Blizzard Lighting LLC

MystACL Z IP



Manufacturer	**Blizzard Lighting LLC**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**13, 26, 28, 46 channels**
Beam angle	**8.9-42.2°**
Tilt range	**200°**
Heads / cells	**10**
Size (W × H × D)	**550 × 290 × 162 mm**
GDTF fixture type	**F0908009-830E-4510-8911-B5A…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

13Ch Macro Mode	13 ch
26Ch 2-LED Pixel Groups	26 ch
28Ch Pixel Set Foreground/Background Mode w/Macros	28 ch
46Ch Pixel Mapping Mode	46 ch

13Ch Macro Mode

13 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Zoom	127	0–0 Wide 1–254 Wide > Narrow 255–255 Narrow
4	Color Macro1	0	0–7 Open (wheel slot 1) 8–15 Red 100% (wheel slot 2) 16–23 + 50% Green (wheel slot 3) 24–31 Yellow (Red 100% + Green 100%) (wheel slot 4) 32–39 -50% Red (wheel slot 5) 40–47 Green 100% (wheel slot 6) 48–55 +50% Blue (wheel slot 7) 56–63 Cyan (Green 100% + Blue 100%) (wheel slot 8) 64–71 Blue 100% (wheel slot 10) 72–79 +50% Red (wheel slot 11) 80–87 Magenta (Blue 100% + Red 100%) (wheel slot 12) 88–95 -50% Blue (wheel slot 13) 96–103 Red 100% = 50% White (wheel slot 14) 104–111 White 3200K - CTC (wheel slot 15) 112–119 White 5600K - CTC (wheel slot 16) 120–127 White 7200K - CTC (wheel slot 17) 128–192 Color Fade F > S 193–255 Color Snap F > S
5	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
6	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
8	White	255	0–0 Min 1–254 Min > Max 255–255 Max
9	Shutter / Strobe	0	0–9 Shutter Closed 10–10 Random Pulse Strobe · Slow 0.1 Hz 11–108 Random Pulse Strobe · Slow <--> Fast 0.301–19.8 Hz 109–109 Random Pulse Strobe · Fast 20 Hz 210–210 Strobe 0-100 · Slow 15.5 Hz 211–238 Strobe 0-100 · Slow <--> Fast 15.7–19.8 Hz 239–239 Strobe 0-100 · Fast 20 Hz 240–255 Shutter Open
10	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
11	Fixture Global Reset	0	0–254 No Function 255–255 Reset (Hold for 5 seconds)

13Ch Macro Mode (continued)

Ch	Function	Default	DMX values
12	Effect	0	0–14 Open 15–30 Pattern 1 - Macro 31–46 Pattern 2 - Macro 47–62 Pattern 3 - Macro 63–78 Pattern 4 - Macro 79–94 Pattern 5 - Macro 95–110 Pattern 6 - Macro 111–126 Pattern 7 - Macro 127–142 Pattern 8 - Macro 143–158 Pattern 9 - Macro 159–174 Pattern 10 - Macro 175–190 Pattern 11 - Macro 191–206 Pattern 12 - Macro 207–222 Pattern 13 - Macro 223–255 Pattern 14 - Macro
13	Effect Speed	0	0–0 Slow 1–254 Slow <--> Fast 255–255 Fast

26Ch 2-LED Pixel Groups

26 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Zoom	127	0–0 Wide 1–254 Wide > Narrow 255–255 Narrow
4	Shutter / Strobe	0	0–9 Shutter Closed 10–10 Random Pulse Strobe · Slow 0.1 Hz 11–108 Random Pulse Strobe · Slow <--> Fast 0.301–19.8 Hz 109–109 Random Pulse Strobe · Fast 20 Hz 210–210 Strobe 0-100 · Slow 15.5 Hz 211–238 Strobe 0-100 · Slow <--> Fast 15.7–19.8 Hz 239–239 Strobe 0-100 · Fast 20 Hz 240–255 Shutter Open
5	Fixture Global Reset	0	0–254 No Function 255–255 Reset (Hold for 5 seconds)
6	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
7	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
9	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
10	White	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Red	255	0–0 Min 1–254 Min > Max 255–255 Max

