Pink	Extremely intense, hot pink. Produces strong washes of color for concert and dance. Combined with a complimentary color like turquoise, will create a dynamic, sculptured effect.	255	0	5	108	0	0	255	0	36	166	0	0
	ROSCO	R343	Neon Pink	A bright, dark pink excellent for musicals or rock and roll concert lighting. A good color for creating fake neon effects with fluorescent tubes.	255	6	15	255	0	28	255	39	62	255	0	84
	ROSCO	R344	Follies Pink	A vibrant, almost fluorescent pink with a cool component. Traditionally important as a special effects color in the Broadway musical. Follow spot and dance applications as a modeling color.	255	6	24	251	100	0	255	39	78	253	160	0

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	ROSCO	R3441	Full Straw CTS		255	62	0	255	16	120	255	126	0	255	64	175
	ROSCO	R3442	Half Straw 1/2 CTS		255	27	11	255	0	255	255	83	53	255	0	255
	ROSCO	R3443	Quarter Straw 1/4 CTS		255	80	20	255	3	255	255	143	71	255	28	255
	ROSCO	R3444	Eighth Straw 1/8 CTS		255	157	21	255	6	179	255	200	73	255	39	214
	ROSCO	R346	Tropical Magenta		255	0	27	194	0	4	255	0	83	222	0	32
	ROSCO	R347	Belladonna Rose	Powerful magenta-purple. Good effects filter for dance.	255	5	51	52	0	0	255	36	114	115	0	0
	ROSCO	R348	Purple Jazz	A dusky purple. Good for simulating purple neon or old night club atmosphere.	255	0	59	255	21	48	255	0	123	255	73	111
	ROSCO	R349	Fischer Fuchsia	A medium fuchsia good for special effects. An interesting backlight or accent color.	255	0	34	171	0	0	255	0	93	209	0	0
	ROSCO	R35	Light Pink	Similar to 33, but slightly deeper.	255	0	27	255	3	240	255	0	83	255	28	247
	ROSCO	R351	Lavender Mist		255	120	39	255	0	250	255	175	100	255	0	252
	ROSCO	R353	Lilly Lavender	Same intensity as 55 with more red content.	255	192	90	254	2	254	255	221	151	254	23	254
	ROSCO	R355	Pale Violet	A cool lavender which acts as a neutral in a three color area lighting system. Will work well as a wash for drops or set pieces. Tones the space. Effective as moonlight shadows.	255	180	135	255	255	255	255	214	186	255	255	255
	ROSCO	R356	Middle Lavender	A lavender halfway between 52 and 57 in hue and value. Useful for general illumination and side-lighting.	255	100	80	255	16	255	255	160	143	255	64	255
	ROSCO	R357	Royal Lavender	A rich lavender which will enhance blue and red costumes and scenic pieces. Excellent for nighttime scenes. Rich, vivid accents, good in backgrounds.	233	34	255	240	245	102	244	93	255	247	250	161
	ROSCO	R358	Rose Indigo	A warm, red purple that recalls the Jazz Age. Useful for creating saturated color effects in live performance situations-club and musical group lighting.	255	26	181	255	70	27	255	81	215	255	134	83
	ROSCO	R359	Medium Violet	Midnight and moonlight illusions. Enforces mysterious mood. Useful for evening cyc wash.	0	170	221	255	255	0	0	208	237	255	255	0
	ROSCO	R36	Medium Pink	Good for general washes and cross lighting.	255	12	12	255	115	55	255	55	55	255	171	118
	ROSCO	R360	Clearwater	The slightest blue tint. Excellent for eliminating amber shift when lights are running low on a dimmer. Good for cool area light.	255	151	62	255	148	255	255	196	126	255	194	255
	ROSCO	R362	Tipton Blue	A soft clean blue. Good choice for cool area lighting. Can also be used to shift the amber of lamps running at low dimmer levels.	252	255	80	255	161	255	253	255	143	255	203	255
	ROSCO	R363	Aquamarine	A pale blue-green color. Can be used for area lighting. A soft backlight color.	252	255	80	255	161	255	253	255	143	255	203	255

