

DMX protocol

Robin Painte - DMX protocol			
Version 1.7			
Mode/Total channels	DMX Value	Function	Type of control
1/44			
1		Pan	
	0 - 255	Pan movement by 540° (128=default)	proportional
2		Pan Fine	
	0 - 255	Fine control of pan movement (0=default)	proportional
3		Tilt	
	0 - 255	Tilt movement by 270° (128=default)	proportional
4		Tilt fine	
	0 - 255	Fine control of tilt movement (0=default)	proportional
5		Pan/Tilt speed , Pan/Tilt time	
	0	Standard mode (0=default)	step
	1	Max. Speed Mode	step
		Pan/Tilt speed mode	
	2 - 255	Speed from max. to min.	proportional
		Pan/Tilt time mode	
2 - 255	Time from 0.2 s to 25.5 sec.	proportional	
6		Power/Special functions	
	0 - 9	Reserved (0=default) <i>To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe“ channel 42 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden.</i>	
	10-14	DMX input: Wired DMX *	step
	15-19	DMX input: Wireless DMX *	step
		* function is active only 10 seconds after switching the fixture on	
	20-24	Graphic display: On	step
	25-29	Graphic display: Off	step
	30-31	Quiet mode: Fans On at blackout	step
	32-33	Quiet mode: Fans Off at blackout	step
	34-35	Dimmer curve: Super Square Law	step
	36-39	Reserved	
	40-44	Pan/Tilt mode: Speed	step
	45-49	Pan/Tilt mode: Time	step
	50-54	Blackout while pan/tilt moving: On	step
	55-59	Blackout while pan/tilt moving: Off	step
	60-64	Blackout while gobo wheel moving: On	step
	65-69	Blackout while gobo wheel moving: Off	step
	70-74	Blackout while colour wheel moving: On	step
	75-79	Blackout while colour wheel moving: Off	step
	80-84	Fans mode: Auto	step
	85-89	Fans mode: High	step
90-99	Reserved		
100-104	Focus Tracking: On	step	
105-109	Focus Tracking: Off	step	
110-114	Dimmer curve: Square law	step	
115-119	Dimmer curve: Linear	step	
120-124	Parking position: On	step	

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1/44	125-129	Parking position: Off	step
		<i>To activate following functions, stop in DMX value for at least 3 seconds.</i>	
	130 - 139	Total fixture reset (without pan/tilt)	step
	140 - 149	Pan and Tilt reset	step
	150 - 159	Colour system reset	step
	160 - 169	Gobo wheels reset	step
	170-174	Pan reset	step
	175-179	Tilt reset	step
	180 - 189	Zoom/focus/frost/prism reset	step
	190 - 199	Iris /framing shutters reset	step
	200 - 209	Total fixture reset (including pan/tilt)	step
	210 - 218	Reserved	
		The following three commands define transition from gobo rotation to gobo indexing:	
	219 - 220	Gobo indexing: Maximum speed and shortcut	step
	221 - 222	Gobo indexing: Follow speed and direction	step
	223 - 224	Gobo indexing: Maximum speed and follow direction	step
		The following RoboSpot related commands are only applicable when the RoboSpot is connected:	
	225 - 229	RoboSpot enabled	step
	230 - 234	RoboSpot disabled - except handle faders and pan/tilt	step
	235 - 239	RoboSpot fully disabled	step
	240	Disabled "Quiet mode"	step
	241 - 255	Quiet mode - fan noise control from min. to max.	proportional
7		LED frequency selection	
		Factory display menu setting: 600Hz	
		<i>Select PWM output frequency of LEDs. Selected PWM frequency can be fine adjusted in 127 steps up/down around selected PWM frequency on the channel below. Corresponding menu item is temporarily overridden.</i>	
	0-4	PWM frequency from Display menu (fixture utilizes PWM frequency set in the display menu item Frequency Setup).	step
	5-9	300 Hz	step
	10-14	600 Hz (10=default)	step
	15-19	1200 Hz	step
	20-24	2400 Hz	step
	25-29	High	step
	30-255	Reserved (fixture utilizes PWM frequency set in the display menu item Frequency Setup).	
8		LED frequency fine adjusting	
		Factory display menu setting: 600Hz	
		<i>Select desired PWM output frequency of LEDs on the channel above.</i>	
	0-1	Selected LED Frequency	step
	2	LED Frequency (step -126)	step
	3	LED Frequency (step -125)	step
	4	LED Frequency (step -124)	step
	:		
	125	LED Frequency (step -3)	step

