Robin BMFL WashBeam - DMX protocol				
version 1.2		**Mode 1** - Standard 16 bit, **Mode 2** - Reduced 8 bit		
Mode/channel		**DMX Value**	**Function**	**Type of control**
1	**2**			
1	**1**		**Pan**	
		0 - 255	Pan movement by 540°	proportional
2	**2**		**Pan Fine**	
		0 - 255	Fine control of pan movement	proportional
3	**3**		**Tilt**	
		0 - 255	Tilt movement by 270°	proportional
4	**4**		**Tilt fine**	
		0 - 255	Fine control of tilt movement	proportional
5	**5**		**Pan/Tilt speed , Pan/Tilt time**	
		0	Standard mode	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	**6**		**Power/Special functions**	
		0 - 9	Reserved	
			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 46/40 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden except DMX Input.	
		10-14	DMX input: Wired DMX *	step
		15-19	DMX input: Wireless DMX *	step
			* function is active only10 seconds after switching the fixture on	
		20-24	Graphic display On	step
		25-29	Graphic display Off	step
		30-34	Reserved	
		35-39	Lamp power 1500W	step
		40-44	Lamp power 1700W	step
		45-49	Quiet mode	step
		50-54	Dimmer curve: Square law	step
		55-59	Dimmer curve: Linear	step
		60-64	Fans mode: Auto	step
		65-69	Fans mode: High	step
		70-89	Reserved	
		90 - 94	Pan/Tilt speed mode	step
		95-99	Pan/Tilt time mode	step
		100 - 104	Blackout while pan/tilt moving	step
		105 -109	Disabled blackout while pan/tilt moving	step
		11 0-114	Blackout while colour wheels moving	step
		115 -119	Disabled blackout while colour wheels moving	step
		120-129	Reserved	
			To activate following functions, stop in DMX value for at least 3 seconds.	
		130 - 139	Lamp On	step
		140 - 149	Pan/Tilt reset	step
		150 - 159	Colour system reset	step

Mode/channel 1	Mode/channel 2	DMX Value	Function	Type of control
		160 - 169	Gobo wheel reset	step
		170 - 179	Dimmer/Shutter reset	step
		180 - 189	Zoom/focus/frost reset	step
		190 - 199	Iris/framing shutters/effect wheel reset	step
		200 - 209	Total reset	step
		210 - 229	Reserved	
		230 - 239	Lamp Off	step
		240 - 255	Reserved	step
7	**7**		**Colour wheel 1**	
			Continual positioning	
		0	Open/white	proportional
		18	Deep red	proportional
		37	Deep blue	proportional
		55	Orange	proportional
		73	Green	proportional
		91	Magenta	proportional
		110	Congo blue (UV)	proportional
		128-129	White	step
			Positioning	
		130-139	Deep red	step
		140-149	Deep blue	step
		150-159	Orange	step
		160-169	Green	step
		170-179	Magenta	step
		180-189	Congo blue (UV)	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	step
			(Set microphone sensitivity in menu „Personality”)	
		250 - 255	Auto random colour selection from fast to slow	proportional
8	*****		**Colour wheel 1 - fine positioning**	
		0 - 255	Fine positioning	proportional
9	**8**		**Colour wheel 2**	
			Continual positioning	
		0	Open/white	proportional
		18	Pink	proportional
		37	Lavander	proportional
		55	Laser green	proportional
		73	CTB	proportional
		91	minus 1/1 green	proportional
		110	minus 1/2 green	proportional
		128-129	White	step
			Positioning	
		130-139	Pink	step
		140-149	Lavander	step
		150-159	Laser green	step
		160-169	CTB	step
		170-179	minus 1/1 green	step