26Ch 2-LED Pixel Groups (continued)

Ch	Function	Default	DMX values
12	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
13	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
14	White	255	0–0 Min 1–254 Min > Max 255–255 Max
15	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
16	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
17	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
18	White	255	0–0 Min 1–254 Min > Max 255–255 Max
19	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
20	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
21	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
22	White	255	0–0 Min 1–254 Min > Max 255–255 Max
23	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
24	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
25	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
26	White	255	0–0 Min 1–254 Min > Max 255–255 Max

28Ch Pixel Set Foreground/Background Mode w/Macros

28 channels

Ch	Function	Default	DMX values
1	Tilt	0	
2	Tilt Fine	0	Fine byte of Tilt
3	Zoom	127	0–0 Wide 1–254 Wide > Narrow 255–255 Narrow

28Ch Pixel Set Foreground/Background Mode w/Macros (continued)

Ch	Function	Default	DMX values
4	Color Macro1	0	0–7 Open (wheel slot 1) 8–15 Red 100% (wheel slot 2) 16–23 + 50% Green (wheel slot 3) 24–31 Yellow (Red 100% + Green 100%) (wheel slot 4) 32–39 -50% Red (wheel slot 5) 40–47 Green 100% (wheel slot 6) 48–55 +50% Blue (wheel slot 7) 56–63 Cyan (Green 100% + Blue 100%) (wheel slot 8) 64–71 Blue 100% (wheel slot 10) 72–79 +50% Red (wheel slot 11) 80–87 Magenta (Blue 100% + Red 100%) (wheel slot 12) 88–95 -50% Blue (wheel slot 13) 96–103 Red 100% = 50% White (wheel slot 14) 104–111 White 3200K - CTC (wheel slot 15) 112–119 White 5600K - CTC (wheel slot 16) 120–127 White 7200K - CTC (wheel slot 17) 128–192 Color Fade F > S 193–255 Color Snap F > S
5	Red	0	
6	Green	0	
7	Blue	0	
8	White	0	
9	Dimmer	0	0–254 Closed 255–255 Open
10	Shutter / Strobe	0	0–9 Shutter Closed 10–10 Random Pulse Strobe · Slow 0.1 Hz 11–108 Random Pulse Strobe · Slow <--> Fast 0.301–19.8 Hz 109–109 Random Pulse Strobe · Fast 20 Hz 210–210 Strobe 0-100 · Slow 15.5 Hz 211–238 Strobe 0-100 · Slow <--> Fast 15.7–19.8 Hz 239–239 Strobe 0-100 · Fast 20 Hz 240–255 Shutter Open
11	Dimmer	0	0–254 Closed 255–255 Open
12	Fixture Global Reset	0	0–254 No Function 255–255 Reset (Hold for 5 seconds)
13	Color Macro1	0	0–7 Open (wheel slot 1) 8–15 Red 100% (wheel slot 2) 16–23 + 50% Green (wheel slot 3) 24–31 Yellow (Red 100% + Green 100%) (wheel slot 4) 32–39 -50% Red (wheel slot 5) 40–47 Green 100% (wheel slot 6) 48–55 +50% Blue (wheel slot 7) 56–63 Cyan (Green 100% + Blue 100%) (wheel slot 8) 64–71 Blue 100% (wheel slot 10) 72–79 +50% Red (wheel slot 11) 80–87 Magenta (Blue 100% + Red 100%) (wheel slot 12) 88–95 -50% Blue (wheel slot 13) 96–103 Red 100% = 50% White (wheel slot 14) 104–111 White 3200K - CTC (wheel slot 15) 112–119 White 5600K - CTC (wheel slot 16) 120–127 White 7200K - CTC (wheel slot 17) 128–192 Color Fade F > S 193–255 Color Snap F > S
14	Red	0	
15	Green	0	
16	Blue	0	
17	White	0	

28Ch Pixel Set Foreground/Background Mode w/Macros (continued)