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Mode/Total channels	DMX Value	Function	Type of control
1/44			
	126	LED Frequency (step -2)	step
	127	LED Frequency (step -1)	step
	128	Selected LED Frequency (128=default)	step
	129	LED Frequency (step +1)	step
	130	LED Frequency (step +2)	step
	131	LED Frequency (step +3)	step
	:		
	252	LED Frequency (step +124)	step
	253	LED Frequency (step +125)	step
	254	LED Frequency (step +126)	step
	255	Selected LED Frequency	step
9		Max. light intensity indication and setting	
	0-10	No function (0=default)	
	11-20	Indication of drop of max. light intensity	step
		<i>A drop of max. light intensity of the fixture (compared to its original intensity) is indicated by a corresponding colour output: 0-5%, (WHITE /new LED module/) 6-10% (RED) 11-15% (GREEN) 16-20% (BLUE) 21-25% (CYAN) 26-30% (MAGENTA) 31-35% (YELLOW) 36-40% (ORANGE) Pan/tilt is set at 128 DMX (50%), Dimmer is open at 255 DMX (100%).</i>	
		<i>To set a drop of max. light intensity (compared to original light intensity), stay at DMX value for at least 3 sec. and shutter must be closed at least 3 sec. (Channel „Shutter/ Strobe” 42 must be at range: 0-31 DMX). Corresponding menu items are permanently overwritten.</i>	
	21-30	Set drop by 6-10% (RED)	step
	31-40	Set drop by 11-15% (GREEN)	step
	41-50	Drop by 16-20% (BLUE)	step
	51-60	Set drop by 21-25% (CYAN)	step
	61-70	Set drop by 26-30% (MAGENTA)	step
	71-80	Set drop by 31-35% (YELLOW)	step
	81-90	Set drop by 36-40% (ORANGE)	step
	91-100	Original intensity (WHITE)	step
	101-255	Reserved	
10		Colour wheel	
		Continual positioning	
	0	Open/white	proportional
	12	Deep red	proportional
	25	Deep blue	proportional
	39	Light green	proportional
	51	Lavender	proportional
	64	Orange	proportional

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Mode/Total channels	DMX Value	Function	Type of control
1/44			
	77	Multicolor	proportional
	90	Filter CRI 90	proportional
	103	CTO 3200K	proportional
	115	Congo blue	proportional
	128-129	White	step
		Positioning	
	130-136	Deep red	step
	137-142	Deep blue	step
	143-149	Light green	step
	150-155	Lavender	step
	156-162	Orange	step
	163-168	Multicolor	step
	169-175	Filter CRI 90	step
	176-182	CTO 3200K	step
	183-189	Congo blue	step
	190 - 215	Forwards rainbow effect from fast to slow	proportional
	216 - 217	No rotation	step
	218 - 243	Backwards rainbow effect from slow to fast	proportional
	244 - 249	Random colour selection by audio control (Set microphone sensitivity in menu „Personality“)	step
	250 - 255	Auto random colour selection from fast to slow	proportional
11		Colour wheel - fine positioning	
	0 - 255	Fine positioning (0=default)	proportional
12		Cyan	
	0 - 255	Cyan from min. saturation --> full cyan (0=default)	proportional
13		Magenta	
	0 - 255	Magenta from min. saturation --> full magenta (0=default)	proportional
14		Yellow	
	0 - 255	Yellow from min. saturation --> full yellow (0=default)	proportional
15		Virtual CTO	
	0-255	Colour temperature change from 6700K --> 2700K (0=default)	proportional
16		Green correction	
	0	Uncorrected white	step
	1-127	Minus green --> uncorrected white	proportional
	128	Uncorrected white (128=default)	step
	129-255	Uncorrected white --> Plus green	proportional
17		Virtual colour wheel	
	0	No function (0=default)	step
	1-2	Filter 4 (Medium Bastard Amber)	step
	3-4	Filter 10 (Medium Yellow)	step
	5-6	Filter 19 (Fire)	step
	7-8	Filter 26 (Bright Red)	step
	9-10	Filter 58 (Lavender)	step
	11-12	Filter 68 (Sky Blue)	step
	13-14	Filter 71 (Tokyo Blue)	step
	15-16	Filter 79 (Just Blue)	step
	17-18	Filter 88 (Lime Green)	step
	19-20	Filter 90 (Dark Yellow Green)	step