Mode/channel 1	Mode/channel 2	DMX Value	Function	Type of control
		180-189	minus 1/2 green	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	step
			(Set microphone sensitivity in menu „Personality”)	
		250 - 255	Auto random colour selection from fast to slow	proportional
10	*****		**Colour wheel 2 - fine positioning**	
		0 - 255	Fine positioning	proportional
11	**9**		**Cyan**	
		0 - 255	Cyan (0-white, 255-full cyan)	proportional
12	**10**		**Magenta**	
		0 - 255	Magenta (0-white, 255-full magenta)	proportional
13	**11**		**Yellow**	
		0 - 255	Yellow (0-white, 255-full yellow)	proportional
14	**12**		**CTO filter**	
		0 - 255	(0-6000K, 255-2700K)	proportional
15	**13**		**CMY +CTO + CW1+CW2 macros**	
			See table "Colour macros" to find components of each colour	
			The following channels are disabled: 7-14 (Mode 1),7-12 (Mode2)	
		0 - 7	No function	step
		8 - 9	Colour Macro 1	step
		10-11	Colour Macro 2	step
		12-13	Colour Macro 3	step
		14-15	Colour Macro 4	step
		16-17	Colour Macro 5	step
		18-19	Colour Macro 6	step
		20-21	Colour Macro 7	step
		22-23	Colour Macro 8	step
		24-25	Colour Macro 9	step
		26-27	Colour Macro 10	step
		28-29	Colour Macro 11	step
		30-31	Colour Macro 12	step
		32-33	Colour Macro 13	step
		34-35	Colour Macro 14	step
		36-37	Colour Macro 15	step
		38-39	Colour Macro 16	step
		40-41	Colour Macro 17	step
		42-43	Colour Macro 18	step
		44-45	Colour Macro 19	step
		46-47	Colour Macro 20	step
		48-49	Colour Macro 21	step
		50-51	Colour Macro 22	step
		52-53	Colour Macro 23	step
		54-55	Colour Macro 24	step
		56-57	Colour Macro 25	step
		58-59	Colour Macro 26	step
		60-61	Colour Macro 27	step
		62-63	Colour Macro 28	step

Mode/channel		DMX Value	Function	Type of control
1	2			
		64-65	Colour Macro 29	step
		66-67	Colour Macro 30	step
			LEE colour swatches	
		68-69	LEE 4 (Medium Bastard Amber)	step
		70-71	LEE 10 (Medium Yellow)	step
		72-73	LEE 19 (Fire)	step
		74-75	LEE 26 (Bright Red)	step
		76-77	LEE 58 (Lavender)	step
		78-79	LEE 68 (Sky Blue)	step
		80-81	LEE 71 (Tokyo Blue)	step
		82-83	LEE 79 (Just Blue)	step
		84-85	LEE 88 (Lime Green)	step
		86-87	LEE 90 (Dark Yellow Green)	step
		88-89	LEE 100 (Spring Yellow)	step
		90-91	LEE 101 (Yellow)	step
		92-93	LEE 102 (Light Amber)	step
		94-95	LEE 103 (Straw)	step
		96-97	Lee 104 (Deep Amber)	step
		98-99	LEE 105 (Orange)	step
		100-101	LEE 106 (Primary Red)	step
		102-103	LEE 111 (Dark Pink)	step
		104-105	LEE 115 (Peacock Blue)	step
		106-107	LEE 116 (Medium Blue-Green)	step
		108-109	LEE 117 (Steel Blue)	step
		110-111	LEE 118 (Light Blue)	step
		112-113	LEE 119 (Dark Blue)	step
		114-115	LEE 120 (Deep Blue)	step
		116-117	LEE 121 (LEE Green)	step
		118-119	LEE 128 (Bright Pink)	step
		120-121	LEE 131 (Marine Blue)	step
		122-123	LEE 132 (Medium Blue)	step
		124-125	LEE 134 (Golden Amber)	step
		126-127	LEE 135 (Deep Golden Amber)	step
		128-129	LEE 136 (Pale Lavender)	step
		130-131	LEE 137 (Special Lavender)	step
		132-133	LEE 138 (Pale Green)	step
		134-135	LEE 139 (Primary Green)	step
		136-137	LEE 141 (Bright Blue)	step
		138-139	LEE 147 (Apricot)	step
		140-141	LEE 148 (Bright Rose)	step
		142-143	LEE 152 (Pale Gold)	step
		144-145	LEE 154 (Pale Rose)	step