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	ROSCO	R364	Blue Bell	A clean light red blue. Creates naturalistic daylight fill color. Good cool area light.	190	180	96	191	255	255	220	214	156	221	255	255
	ROSCO	R365	Tharon Delft Blue	Clean blue with more red than 364. A true color correction filter for film. Converts 3200°K to 5500°K. Good for area light.	129	100	96	240	255	255	181	160	156	247	255	255
	ROSCO	R366	Jordan Blue	More green than 65. A crisp light blue-green.	67	255	45	27	16	70	131	255	107	83	64	134
	ROSCO	R367	Slate Blue	Clean medium blue. Good for sky color or moonlight.	18	255	80	150	190	79	68	255	143	196	220	142
	ROSCO	R368	Winkler Blue		144	255	144	0	255	180	192	255	192	0	255	214
	ROSCO	R369	Tahitian Blue	Slightly more green than 69.	0	255	101	0	255	216	0	255	160	0	255	235
	ROSCO	R37	Pale Rose Pink	Blue Pink. Use in general washes and toning.	255	0	28	255	55	196	255	0	84	255	118	224
	ROSCO	R370	Italian Blue	Good to create eerie and mysterious effects. Good for night time water effects.	0	255	44	0	255	128	0	255	106	0	255	181
	ROSCO	R371	Theatre Booster 1	Less red than 3202.	190	255	46	255	255	2	220	255	108	255	255	23
	ROSCO	R372	Theatre Booster 2	Slightly lighter and less red than 3204.	255	255	50	255	34	220	255	255	113	255	93	237
	ROSCO	R373	Theatre Booster 3	Slightly lighter and less red than 3208.	255	152	37	255	38	255	255	197	97	255	98	255
	ROSCO	R374	Sea Green	For enhancing water scenes or deep sea environments. Greener than 73.	34	255	26	16	38	41	93	255	81	64	98	102
	ROSCO	R375	Cerulean Blue		0	255	59	0	255	186	0	255	123	0	255	218
	ROSCO	R376	Bermuda Blue	A soothing green blue. More blue than 76. A good conventional moonlight color. Interesting tonal color.	28	255	40	37	32	37	84	255	101	97	90	97
	ROSCO	R377	Iris Purple	Medium neutral lavender. Good wash light.	255	182	223	0	255	45	255	215	238	0	255	107
	ROSCO	R378	Alice Blue	A rich clean red blue that warms to lavender when dimmed.	234	255	212	255	255	255	244	255	233	255	255	255
	ROSCO	R38	Light Rose	Similar uses as 37, but with greater saturation.	255	0	26	255	28	210	255	0	81	255	84	231
	ROSCO	R381	Baldassari Blue		0	255	255	171	255	10	0	255	255	209	255	50
	ROSCO	R382	Congo Blue	Deep blue more saturated than 385. Good for dark night skies or for a backlight color. A great color for rock and roll concert lighting.	116	0	235	0	255	0	172	0	245	0	255	0
	ROSCO	R383	Sapphire Blue	A deep romantic blue on the red side.	17	155	255	0	255	30	66	199	255	0	255	87