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Mode/Total channels	DMX Value	Function	Type of control
1/44			
	21-22	Filter 100 (Spring Yellow)	step
	23-24	Filter 101 (Yellow)	step
	25-26	Filter 102 (Light Amber)	step
	27-28	Filter 103 (Straw)	step
	29-30	Filter 104 (Deep Amber)	step
	31-32	Filter 105 (Orange)	step
	33-34	Filter 106 (Primary Red)	step
	35-36	Filter 111 (Dark Pink)	step
	37-38	Filter 115 (Peacock Blue)	step
	39-40	Filter 116 (Medium Blue-Green)	step
	41-42	Filter 117 (Steel Blue)	step
	43-44	Filter 118 (Light Blue)	step
	45-46	Filter 119 (Dark Blue)	step
	47-48	Filter 120 (Deep Blue)	step
	49-50	Filter 121 (Filter Green)	step
	51-52	Filter 128 (Bright Pink)	step
	53-54	Filter 131 (Marine Blue)	step
	55-56	Filter 132 (Medium Blue)	step
	57-58	Filter 134 (Golden Amber)	step
	59-60	Filter 135 (Deep Golden Amber)	step
	61-62	Filter 136 (Pale Lavender)	step
	63-64	Filter 137 (Special Lavender)	step
	65-66	Filter 138 (Pale Green)	step
	67-68	Filter 139 (Primary Green)	step
	69-70	Filter 141 (Bright Blue)	step
	71-72	Filter 147 (Apricot)	step
	73-74	Filter 148 (Bright Rose)	step
	75-76	Filter 152 (Pale Gold)	step
	77-78	Filter 154 (Pale Rose)	step
	79-80	Filter 157 (Pink)	step
	81-82	Filter 158 (Deep Orange)	step
	83-84	Filter 162 (Bastard Amber)	step
	85-86	Filter 164 (Flame Red)	step
	87-88	Filter 165 (Daylight Blue)	step
	89-90	Filter 169 (Lilac Tint)	step
	91-92	Filter 170 (Deep Lavender)	step
	93-94	Filter 172 (Lagoon Blue)	step
	95-96	Filter 179 (Chrome Orange)	step
	97-98	Filter 180 (Dark Lavender)	step
	99-100	Filter 181 (Congo Blue)	step
	101-102	Filter 197 (Alice Blue)	step
	103-104	Filter 201 (Full C.T. Blue)	step
	105-106	Filter 202 (Half C.T. Blue)	step
	107-108	Filter 203 (Quarter C.T. Blue)	step
	109-110	Filter 204 (Full C.T. Orange)	step
	111-112	Filter 205 (Half C.T. Orange)	step
	113-114	Filter 206 (Quarter C.T. Orange)	step
	115-116	Filter 247 (Filter Minus Green)	step

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Mode/Total channels	DMX Value	Function	Type of control
1/44			
	117-118	Filter 248 (Half Minus Green)	step
	119-120	Filter 281 (Three Quarter C.T. Blue)	step
	121-122	Filter 285 (Three Quarter C.T. Orange)	step
	123-124	Filter 352 (Glacier Blue)	step
	125-126	Filter 353 (Lighter Blue)	step
	127-128	Filter 715 (Cabana Blue)	step
	129-130	Filter 778 (Millennium Gold)	step
	131-132	Filter 793 (Vanity Fair)	step
	133-255	Reserved	
18		CMY and Colour wheel time	
	0	Function is off (0=default)	step
	1 - 255	Time of CMY and Colour wheel movement (0.1sec-->25.5sec.)	proportional
19		Zoom/Focus/Frost/Iris/Prism time	
	0	Function is off (0=default)	step
	1 - 255	Time of zoom, focus, iris and frost movement (0.1 sec-->25.5 sec.)	proportional
	1-50	Time of prism movement (0.1 sec-->5 sec.)	proportional
20		Static gobo wheel	
	0-8	Open/hole	step
		<u>Positioning</u>	
	9-17	Gobo 1	step
	18-26	Gobo 2	step
	27-35	Gobo 3	step
	36-44	Gobo 4	step
	45-53	Gobo 5	step
	54-62	Gobo 6	step
	63-71	Gobo 7	step
	72-80	Gobo 8	step
	81-91	Gobo 9	step
		<u>Shaking gobos from slow to fast</u>	
	92-103	Gobo 1	proportional
	104-115	Gobo 2	proportional
	116-127	Gobo 3	proportional
	128-139	Gobo 4	proportional
	140-151	Gobo 5	proportional
	152-163	Gobo 6	proportional
	164-175	Gobo 7	proportional
	176-187	Gobo 8	proportional
	188-199	Gobo 9	proportional
	200-201	Open/hole	step
	202 - 222	Forwards gobo wheel rotation from fast to slow	proportional
	223 - 243	Backwards gobo wheel rotation from slow to fast	proportional
	244 - 249	Random gobo selection by audio control (Set microphone sensitivity in menu „Personality“)	step
	250 - 255	Auto random gobo selection from fast to slow	proportional
21		Rotating gobo wheel	
		<i>Index - set indexing on channel 22</i>	
	0-9	Open/Hole (default)	step