		146-147	LEE 157 (Pink)	step
		148-149	LEE 158 (Deep Orange)	step
		150-151	LEE 162 (Bastard Amber)	step
		152-153	LEE 164 (Flame Red)	step
		154-155	LEE 165 (Daylight Blue)	step
		156-157	LEE 169 (Lilac Tint)	step
		158-159	LEE 170 (Deep Lavender)	step

Mode/channel 1	Mode/channel 2	DMX Value	Function	Type of control
		160-161	LEE 172 (Lagoon Blue)	step
		162-163	LEE 179 (Chrome Orange)	step
		164-165	LEE 180 (Dark Lavender)	step
		166-167	LEE 181 (Congo Blue)	step
		168-169	LEE 197 (Alice Blue)	step
		170-171	LEE 201 (Full C.T. Blue)	step
		172-173	LEE 202 (Half C.T. Blue)	step
		174-175	LEE 203 (Quarter C.T. Blue)	step
		176-177	LEE 204 (Full C.T. Orange)	step
		178-179	LEE 205 (Half C.T. Orange)	step
		180-181	LEE 206 (Quarter C.T. Orange)	step
		182-183	LEE 247 (LEE Minus Green)	step
		184-185	LEE 248 (Half Minus Green)	step
		186-187	LEE 281 (Three Quarter C.T. Blue)	step
		188-189	LEE 285 (Three Quarter C.T. Orange)	step
		190-191	LEE 352 (Glacier Blue)	step
		192-193	LEE 353 (Lighter Blue)	step
		194-195	LEE 715 (Cabana Blue)	step
		196-197	LEE 778 (Millennium Gold)	step
		198-199	LEE 793 (Vanity Fair)	step
		200-243	Reserved	
		244 - 249	Random macro selection by audio control	step
			(Set microphone sensitivity in menu "PErsonality")	
		250 - 255	Auto random macro selection from fast to slow	proportional
16	**14**		**Effect Speed**	
			Speed of CMY&CTO movement and Rot. Gobo selection	
		0-255	Speed of CMY+CTO movement from max. to min.	proportional
		0-255	Speed of Rot. gobo selection from max. to min.	proportional
17	**15**		**CMY+CTO+Colour wheel time**	
		0	Function is off	step
		1 - 255	Time of CMY, CTO and Colour wheel movement (0.1sec-->25.5sec.)	proportional
18	**16**		**Framing shutters+Zoom+Focus+Frost+Iris time**	
		0	Function is off	step
		1 - 255	Time of framing shutters, zoom, focus, iris and frost movement (0.1 sec-->25.5 sec.)	proportional
19	**17**		**Effect wheel positioning**	
		0-19	No function	step
		20-127	Proportional indexing (73-center)	proportional
		128-170	Ramping from open to full position (max--->min. speed)	proportional
		171-213	Ramping from open to half position (max. --->min. speed)	proportional
		214-255	Ramp. from half position to full position (max. --->min. speed)	proportional
20	**18**		**Effect wheel rotation**	
		0	No rotation	step
		1 - 127	Forwards rotation from fast to slow	proportional
		128	No rotation -default	step
		129 -255	Backwards rotation from slow to fast	proportional
21	**19**		**Effect wheel animations**	
		0-7	No animation	

Mode/channel 1	Mode/channel 2	DMX Value	Function	Type of control
			Note : Set suitable DMX value at **Focus** channel to get desired animation. All animations were created at distance 5 m from screen with zoom=128DMX	
			Coloured animations. *The channels are blocked: Colour wheel 1 and 2, CMY+CMY macros, Effect wheel positioning, Effect wheel rotation, Rotat. gobo, gobo rotation*	
		8-9	Animation Macro 1 (focus=177 DMX)	step
		10-11	Animation Macro 2 (focus=205 DMX)	step
		12-13	Animation Macro 3 (focus=201 DMX)	step
		14-15	Animation Macro 4 (focus=188 DMX)	step
		16-17	Animation Macro 5 (focus=188 DMX)	step
		18-19	Animation Macro 6 (focus=180 DMX)	step