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	ROSCO	R384	Midnight Blue	An intense red-blue. Deeper than 83 with a little more red.	0	2	180	0	255	0	0	23	214	0	255	0
	ROSCO	R385	Royal Blue	Excellent for non-realistic backgrounds. A very saturated blue. Pronounced red content that will shift toward purple when dimmed. Low transmission but will offer a striking contrast when used as a background with lighter accents.	40	62	255	0	255	0	101	126	255	0	255	0
	ROSCO	R386	Leaf Green		255	78	26	255	70	255	255	141	81	255	134	255
	ROSCO	R388	Gaslight Green	A yellow-green similar to the color emitted by gas lighting fixtures. Appropriate for period pieces i.e. La Boheme, and useful for creating reflections from fields and meadows.	255	4	3	0	97	255	255	32	28	0	157	255
	ROSCO	R389	Chroma Green	Suggests reflected light from dense foliage. A brilliant cyc lighting color which will work for chroma-keying effects in television production	0	255	4	0	54	247	0	255	32	0	117	251
	ROSCO	R39	Skelton Exotic Sangria	Skelton Exotic Sangria	255	0	13	60	7	0	255	0	58	124	42	0
	ROSCO	R392	Pacific Green	Cyc Wash. Good Costume color. Magical on skin.	18	255	27	52	154	68	68	255	83	115	198	132
	ROSCO	R393	Emerald Green	An exaggerated green. Nearly double intensity as 93, less blue than 95.	0	255	18	0	9	34	0	255	68	0	48	93
	ROSCO	R395	Teal Green	A medium green-blue which can be used as a mystical special effect color. Also an interesting side or backlight color in concert lighting.	0	255	22	0	255	86	0	255	75	0	255	148
	ROSCO	R397	Pale Grey	A half stop neutral density.	255	140	25	255	26	214	255	189	80	255	81	234
	ROSCO	R40	Light Salmon	Similar uses to 23 but a bluer color.	255	0	2	255	0	63	255	0	23	255	0	127
	ROSCO	R41	Salmon	Light orange with high blue content.	255	0	0	35	0	32	255	0	0	94	0	90
	ROSCO	R42	Deep Salmon	More red than 342.	255	0	2	140	1	0	255	0	23	189	16	0
	ROSCO	R4215	CalColor 15 Blue		255	148	46	255	36	255	255	194	108	255	96	255
	ROSCO	R4230	CalColor 30 Blue		226	146	60	255	120	205	240	193	124	255	175	229
	ROSCO	R4260	CalColor 60 Blue		249	159	110	58	0	255	252	201	167	122	0	255
	ROSCO	R4290	CalColor 90 Blue		207	255	200	206	255	20	230	255	226	229	255	71
	ROSCO	R43	Deep Pink	Rich, hot pink. Electric in effect with rich saturation.	255	0	12	255	84	4	255	0	55	255	146	32
	ROSCO	R4315	CalColor 15 Cyan		255	189	33	255	50	255	255	220	92	255	113	255
	ROSCO	R4330	CalColor 30 Cyan		145	255	39	255	18	255	192	255	100	255	68	255

Proxy color simulation	Filter brand	Filter code	Filter name	Main application	LINEAR CURVE						QUADRATIC CURVE					
					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R4360	CalColor 60 Cyan		180	255	42	126	240	255	214	255	103	179	247	255
	ROSCO	R4390	CalColor 90 Cyan		49	255	31	118	255	102	112	255	89	173	255	161
	ROSCO	R44	Middle Rose	Musical pink. Lush accents. Very versatile color.	255	3	20	255	60	25	255	28	71	255	124	80
	ROSCO	R4415	CalColor 15 Green		255	180	15	255	73	206	255	214	62	255	136	229
	ROSCO	R4430	CalColor 30 Green		255	1	3	0	146	255	255	16	28	0	193	255
	ROSCO	R4460	CalColor 60 Green		255	255	2	0	29	255	255	255	23	0	86	255
	ROSCO	R4490	CalColor 90 Green		62	255	0	0	0	255	126	255	0	0	0	255
	ROSCO	R45	Rose	Use on scenery and background effects. Adds tone and modeling to scenery.	255	0	8	219	0	0	255	0	45	236	0	0
	ROSCO	R4515	CalColor 15 Yellow		255	77	15	255	40	255	255	140	62	255	101	255
	ROSCO	R4530	CalColor 30 Yellow		255	76	7	255	40	255	255	139	42	255	101	255
	ROSCO	R4560	CalColor 60 Yellow		255	195	0	0	0	0	255	223	0	0	0	0
	ROSCO	R4590	CalColor 90 Yellow		255	170	0	0	0	11	255	208	0	0	0	53
	ROSCO	R46	Magenta	Similar uses as 45 where more saturation is needed.	255	0	4	39	10	0	255	0	32	100	50	0
	ROSCO	R4615	CalColor 15 Red		255	0	21	255	18	255	255	0	73	255	68	255
	ROSCO	R4630	CalColor 30 Red		255	6	3	134	114	69	255	39	28	185	170	133
	ROSCO	R4660	CalColor 60 Red		255	0	2	255	36	74	255	0	23	255	96	137
	ROSCO	R4690	CalColor 90 Red		255	0	0	138	0	42	255	0	0	188	0	103
	ROSCO	R47	Light Rose Purple	Good for eerie or dramatic effects. Beautiful backlight color.	255	72	55	255	49	73	255	135	118	255	112	136
	ROSCO	R4715	CalColor 15 Magenta		255	70	30	255	15	190	255	134	87	255	62	220
	ROSCO	R4730	CalColor 30 Magenta		255	0	18	255	178	56	255	0	68	255	213	119