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Mode/Total channels	DMX Value	Function	Type of control
1/44	10-13	Gobo 1	step
	14-17	Gobo 2	step
	18-21	Gobo 3	step
	22-25	Gobo 4	step
	26-29	Gobo 5	step
	30-33	Gobo 6	step
	34-37	Gobo 7	step
	38-41	Gobo 8	step
		<i>Rotation - set rotation on channel 22</i>	
	42-45	Gobo 1	step
	46-49	Gobo 2	step
	50-53	Gobo 3	step
	54-57	Gobo 4	step
	58-61	Gobo 5	step
	62-65	Gobo 6	step
	66-69	Gobo 7	step
	70-73	Gobo 8	step
		<i>Shaking gobos from slow to fast</i>	
		<i>Index - set indexing on channel 22</i>	
	74-81	Gobo 1	proportional
	82-89	Gobo 2	proportional
	90-97	Gobo 3	proportional
	98-105	Gobo 4	proportional
	106-113	Gobo 5	proportional
	114-121	Gobo 6	proportional
	122-129	Gobo 7	proportional
	130-137	Gobo 8	proportional
		<i>Shaking gobos from slow to fast</i>	
		<i>Rotation - set rotation on channel 22</i>	
	138-145	Gobo 1	proportional
	146-153	Gobo 2	proportional
	154-161	Gobo 3	proportional
	162-169	Gobo 4	proportional
	170-177	Gobo 5	proportional
	178-185	Gobo 6	proportional
	186-192	Gobo 7	proportional
	193-199	Gobo 8	proportional
	200 - 201	Open/hole	step
	202 - 222	Forwards gobo wheel rotation from fast to slow	proportional
	223 - 243	Backwards gobo wheel rotation from slow to fast	proportional
	244 - 249	Random gobo selection by audio control (Set microphone sensitivity in menu „Personality“)	step
	250 - 255	Auto random gobo selection from fast to slow	proportional
22		Rot. Gobo indexing/rotation	
		<i>Gobo indexing - set position on channel 21</i>	
	0 - 255	Gobo indexing (128=default)	proportional
		<i>Gobo rotation - set position on channel 21</i>	

