

DMX protocol

Robin BMFL WashBeam - DMX protocol				
version 1.3		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	
			<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 46/40 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden except DMX Input.</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
		30-34	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
		70-74	Home position on	step
		75-79	Home position off	step
		80-89	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
		110-114	Blackout while colour wheels moving	step
		115 -119	Disabled blackout while colour wheels moving	step
		120-129	Reserved	
			<i>To activate following functions, stop in DMX value for at least 3 seconds.</i>	
		130 - 139	Lamp On	step

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		140 - 149	Pan/Tilt reset	step
		150 - 159	Colour system reset	step
		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	
			<i>Continual positioning</i>	
		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
			<i>Positioning</i>	
		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 (Set microphone sensitivity in menu „Personality“)	step
		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	
			<i>Continual positioning</i>	
		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
			<i>Positioning</i>	
		130-139	Pink	step
		140-149	Lavander	step

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		150-159	Laser green	step
		160-169	CTB	step
		170-179	minus 1/1 green	step
		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 (Set microphone sensitivity in menu „Personality“)	step
		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

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		56-57	Colour Macro 25	step
		58-59	Colour Macro 26	step
		60-61	Colour Macro 27	step
		62-63	Colour Macro 28	step
		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

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		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
		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 (Set microphone sensitivity in menu "PErsonality")	step
		250 - 255	Auto random macro selection from fast to slow	proportional
16	14		Effect Speed	
			<i>Speed of CMY&CTO movement and Rot. Gobo selection</i>	
		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

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		1 - 127	Forwards rotation from fast to slow	proportional
		128	No rotation - <u>default</u>	step
		129 -255	Backwards rotation from slow to fast	proportional
21	19		Effect wheel animations	
		0-7	No animation 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. <i>The channels are blocked: Colour wheel 1 and 2, CMY+CMY macros, Effect wheel positioning, Effect wheel rotation, Rotat. gobo, gobo rotation</i>	
		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. <i>The channels are blocked: Effect wheel positioning, Effect wheel rotation, Rotat. gobo, gobo rotation</i>	
		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

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		50-54	Gobo 5	step
		55-59	Gobo 6	step
			<i>Shaking gobos from slow to fast</i>	
			<i>Index - set indexing on channel 23/21</i>	
		60-71	Gobo 1	proportional
		72-83	Gobo 2	proportional
		84-95	Gobo 3	proportional
		96-106	Gobo 4	proportional
		107-118	Gobo 5	proportional
		119-129	Gobo 6	proportional
			<i>Shaking gobos from slow to fast</i>	
			<i>Rotation - set rotation on channel 23/21</i>	
		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	
			<i>Gobo indexing - set position on channel 22/20</i>	
		0 - 255	Gobo indexing	proportional
			<i>Gobo rotation - set position on channel 22/20</i>	
		0	No rotation	step
		1 - 127	Forwards gobo rotation from fast to slow	proportional
		128	No rotation - <u>default</u>	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.	

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
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
		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	

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		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
		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

DMX protocol

Mode/channel		DMX Value	Function	Type of control
1	2			
		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
		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 (64-0.4Hz, 67 - 0.5Hz, 74-1Hz, 83 - 5Hz, 91 - 10Hz, 95 - 11Hz)	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, 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
Copyright © 2015-2016 Robe Lighting s.r.o. - All rights reserved				
All Specifications subject to change without notice				

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