		20-21	Animation Macro 7 (focus=180 DMX)	step
		22-23	Animation Macro 8 (focus=180 DMX)	step
		24-25	Animation Macro 9 (focus=180 DMX)	step
		26-27	Animation Macro 10 (focus=180 DMX)	step
			Black and white animations *. The channels are blocked: Effect wheel positioning, Effect wheel rotation, Rotat. gobo, gobo rotation*	
		28-29	Animation Macro 1 (focus=177 DMX)	step
		30-31	Animation Macro 2 (focus=205 DMX)	step
		32-33	Animation Macro 3 (focus=201 DMX)	step
		34-35	Animation Macro 4 (focus=188 DMX)	step
		36-37	Animation Macro 5 (focus=188 DMX)	step
		38-39	Animation Macro 6 (focus=180 DMX)	step
		40-41	Animation Macro 7 (focus=180 DMX)	step
		42-43	Animation Macro 8 (focus=180 DMX)	step
		44-45	Animation Macro 9 (focus=180 DMX)	step
		46-47	Animation Macro 10 (focus=180 DMX)	step
		48-255	Reserved	
22	**20**		**Rotating gobo wheel**	
			Index - set indexing on channel 23/21	
		0-4	Open/hole	step
		5-8	Gobo 1	step
		9-13	Gobo 2	step
		14-17	Gobo 3	step
		18-22	Gobo 4	step
		23-26	Gobo 5	step
		27-31	Gobo 6	step
			Rotation - set rotation on channel 23/21	
		32-35	Gobo 1	step
		36-40	Gobo 2	step
		41-44	Gobo 3	step
		45-49	Gobo 4	step
		50-54	Gobo 5	step
		55-59	Gobo 6	step
			Shaking gobos from slow to fast	
			Index - set indexing on channel 23/21	
		60-71	Gobo 1	proportional
		72-83	Gobo 2	proportional

Mode/channel 1	Mode/channel 2	DMX Value	Function	Type of control
		84-95	Gobo 3	proportional
		96-106	Gobo 4	proportional
		107-118	Gobo 5	proportional
		119-129	Gobo 6	proportional
			Shaking gobos from slow to fast	
			Rotation - set rotation on channel 23/21	
		130-141	Gobo 1	proportional
		142-153	Gobo 2	proportional
		154-165	Gobo 3	proportional
		166-176	Gobo 4	proportional
		177-188	Gobo 5	proportional
		189-199	Gobo 6	proportional
		200 - 201	Open/hole	step
		202 - 221	Forwards gobo wheel rotation from fast to slow	proportional
		222-223	No rotation	
		224 - 243	Backwards gobo wheel rotation from slow to fast	proportional
		244 - 249	Random gobo selection by audio control	step
			(Set microphone sensitivity in menu „Personality”)	
		250 - 255	Auto random gobo selection from fast to slow	proportional
23	**21**		**Rot. Gobo indexing/rotation**	
			Gobo indexing - set position on channel 22/20	
		0 - 255	Gobo indexing	proportional
			Gobo rotation - set position on channel 22/20	
		0	No rotation	step
		1 - 127	Forwards gobo rotation from fast to slow	proportional
		128	No rotation - default	step
		129 - 255	Backwards gobo rotation from slow to fast	proportional
24	*****		**Rot. Gobo indexing/rotation - fine**	
		0-255	Fine indexing (rotation)	proportional
25	**22**		**Light frost**	
		0-254	Frost from 0% to 100%	proportional
		255	Frost 100% , permanent focused beam edge *	step
26	**23**		**Medium frost**	
		0-254	Frost from 0% to 100%	proportional
		255	Frost 100% , permanent focused beam edge *	step
27	**24**		**Heavy frost**	
		0-254	Frost from 0% to 100%	proportional
		255	Frost 100% , permanent focused beam edge*	step
			* set frost to 0 % (0 DMX), set min. zoom (255 DMX) and focus edge of free hole. Set frost at 255 DMX and the frosted edge will be the same during zooming (0-255 DMX). Focus is blocked.	