Proxy color simulation	Filter brand	Filter code	Filter name	Main application	LINEAR CURVE						QUADRATIC CURVE					
					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R4760	CalColor 60 Magenta		255	1	29	255	56	45	255	16	86	255	119	107
	ROSCO	R4790	CalColor 90 Magenta		255	11	33	255	5	40	255	53	92	255	36	101
	ROSCO	R48	Rose Purple	Pale evening color. Excellent for backlight.	255	53	40	255	55	23	255	116	101	255	118	77
	ROSCO	R4815	CalColor 15 Pink		255	60	24	255	15	190	255	124	78	255	62	220
	ROSCO	R4830	CalColor 30 Pink		255	0	21	255	8	170	255	0	73	255	45	208
	ROSCO	R4860	CalColor 60 Pink		255	0	4	255	156	0	255	0	32	255	199	0
	ROSCO	R4890	CalColor 90 Pink		255	0	6	231	33	26	255	0	39	243	92	81
	ROSCO	R49	Medium Purple	Darkest of the magenta purple range.	255	0	37	136	0	0	255	0	97	186	0	0
	ROSCO	R4915	CalColor 15 Lavender		255	88	42	255	0	255	255	150	103	255	0	255
	ROSCO	R4930	CalColor 30 Lavender		255	40	51	255	0	255	255	101	114	255	0	255
	ROSCO	R4960	CalColor 60 Lavender		255	67	55	255	93	72	255	131	118	255	154	135
	ROSCO	R4990	CalColor 90 Lavender		255	0	112	255	32	160	255	0	169	255	90	202
	ROSCO	R50	Mauve	Subdued sunset effect. Useful in backlights. To create seedy atmosphere.	255	0	6	255	0	40	255	0	39	255	0	101
	ROSCO	R51	Surprise Pink	Touch of color when white light is not desirable.	255	110	44	255	0	255	255	167	106	255	0	255
	ROSCO	R52	Light Lavender	Excellent for general area or border light washes. It is a basic followspot color.	255	80	63	255	1	255	255	143	127	255	16	255
	ROSCO	R53	Pale Lavender	Use when a touch of color is needed.	255	138	41	255	39	255	255	188	102	255	100	255
	ROSCO	R54	Special Lavender	Same as 53, but warmer. Useful for beams of realistic moonlight.	255	109	50	255	43	255	255	167	113	255	105	255
	ROSCO	R55	Lilac	Same as 53, but cooler.	218	195	73	216	4	255	236	223	136	235	32	255
	ROSCO	R56	Gypsy Lavender	Highly saturated, good for side and backlighting and non-realistic effect.	99	168	255	255	141	48	159	207	255	255	190	111
	ROSCO	R57	Lavender	Excellent backlight. Gives good visibility without destroying night illusions.	255	168	100	250	44	195	255	207	160	252	106	223