Ch	Function	Default	DMX values
18	Dimmer	0	0–254 Closed 255–255 Open
19	Color Macro1	0	0–7 Open (wheel slot 1) 8–15 Red 100% (wheel slot 2) 16–23 + 50% Green (wheel slot 3) 24–31 Yellow (Red 100% + Green 100%) (wheel slot 4) 32–39 -50% Red (wheel slot 5) 40–47 Green 100% (wheel slot 6) 48–55 +50% Blue (wheel slot 7) 56–63 Cyan (Green 100% + Blue 100%) (wheel slot 8) 64–71 Blue 100% (wheel slot 10) 72–79 +50% Red (wheel slot 11) 80–87 Magenta (Blue 100% + Red 100%) (wheel slot 12) 88–95 -50% Blue (wheel slot 13) 96–103 Red 100% = 50% White (wheel slot 14) 104–111 White 3200K - CTC (wheel slot 15) 112–119 White 5600K - CTC (wheel slot 16) 120–127 White 7200K - CTC (wheel slot 17) 128–192 Color Fade F > S 193–255 Color Snap F > S
20	Red	0	
21	Green	0	
22	Blue	0	
23	White	0	
24	Dimmer	0	0–254 Closed 255–255 Open
25	Effect	0	0–85 Set Length 1 Pixel 86–171 Set Length 2 Pixels 172–255 Set Length 3 Pixels
26	Effect	0	0–14 Open 15–30 Pattern 1 - Macro 31–46 Pattern 2 - Macro 47–62 Pattern 3 - Macro 63–78 Pattern 4 - Macro 79–94 Pattern 5 - Macro 95–110 Pattern 6 - Macro 111–126 Pattern 7 - Macro 127–142 Pattern 8 - Macro 143–158 Pattern 9 - Macro 159–174 Pattern 10 - Macro 175–190 Pattern 11 - Macro 191–206 Pattern 12 - Macro 207–222 Pattern 13 - Macro 223–255 Pattern 14 - Macro
27	Effect	0	0–85 Set Length 1 Pixel 86–171 Set Length 2 Pixels 172–255 Set Length 3 Pixels
28	Effect Speed	0	0–0 Slow 1–254 Slow <--> Fast 255–255 Fast

46Ch Pixel Mapping Mode

46 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max

46Ch Pixel Mapping Mode (continued)

Ch	Function	Default	DMX values
2	Tilt Fine	255	Fine byte of Tilt
3	Zoom	127	0–0 Wide 1–254 Wide > Narrow 255–255 Narrow
4	Shutter / Strobe	0	0–9 Shutter Closed 10–10 Random Pulse Strobe · Slow 0.1 Hz 11–108 Random Pulse Strobe · Slow <--> Fast 0.301–19.8 Hz 109–109 Random Pulse Strobe · Fast 20 Hz 210–210 Strobe 0-100 · Slow 15.5 Hz 211–238 Strobe 0-100 · Slow <--> Fast 15.7–19.8 Hz 239–239 Strobe 0-100 · Fast 20 Hz 240–255 Shutter Open
5	Fixture Global Reset	0	0–254 No Function 255–255 Reset (Hold for 5 seconds)
6	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
7	Red	0	
8	Green	0	
9	Blue	0	
10	White	0	
11	Red	0	
12	Green	0	
13	Blue	0	
14	White	0	
15	Red	0	
16	Green	0	
17	Blue	0	
18	White	0	
19	Red	0	
20	Green	0	
21	Blue	0	
22	White	0	
23	Red	0	
24	Green	0	
25	Blue	0	
26	White	0	
27	Red	0	
28	Green	0	
29	Blue	0	
30	White	0	
31	Red	0	
32	Green	0	
33	Blue	0	
34	White	0	
35	Red	0	
36	Green	0	
37	Blue	0	
38	White	0	

46Ch Pixel Mapping Mode (continued)

Ch	Function	Default	DMX values
39	Red	0	
40	Green	0	
41	Blue	0	
42	White	0	
43	Red	0	
44	Green	0	
45	Blue	0	
46	White	0	