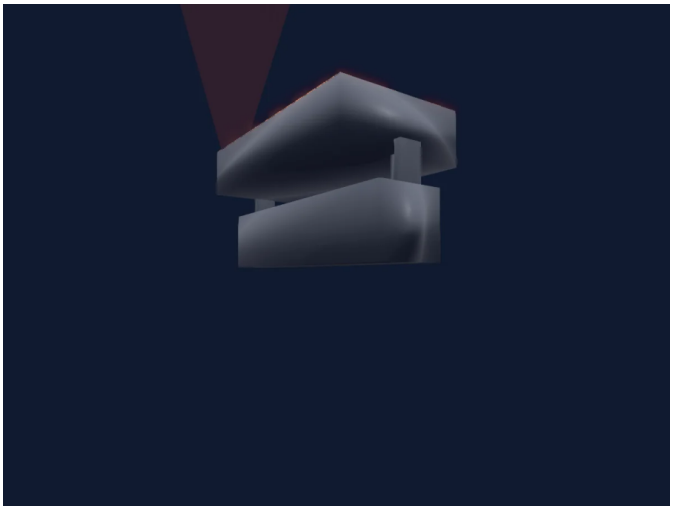
Eagle Lite

Falcon 540Z



Manufacturer	**Eagle Lite**
Type	**Effect light**
DMX modes	**8**
DMX footprint	**3, 4, 5, 15, 20, 21, 37 channels**
Beam angle	**7-58°**
Heads / cells	**6**
Size (W × H × D)	**466 × 110 × 117 mm**
GDTF fixture type	**90B8F41A-8672-4228-A754-B4…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

3CH Mode	3 ch
4CH MODE 1	4 ch
4CH MODE 2	4 ch
5CH Mode	5 ch
15CH Mode	15 ch
20CH Mode	20 ch
21CH Mode	21 ch
37CH Mode	37 ch

3CH Mode

3 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
2	Dimmer	0	2–62 Min 63–126 25% 127–190 50% 191–254 75 255–255 Max
3	Color Wheel	0	0–5 Colour Off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mallow (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White 3200K (wheel slot 14) 110–117 White 5600K (wheel slot 15) 118–125 Cold White 7200K (wheel slot 16) 126–127 No Function 128–191 Colour jumping 192–255 Colour fading

4CH MODE 1

4 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
2	Dimmer	0	0–254 Closed 255–255 Open
3	Shutter / Strobe	0	0–5 Open 6–10 Close 25–126 10% Strobe 127–249 50% Strobe 250–250 100% Strobe 251–255 Open

4CH MODE 1 (continued)

Ch	Function	Default	DMX values
4	Color Wheel	0	0–5 Colour Off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mallow (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White 3200K (wheel slot 14) 110–117 White 5600K (wheel slot 15) 118–125 Cold White 7200K (wheel slot 16) 126–127 No Function 128–191 Colour jumping 192–255 Colour fading

4CH MODE 2

4 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
2	Red	255	
3	Green	255	
4	Blue	255	

5CH Mode

5 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	0	

15CH Mode

15 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
2	Dimmer	0	0–254 Closed 255–255 Open

15CH Mode (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–33 Random Pulse effect 34–56 Pulse Effect up 57–79 Shutter Close effect strobe 80–102 Random strobe 103–127 Strobe break 128–251 Strobe 252–255 Open
4	Red	255	
5	Green	255	
6	Blue	255	
7	White	0	
8	Custom	0	
9	Dimmer Curve	0	0–5 No function 6–63 Curve Linear 64–127 Curve Exponential 128–191 Curve Logarithmic 192–255 Curve S-curve
10	Function	0	0–5 No function 6–63 Dimmer response LED (hold 3 seconds) 64–127 Dimmer response Halogen (hold 3 seconds) 128–191 Fan high mode (hold 3 seconds) 192–255 Fan Auto mode (hold 3 seconds)
11	Dimmer	0	0–254 Closed 255–255 Open
12	Shutter / Strobe	0	0–1 Open 2–62 Strobe · Min 63–126 Strobe · 25% 127–190 Strobe · 50% 191–254 Strobe · 75% 255–255 Strobe · Max
13	Red	0	
14	Green	0	
15	Blue	0	

20CH Mode

20 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	0	
6	Red	0	
7	Green	0	
8	Blue	0	
9	White	0	
10	Red	0	

20CH Mode (continued)

Ch	Function	Default	DMX values
11	Green	0	
12	Blue	0	
13	White	0	
14	Red	0	
15	Green	0	
16	Blue	0	
17	White	0	
18	Red	0	
19	Green	0	
20	Blue	0	

21CH Mode

21 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–254 Narrow 255–255 Wide
2	Zoom MSpeed	0	0–254 Fast 255–255 Slow
3	Dimmer	0	0–254 Closed 255–255 Open
4	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–33 Random Pulse effect 34–56 Pulse Effect up 57–79 Shutter Close effect strobe 80–102 Random strobe 103–127 Strobe break 128–251 Strobe 252–255 Open
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Color Wheel	0	0–5 Colour Off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mallow (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White 3200K (wheel slot 14) 110–117 White 5600K (wheel slot 15) 118–125 Cold White 7200K (wheel slot 16) 126–127 No Function 128–191 Colour jumping 192–255 Colour fading