28	**25**		**Iris**	
		0	Open	step
		1 - 179	From max.diameter to min.diameter	proportional
		180 - 191	Closed	step
			Pulse effects with Iris blackout:	
		192 -219	Pulse opening from slow to fast	proportional
		220 - 247	Pulse closing from fast to slow	proportional

Mode/channel 1	Mode/channel 2	DMX Value	Function	Type of control
		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
29	*		**Iris - fine**	
		0 - 255	Fine iris movement	proportional
30	**26**		**Zoom**	
		0 - 255	Zoom from max. to min.beam angle	proportional
31	*		**Zoom - fine**	
		0-255	Fine zooming	proportional
32	**27**		**Focus**	
		0 - 255	Continuous adjustment from far to near	proportional
33	*		**Focus - fine**	
		0- 255	Fine focusing	proportional
34	**28**		**Reserved**	
			Reserved for future functions	
35	**29**		**Framing shutters module rotation**	
		0-127	Rotation from left (0°) to 45°	proportional
		128	45°	step
		129-255	Rotation from 45° to right (90°)	proportional
36	**30**		**Framing shutter 1- movement**	
		0-255	Movement from Outward to Inward	proportional
37	**31**		**Framing shutter 1- swivelling**	
		0-127	Swivelling from -25 degrees towards 0 degrees	proportional
		128	0 degrees (default)	step
		129-255	Swivelling from 0 degrees to +25 degrees	proportional
38	**32**		**Framing shutter 2- movement**	
		0-255	Movement from Outward to Inward	proportional
39	**33**		**Framing shutter 2- swivelling**	
		0-127	Swivelling from -25 degrees towards 0 degrees	proportional
		128	0 degrees (default)	step
		129-255	Swivelling from 0 degrees to +25 degrees	proportional
40	**34**		**Framing shutter 3 movement**	
		0-255	Movement from Outward to Inward	proportional
41	**35**		**Framing shutter 3- swivelling**	
		0-127	Swivelling from -25 degrees towards 0 degrees	proportional
		128	0 degrees (default)	step
		129-255	Swivelling from 0 degrees to +25 degrees	proportional
42	**36**		**Framing shutter 4 movement**	
		0-255	Movement from Outward to Inward	proportional
43	**37**		**Framing shutter 4- swivelling**	
		0-127	Swivelling from -25 degrees towards 0 degrees	proportional
		128	0 degrees (default)	step
		129-255	Swivelling from 0 degrees to +25 degrees	proportional
44	**38**		**Framing shutters macros**	
		0-3	No function	
		4-7	Macro 1	step
		8-11	Macro 2	step
		12-15	Macro 3	step

Mode/channel		DMX Value	Function	Type of control
1	2			
		16-19	Macro 4	step
		20-23	Macro 5	step
		24-27	Macro 6	step
		28-31	Macro 7	step
		32-35	Macro 8	step
		36-39	Macro 9	step
		40-43	Macro 10	step
		44-47	Macro 11	step
		48-51	Macro 12	step
		52-55	Macro 13	step
		56-59	Macro 14	step
		60-63	Macro 15	step
		64-67	Macro 16	step
		68-71	Macro 17	step
		72-75	Macro 18	step
		76-79	Macro 19	step
		80-83	Macro 20	step
		84-87	Macro 21	step
		88-91	Macro 22	step