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1/44			
	0	No rotation	step
	1 - 127	Forwards gobo rotation from fast to slow	proportional
	128	No rotation (128=default)	step
	129 - 255	Backwards gobo rotation from slow to fast	proportional
23		Rot. Gobo indexing/rotation - fine	
	0-255	Fine indexing/rotation (0=default)	proportional
24		Prism	
	0 - 19	Open position/hole (0=default)	step
	20 - 73	Prism indexing	step
	74-127	Prism rotation	step
		Prism/gobo macros	
		<i>The following channels are blocked: Rotating gobo wheel, Rot. Gobo indexing and rotation, Rot. Gobo wheel fine rotation</i>	
	128 - 135	Macro 1	step
	136 - 143	Macro 2	step
	144 - 151	Macro 3	step
	152 - 159	Macro 4	step
	160 - 167	Macro 5	step
	168 - 175	Macro 6	step
	176 - 183	Macro 7	step
	184 - 191	Macro 8	step
	192 - 199	Macro 9	step
	200 - 207	Macro 10	step
	208 - 215	Macro 11	step
	216 - 223	Macro 12	step
	224 - 231	Macro 13	step
	232 - 239	Macro 14	step
	240 - 247	Macro 15	step
	248 - 255	Macro 16	step
25		Prism indexing/rotation	
		<i>Prism indexing - set position on channel 24</i>	
	0 - 255	Prism 1 indexing	proportional
		<i>Prism rotation - set position on channel 24</i>	
	0	No rotation	step
	1 - 127	Forwards prism rotation from fast to slow	proportional
	128	No rotation (128=default)	step
	129-255	Backwards prism rotation from slow to fast	proportional
26		Frost	
	0	Open (0=default)	step
	1 - 179	Frost from 0% to 100%	proportional
	180 - 189	100% frost	step
	190 - 211	Pulse closing from slow to fast	proportional
	212 - 233	Pulse opening from fast to slow	proportional
	234 - 255	Ramping from fast to slow	proportional
27		Iris	
	0	Open (0=default)	step
	1 - 179	From max. diameter to min. diameter	proportional
	180 - 191	Closed	step

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Mode/Total channels	DMX Value	Function	Type of control
1/44			
		Pulse effects with Iris blackout	
	192 - 219	Pulse opening from slow to fast	proportional
	220 - 247	Pulse closing from fast to slow	proportional
	248 - 249	Random pulse opening (fast)	step
	250 - 251	Random pulse opening (slow)	step
	252 - 253	Random pulse closing (fast)	step
	254 - 255	Random pulse closing (slow)	step
28		Iris - fine	
	0 - 255	Fine iris movement (0=default)	proportional
29		Zoom	
	0 - 255	Zoom from max. to min. beam angle (128=default)	proportional
30		Zoom - fine	
	0-255	Fine zooming (0=default)	proportional
31		Focus	
	0 - 255	Continuous adjustment from far to near (128=default)	proportional
32		Focus - fine	
	0- 255	Fine focusing (0=default)	proportional
33		Framing shutters module rotation	
	0-127	Rotation from right (0°) to 60°	proportional
	128	Centre (128=default)	step
	129-255	Rotation from 60° to left (120°)	proportional
34		Framing shutter 1- movement	
	0-255	Movement from Outward to Inward (0=default)	proportional
35		Framing shutter 1- swivelling	
	0-127	Swivelling from -30 degrees towards 0 degrees	proportional
	128	0 degrees (128=default)	step
	129-255	Swivelling from 0 degrees to +30 degrees	proportional
36		Framing shutter 2- movement	
	0-255	Movement from Outward to Inward (0=default)	proportional
37		Framing shutter 2- swivelling	
	0-127	Swivelling from -30 degrees towards 0 degrees	proportional
	128	0 degrees (128=default)	step
	129-255	Swivelling from 0 degrees to +30 degrees	proportional
38		Framing shutter 3 movement	
	0-255	Movement from Outward to Inward (0=default)	proportional
39		Framing shutter 3- swivelling	
	0-127	Swivelling from -30 degrees towards 0 degrees	proportional
	128	0 degrees (128=default)	step
	129-255	Swivelling from 0 degrees to +30 degrees	proportional
40		Framing shutter 4 movement	
	0-255	Movement from Outward to Inward (0=default)	proportional
41		Framing shutter 4- swivelling	
	0-127	Swivelling from -30 degrees towards 0 degrees	proportional
	128	0 degrees (128=default)	step
	129-255	Swivelling from 0 degrees to +30 degrees	proportional
42		Shutter/ strobe	
	0 - 31	Shutter closed	step
	32 - 63	Shutter open (32=default)	step