Proxy color simulation	Filter brand	Filter code	Filter name	Main application	LINEAR CURVE						QUADRATIC CURVE					
					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R58	Deep Lavender	Excellent back light. Enhances dimensionality.	255	175	156	255	22	118	255	211	199	255	75	173
	ROSCO	R59	Indigo	The original Congo Blue. A purple-blue, highly saturated, for modeling effects and non-realistic atmospheres.	255	0	255	0	229	40	255	0	255	0	242	101
	ROSCO	R60	No Color Blue	Helps maintain white light when dimmer is at low intensity.	255	255	57	255	45	255	255	255	121	255	107	255
	ROSCO	R61	Mist Blue	Excellent for general area washes. Very light cool tint of blue.	255	255	46	255	48	225	255	255	108	255	111	240
	ROSCO	R62	Booster Blue	Helps maintain white light when dimmer is at low intensity.	250	180	45	10	30	195	252	214	107	50	87	223
	ROSCO	R63	Pale Blue	Good for creating an overcast look and feeling.	130	195	49	186	2	238	182	223	112	218	23	246
	ROSCO	R64	Light Steel Blue	Useful for beams of realistic moonlight.	149	255	100	93	255	165	195	255	160	154	255	205
	ROSCO	R65	Daylight Blue	Useful for achieving depressed moods and dull skies.	90	255	60	0	14	103	151	255	124	0	60	162
	ROSCO	R66	Cool Blue	A pale green shade of blue; good for area or general washes. Creates an icy feeling on stage.	226	146	36	150	160	220	240	193	96	196	202	237
	ROSCO	R67	Light Sky Blue	Excellent sky color. Useful for cyc and border lights.	72	255	50	1	7	25	135	255	113	16	42	80
	ROSCO	R68	Sky Blue	Excellent for early morning sky tones. Popular among designers for cyc and borders.	29	255	134	0	255	47	86	255	185	0	255	109
	ROSCO	R69	Brilliant Blue	Used for dramatic moonlight effects.	15	255	80	2	255	40	62	255	143	23	255	101
	ROSCO	R70	Nile Blue	Useful for very light midday skies. Occasionally used for general cool tint.	0	255	70	255	220	255	0	255	134	255	237	255
	ROSCO	R71	Sea Blue	Occasionally used for general cool tint and non-realistic washes.	17	255	45	49	60	68	66	255	107	112	124	132
	ROSCO	R72	Azure Blue	A clean slightly green blue. Good moonlight fill.	67	255	45	0	15	103	131	255	107	0	62	162
	ROSCO	R73	Peacock Blue	Good for fantasy, moonlight and water effects.	18	255	38	88	176	78	68	255	98	150	212	141
	ROSCO	R74	Night Blue	Fantasy moonlight. Crisp and beautiful. Popular as a backlight or sidelight in contrast to area light.	0	0	90	0	255	0	0	0	151	0	255	0
	ROSCO	R75	Twilight Blue NEW	Less green & crisper than 76.	9	156	51	0	255	29	48	199	114	0	255	86
	ROSCO	R76	Light Green Blue	Distinctive greenish blues. Useful for romantic moonlight.	2	91	37	0	255	0	23	152	97	0	255	0
	ROSCO	R77	Green Blue	Distinctive greenish blues. Useful for romantic moonlight.	21	255	97	0	255	0	73	255	157	0	255	0