		92-95	Macro 23	step
		96-99	Macro 24	step
		100-103	Macro 25	step
		104-107	Macro 26	step
		108-111	Macro 27	step
		112-115	Macro 28	step
		116-119	Macro 29	step
		120-123	Macro 30	step
		124-127	Macro 31	step
		128-131	Macro 32	step
		132-135	Macro 33	step
		136-139	Macro 34	step
		140-143	Macro 35	step
		144-147	Macro 36	step
		148-151	Macro 37	step
		152-155	Macro 38	step
		156-159	Macro 39	step
		160-163	Macro 40	step
		164-167	Macro 41	step
		168-171	Macro 42	step
		172-175	Macro 43	step
		176-179	Macro 44	step
		180-183	Macro 45	step
		184-187	Macro 46	step
		188-191	Macro 47	step
		192-195	Macro 48	step
		196-199	Macro 49	step
		200-203	Macro 50	step
		204-207	Macro 51	step
		208-211	Macro 52	step

Mode/channel		DMX Value	Function	Type of control
1	2			
		212-255	Reserved	
45	**39**		**Framing shutters macro speed**	
		0- 255	Speed from slow to fast.	proportional
46	**40**		**Shutter/ strobe**	
		0 - 31	Shutter closed	step
		32 - 63	Shutter open	step
		64 - 95	Strobe effect	proportional
			(64-0.4Hz, 67 - 0.5Hz, 74-1Hz, 83 - 5Hz, 91 - 10Hz, 95 - 11Hz)	
		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, Electronic strobing „ZAP” from slow to fast	proportional
		192 - 223	Random strobe-effect from slow to fast	proportional
		224 - 255	Shutter open	step
47	**41**		**Dimmer intensity**	
		0 - 255	Dimmer intensity from 0% to 100%	proportional
48	*****		**Dimmer intensity - fine**	
		0 - 255	Fine dimming	proportional

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Colour macros								
Color name	**CW1** DMX	**CW1 fine** DMX	**CW2** DMX	**CW2 fine** DMX	**Cyan** DMX	**Magenta** DMX	**Yellow** DMX	**CTO** DMX
Colour Macro 1	0	0	0	0	0	116	0	95
Colour Macro 2	0	0	0	0	0	148	0	108
Colour Macro 3	0	0	0	0	0	196	0	108
Colour Macro 4	0	0	0	0	0	255	0	98
Colour Macro 5	0	0	0	0	0	255	0	215
Colour Macro 6	0	0	0	0	0	255	161	0
Colour Macro 7	0	0	0	0	0	255	210	0
Colour Macro 8	0	0	0	0	0	255	255	0
Colour Macro 9	0	0	0	0	0	220	255	0
Colour Macro 10	0	0	0	0	0	192	255	0
Colour Macro 11	0	0	0	0	0	144	255	0
Colour Macro 12	0	0	0	0	0	97	255	0
Colour Macro 13	0	0	0	0	0	0	255	95
Colour Macro 14	0	0	0	0	0	0	255	65
Colour Macro 15	0	0	0	0	0	0	255	0
Colour Macro 16	0	0	0	0	91	0	255	0
Colour Macro 17	0	0	0	0	152	0	255	0
Colour Macro 18	0	0	0	0	213	0	255	0
Colour Macro 19	0	0	0	0	255	0	231	0
Colour Macro 20	0	0	0	0	255	0	188	0
Colour Macro 21	0	0	0	0	255	0	90	0
Colour Macro 22	0	0	0	0	255	0	70	0
Colour Macro 23	0	0	0	0	255	0	0	0
Colour Macro 24	0	0	0	0	255	57	0	0
Colour Macro 25	0	0	0	0	255	83	0	0
Colour Macro 26	0	0	0	0	255	127	0	0
Colour Macro 27	0	0	0	0	255	166	0	0
Colour Macro 28	0	0	0	0	255	226	0	0
Colour Macro 29	0	0	0	0	255	255	0	0
Colour Macro 30	0	0	0	0	255	255	95	0
LEE 4 (Medium Bastard Amber)	0	0	0	0	0	94	107	0