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Mode/Total channels	DMX Value	Function	Type of control
1/44			
	64 - 95	Strobe-effect from slow to fast	proportional
	96 - 127	Shutter open	step
	128 - 143	Opening pulse in sequences from slow to fast	proportional
	144 - 159	Closing pulse in sequences from fast to slow	proportional
	160 - 191	Shutter open	proportional
	192 - 223	Random strobe-effect from slow to fast	proportional
	224 - 255	Shutter open	step
43		Dimmer intensity	
	0 - 255	Dimmer intensity from 0% to 100% (0=default)	proportional
44		Dimmer intensity - fine	
	0 - 255	Fine dimming (0=default)	proportional
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Robin Painte - colours on Virtual Colour Wheel				
Colour name	Cyan (DMX)	Magenta (DMX)	Yellow (DMX)	Colour Wheel (DMX)
Filter 4 (Medium Bastard Amber)	0	165	180	0
Filter 10 (Medium Yellow)	0	149	228	0
Filter 19 (Fire)	0	247	255	0
Filter 24 (Scarlet)	0	0	0	134
Filter 58 (Lavender)	0	197	97	0
Filter 68 (Sky Blue)	169	0	0	154
Filter 71 (Tokyo Blue)	0	0	0	142
Filter 79 (Just Blue)	201	172	0	0
Filter 88 (Lime Green)	127	0	214	0
Filter 90 (Dark Yellow Green)	230	0	224	0
Filter 100 (Spring Yellow)	0	117	223	0
Filter 101 (Yellow)	0	153	223	0
Filter 102 (Light Amber)	0	151	192	0
Filter 103 (Straw)	0	135	185	0
Filter 104 (Deep Amber)	0	172	233	0
Filter 105 (Orange)	0	195	242	0
Filter 781 (Terry Red)	0	248	0	161
Filter 111 (Dark Pink)	0	197	189	0
Filter 115 (Peacock Blue)	252	0	181	0
Filter 505 (Sally Green)	251	0	189	0
Filter 117 (Steel Blue)	177	0	146	0
Filter 118 (Light Blue)	235	0	157	0
Filter 724 (Ocean Blue)	255	58	0	0
Filter 725 (Old Steel Blue)	255	115	0	0
Filter 121 (Filter Green)	192	0	255	0
Filter 128 (Bright Pink)	0	231	177	0
Filter 131 (Marine Blue)	219	0	127	0
Filter 132 (Medium Blue)	255	0	57	0
Filter 134 (Golden Amber)	0	191	255	0
Filter 135 (Deep Golden Amber)	0	222	255	0
Filter 136 (Pale Lavender)	0	184	121	0
Filter 137 (Special Lavender)	0	141	110	0
Filter 138 (Pale Green)	115	0	182	0
Filter 139 (Primary Green)	243	0	236	0
Filter 141 (Bright Blue)	255	0	114	0
Filter 147 (Apricot)	0	177	222	0
Filter 148 (Bright Rose)	0	220	203	0
Filter 152 (Pale Gold)	0	173	189	0
Filter 154 (Pale Rose)	0	170	173	0
Filter 157 (Pink)	0	214	212	0
Filter 158 (Deep Orange)	0	216	254	0
Filter 162 (Bastard Amber)	0	150	183	0
Filter 164 (Flame Red)	0	255	255	0
Filter 165 (Daylight Blue)	217	0	12	0
Filter 169 (Lilac Tint)	0	183	143	0
Filter 170 (Deep Lavender)	38	183	104	0

Colour name	Cyan (DMX)	Magenta (DMX)	Yellow (DMX)	Colour Wheel (DMX)
Filter 172 (Lagoon Blue)	234	0	121	0
Filter 179 (Chrome Orange)	0	177	248	0
Filter 180 (Dark Lavender)	179	174	0	0
Filter 181 (Congo Blue)	189	207	0	0
Filter 197 (Alice Blue)	255	140	0	0
Filter 201 (Full C.T. Blue)	179	0	99	0
Filter 202 (Half C.T. Blue)	168	0	81	0
Filter 203 (Quarter C.T. Blue)	151	0	136	0
Filter 204 (Full C.T. Orange)	0	186	243	0
Filter 205 (Half C.T. Orange)	0	160	193	0
Filter 206 (Quarter C.T. Orange)	0	155	157	0
Filter 247 (Filter Minus Green)	0	176	123	0
Filter 248 (Half Minus Green)	0	114	111	0
Filter 281 (Three Quarter C.T. Blue)	179	0	117	0
Filter 285 (Three Quarter C.T. Orange)	0	166	232	0
Filter 352 (Glacier Blue)	221	0	98	0
Filter 353 (Lighter Blue)	237	0	140	0
Filter 715 (Cabana Blue)	255	120	0	0
Filter 778 (Millennium Gold)	0	210	255	0
Filter 328 (Follies Pink)	0	231	159	0