Proxy color simulation	Filter brand	Filter code	Filter name	Main application	LINEAR CURVE						QUADRATIC CURVE					
					RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME
	ROSCO	R78	Trudy Blue	A rich clean red blue that warms to lavender when dimmed.	67	255	100	120	59	125	131	255	160	175	123	179
	ROSCO	R79	Bright Blue	Cool clear bright blue.	0	255	196	0	255	31	0	255	224	0	255	89
	ROSCO	R80	Primary Blue	Primary blue. For use with three color light primary system in cyc lighting.	14	255	157	0	255	0	60	255	200	0	255	0
	ROSCO	R81	Urban Blue	Very cold brittle feeling.	0	255	231	13	255	255	0	255	243	58	255	255
	ROSCO	R82	Surprise Blue	Deep rich blue with slight amount of red.	148	255	166	12	255	0	194	255	206	55	255	0
	ROSCO	R83	Medium Blue	Good for non-realistic night skies.	11	7	97	0	255	0	53	42	157	0	255	0
	ROSCO	R84	Zephyr Blue	A true blue with excellent punch for bright skies. Lovely contrast to pale blues; adds coldness to shadows.	2	255	238	81	255	255	23	255	246	144	255	255
	ROSCO	R85	Deep Blue	Deeply saturated blue with a hint of red.	10	5	96	0	255	0	50	36	156	0	255	0
	ROSCO	R86	Pea Green	Good for dense foliage and woodland effects.	255	255	0	0	0	255	255	255	0	0	0	255
	ROSCO	R87	Pale Yellow Green	Sunny spring mornings.	255	190	22	255	0	255	255	220	75	255	0	255
	ROSCO	R88	Light Green	Sunny spring mornings.	255	173	10	255	75	255	255	210	50	255	138	255
	ROSCO	R89	Moss Green	Useful for mood, mystery and toning.	83	254	0	0	57	255	145	254	0	0	121	255
	ROSCO	R90	Dark Yellow Green	Alternate primary where higher transmission is desired.	0	255	0	0	0	52	0	255	0	0	0	115
	ROSCO	R91	Primary Green	Primary green for three color primary system.	7	255	9	0	2	90	42	255	48	0	23	151
	ROSCO	R92	Turquoise	Useful for mood of mystery and for toning scenery that has been spattered in blues.	195	254	30	40	255	255	223	254	87	101	255	255
	ROSCO	R93	Blue Green	Useful for mood of mystery and for toning scenery that has been spattered in blues.	46	255	28	127	255	126	108	255	84	180	255	179
	ROSCO	R94	Kelly Green	Fantasy and unrealistic effects. Unflattering on skin tones.	0	255	9	0	255	148	0	255	48	0	255	194
	ROSCO	R95	Medium Green	Used on foliage in moonlight areas or for creating a mood of mystery. Good for toning scenery painted in blues, blue-greens and greens.	2	255	32	0	255	40	23	255	90	0	255	101
	ROSCO	R96	Lime	To simulate unnatural sunlight before and after a rainstorm or tornado.	255	0	3	100	70	255	255	0	28	160	134	255
	ROSCO	R99	Chocolate	Warms light and reduces intensity.	255	150	3	255	112	0	255	196	28	255	169	0

					LINEAR CURVE						QUADRATIC CURVE					
Proxy color simulation	Filter brand	Filter code	Filter name	Main application	RED	GREEN	BLUE	AMBER	CYAN	LIME	RED	GREEN	BLUE	AMBER	CYAN	LIME

The best way to work with this DMX values

Set the dimmer curve to LINEAR and 8 bit mode

Choose your desired colors and memorize them into the 10 free memories of the preset virtual color wheel

Change the dimming curve to HALO + 16 Bit modes (the processor will calculate automatically the values for this 10 memories)

ATTENTION: The conversion filter DMX values are similar to the relavite filter in front of a CP 90 - 3200K halogen lamp. In the most of cases the LED lightoutput is much more powerful in relation to the CP 90 filtered halogen lightoutput. In this case you have to dimm down the LED output to match the fitered halogen light.

All this values are not just theoretical calculations, but made by accurate photometric and visual tests. For this reason they could be improved in relation to your visual perception and experience with your lights on stage. For more info or reccomandation, feel free to send us an email to nellyt@spotlight.it