LEE 10 (Medium Yellow)	0	0	0	0	110	0	255	0
LEE 19 (Fire)	0	0	0	0	0	222	236	0
LEE 26 (Bright Red)	175	0	0	0	0	255	221	255
LEE 58 (Lavender)	0	0	0	0	200	166	0	0
LEE 68 (Sky Blue)	0	0	0	0	226	125	0	0
LEE 71 (Tokyo Blue)	145	0	0	0	241	116	0	0
LEE 79 (Just Blue)	0	0	0	0	254	149	0	0
LEE 88 (Lime Green)	0	0	155	0	89	0	134	0
LEE 90 (Dark Yellow Green)	0	0	0	0	228	0	236	0
LEE 100 (Spring Yellow)	0	0	0	0	128	0	231	0
LEE 101 (Yellow)	0	0	0	0	97	0	245	0
LEE 102 (Light Amber)	0	0	0	0	84	0	190	0
LEE 103 (Straw)	0	0	0	0	0	52	106	0
Lee 104 (Deep Amber)	0	0	0	0	0	9	218	0
LEE 105 (Orange)	0	0	0	0	0	132	242	0

LEE 106 (Primary Red)	155	0	135	0	91	255	0	255
LEE 111 (Dark Pink)	0	0	0	0	0	152	80	0
LEE 115 (Peacock Blue)	0	0	0	0	200	0	124	0
LEE 116 (Medium Blue-Green)	0	0	0	0	236	0	145	0
LEE 117 (Steel Blue)	0	0	0	0	106	7	0	0
LEE 118 (Light Blue)	0	0	0	0	196	76	0	0
LEE 119 (Dark Blue)	0	0	145	0	238	47	0	0
LEE 120 (Deep Blue)	145	0	0	0	79	1	0	0
LEE 121 (LEE Green)	0	0	0	0	182	0	225	70
LEE 128 (Bright Pink)	0	0	0	0	89	216	0	0
LEE 131 (Marine Blue)	0	0	0	0	173	0	125	0
LEE 132 (Medium Blue)	0	0	0	0	255	136	0	0
LEE 134 (Golden Amber)	0	0	0	0	0	108	176	0
LEE 135 (Deep Golden Amber)	0	0	0	0	0	193	246	0
LEE 136 (Pale Lavender)	0	0	0	0	104	105	0	0
LEE 137 (Special Lavender)	0	0	0	0	155	117	0	0
LEE 138 (Pale Green)	0	0	0	0	143	0	179	0
LEE 139 (Primary Green)	0	0	0	0	216	0	236	0
LEE 141 (Bright Blue)	0	0	0	0	217	74	0	0
LEE 147 (Apricot)	0	0	0	0	0	99	143	0
LEE 148 (Bright Rose)	0	0	0	0	0	210	110	0
LEE 152 (Pale Gold)	0	0	0	0	0	86	103	0
LEE 154 (Pale Rose)	0	0	0	0	0	93	101	0
LEE 157 (Pink)	0	0	0	0	0	159	117	0
LEE 158 (Deep Orange)	0	0	0	0	0	156	231	0
LEE 162 (Bastard Amber)	0	0	0	0	0	83	100	0
LEE 164 (Flame Red)	0	0	0	0	0	217	210	0
LEE 165 (Daylight Blue)	0	0	0	0	191	94	0	0
LEE 169 (Lilac Tint)	0	0	0	0	76	85	0	0
LEE 170 (Deep Lavender)	0	0	0	0	118	123	0	0
LEE 172 (Lagoon Blue)	0	0	0	0	191	0	80	0
LEE 179 (Chrome Orange)	0	0	0	0	0	90	251	0
LEE 180 (Dark Lavender)	0	0	0	0	206	166	0	0
LEE 181 (Congo Blue)	145	0	145	0	131	0	103	0
LEE 197 (Alice Blue)	0	0	0	0	203	137	0	0
LEE 201 (Full C.T. Blue)	0	0	0	0	123	95	0	0
LEE 202 (Half C.T. Blue)	0	0	0	0	96	75	0	0
LEE 203 (Quarter C.T. Blue)	0	0	0	0	73	59	0	0
LEE 204 (Full C.T. Orange)	0	0	0	0	0	71	142	0
LEE 205 (Half C.T. Orange)	0	0	0	0	0	49	106	0
LEE 206 (Quarter C.T. Orange)	0	0	0	0	0	12	93	0
LEE 247 (LEE Minus Green)	0	0	0	0	0	99	72	0
LEE 248 (Half Minus Green)	0	0	0	0	0	83	71	0
LEE 281 (Three Quarter C.T. Blue)	0	0	0	0	111	81	0	0
LEE 285 (Three Quarter C.T. Orange)	0	0	0	0	0	49	124	0
LEE 352 (Glacier Blue)	0	0	0	0	171	83	0	0
LEE 353 (Lighter Blue)	0	0	0	0	153	0	77	0
LEE 715 (Cabana Blue)	0	0	0	0	248	155	0	0
LEE 778 (Millennium Gold)	0	0	0	0	0	171	240	0
LEE 793 (Vanity Fair)	0	0	0	0	72	222	18	0