21CH Mode (continued)

Ch	Function	Default	DMX values
10	Color Effects1	0	0–5 Rainbow off 6–21 Rainbow 1 22–37 Rainbow 2 38–53 Rainbow 3 54–69 Rainbow 4 70–85 Rainbow 5 86–101 Rainbow 6 102–117 Rainbow 7 118–133 Rainbow 8 134–149 Rainbow 9 150–165 Rainbow 10 166–181 Rainbow 11 182–197 Rainbow 12 198–213 Rainbow 13 214–229 Rainbow 14 230–255 Rainbow 15
11	Effect	0	0–5 No function 6–30 Auto program 1 31–55 Auto program 2 56–80 Auto program 3 81–105 Auto program 4 106–130 Auto program 5 131–155 Auto program 6 156–180 Auto program 7 181–205 Auto program 8 206–230 Auto program 9 231–255 Auto program 10
12	Effect Speed	0	0–254 Slow 255–255 Fast
13	Effects1Fade	0	
14	Dimmer Curve	0	0–5 No function 6–63 Curve Linear 64–127 Curve Exponential 128–191 Curve Logarithmic 192–255 Curve S-curve
15	Function	0	0–5 No function 6–55 Dimmer response LED (hold 3 seconds) 56–105 Dimmer response Halogen (hold 3 seconds) 106–155 Fan high mode (hold 3 seconds) 156–205 Fan Auto mode (hold 3 seconds) 206–255 Reset all functions (hold 5 seconds)
16	Dimmer	0	0–254 Closed 255–255 Open
17	Shutter / Strobe	0	0–1 Open 2–62 Strobe · Min 63–126 Strobe · 25% 127–190 Strobe · 50% 191–254 Strobe · 75% 255–255 Strobe · Max
18	Red	0	
19	Green	0	
20	Blue	0	

21CH Mode (continued)

Ch	Function	Default	DMX values
21	Color Wheel	0	0–5 Colour Off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mallow (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White 3200K (wheel slot 14) 110–117 White 5600K (wheel slot 15) 118–125 Cold White 7200K (wheel slot 16) 126–127 No Function 128–191 Colour jumping 192–255 Colour fading

37CH Mode

37 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–254 Narrow 255–255 Wide
2	Zoom MSpeed	0	0–254 Fast 255–255 Slow
3	Dimmer	0	0–254 Closed 255–255 Open
4	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–33 Random Pulse effect 34–56 Pulse Effect up 57–79 Shutter Close effect strobe 80–102 Random strobe 103–127 Strobe break 128–251 Strobe 252–255 Open
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	

37CH Mode (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–5 Colour Off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mallow (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White 3200K (wheel slot 14) 110–117 White 5600K (wheel slot 15) 118–125 Cold White 7200K (wheel slot 16) 126–127 No Function 128–191 Colour jumping 192–255 Colour fading
10	Color Effects1	0	0–5 Rainbow off 6–21 Rainbow 1 22–37 Rainbow 2 38–53 Rainbow 3 54–69 Rainbow 4 70–85 Rainbow 5 86–101 Rainbow 6 102–117 Rainbow 7 118–133 Rainbow 8 134–149 Rainbow 9 150–165 Rainbow 10 166–181 Rainbow 11 182–197 Rainbow 12 198–213 Rainbow 13 214–229 Rainbow 14 230–255 Rainbow 15
11	Effect	0	0–5 No function 6–30 Auto program 1 31–55 Auto program 2 56–80 Auto program 3 81–105 Auto program 4 106–130 Auto program 5 131–155 Auto program 6 156–180 Auto program 7 181–205 Auto program 8 206–230 Auto program 9 231–255 Auto program 10
12	Effect Speed	0	0–254 Slow 255–255 Fast
13	Effects1Fade	0	
14	Dimmer Curve	0	0–5 No function 6–63 Curve Linear 64–127 Curve Exponential 128–191 Curve Logarithmic 192–255 Curve S-curve
15	Function	0	0–5 No function 6–55 Dimmer response LED (hold 3 seconds) 56–105 Dimmer response Halogen (hold 3 seconds) 106–155 Fan high mode (hold 3 seconds) 156–205 Fan Auto mode (hold 3 seconds) 206–255 Reset all functions (hold 5 seconds)

37CH Mode (continued)

Ch	Function	Default	DMX values
16	Red	0	
17	Green	0	
18	Blue	0	
19	White	0	
20	Red	0	
21	Green	0	
22	Blue	0	
23	White	0	
24	Red	0	
25	Green	0	
26	Blue	0	
27	White	0	
28	Red	0	
29	Green	0	
30	Blue	0	
31	White	0	
32	Dimmer	0	0–254 Closed 255–255 Open
33	Shutter / Strobe	0	0–5 Open 6–10 Close 11–250 Strobe Slow to fast 251–255 Open
34	Red	0	
35	Green	0	
36	Blue	0	
37	Color Wheel	0	0–5 Colour Off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mallow (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White 3200K (wheel slot 14) 110–117 White 5600K (wheel slot 15) 118–125 Cold White 7200K (wheel slot 16) 126–127 No Function 128–191 Colour jumping 192–255 Colour fading