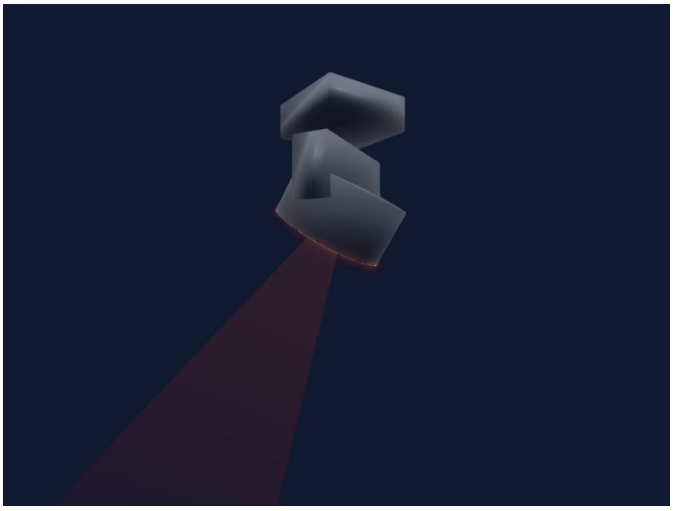
Black Light Design

CLF Lighting POSEIDON Wash XL



Manufacturer	**Black Light Design**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**28, 41, 47, 100 channels**
Beam angle	**4.5-60°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**4**
Size (W × H × D)	**400 × 200 × 400 mm**
GDTF fixture type	**CDF21FE6-34A1-4BFE-B032-C3…**

Controls

Zoom · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions · Strobe · Built-in effect programmes

DMX modes

28 ch	28 ch
41 ch	41 ch
47 ch	47 ch
100 ch	100 ch

28 ch

28 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Function	0	0–10 Function 1 11–15 DMX Input 16–20 Wireless / ArtNet Input 21–25 W-DMX / ArtNet Reset 26–30 Zoom Reset 31–40 P / T Reset 41–50 Fixture Reset 51–55 LED NORMAL FAN 56–60 LED MAXIMAL FAN 61–65 LED MINIMAL FAN 66–70 LED SILENT FAN 71–75 RGBW Color Mixing Mode 76–80 CMY Colour Mixing Mode 81–85 DISPLAY ON 86–90 DISPLAY OFF 91–95 CALIBRATION FACTORY 96–102 CALIBRATION MANUAL 103–105 Enable Pixel Map 106–110 Disable Pixel Map 111–115 1800HZ 116–120 3600HZ 121–125 7200HZ 126–130 25000HZ 131–135 Beam mode on 136–140 Beam mode off 141–255 NoFeature 1
6	Zoom	0	
7	Beam Shaper	0	0–100 BeamShaper index 101–126 slow 127–127 fast 128–159 << 160–189 < 190–190 < 191–192 > 193–219 > 220–254 >> 255–255 >>>
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Shutter / Strobe	255	0–9 closed 10–48 slow 49–49 fast 50–88 slow 89–89 fast 90–118 slow 119–119 fast 120–178 rnd slow 179–179 rnd fast 180–248 slow 249–249 fast 250–255 open
11	Color Wheel	0	
12	C TC	0	

28 ch (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	
14	Gobo	0	
15	Gobo Rotation	0	
16	Effects1Fade	0	
17	Color Wheel 2	0	
18	Dimmer	0	0–254 Closed 255–255 Open
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	0	
23	Dimmer	0	0–254 Closed 255–255 Open
24	Red	0	
25	Green	0	
26	Blue	0	
27	Effect	19	0–9 Closed 10–19 Open 20–38 strobe slow 39–39 strobe fast 40–255 Effects1 2
28	Effect Speed	0	

41 ch

41 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TC	0	
10	Color Wheel	0	
11	Shutter / Strobe	0	0–9 closed 10–48 slow 49–49 fast 50–88 slow 89–89 fast 90–118 slow 119–119 fast 120–178 rnd slow 179–179 rnd fast 180–248 slow 249–249 fast 250–255 open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer

41 ch (continued)

Ch	Function	Default	DMX values
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Function	0	0–10 Function 1 11–15 DMX Input 16–20 Wireless / ArtNet Input 21–25 W-DMX / ArtNet Reset 26–30 Zoom Reset 31–40 P / T Reset 41–50 Fixture Reset 51–55 LED NORMAL FAN 56–60 LED MAXIMAL FAN 61–65 LED MINIMAL FAN 66–70 LED SILENT FAN 71–75 RGBW Color Mixing Mode 76–80 CMY Colour Mixing Mode 81–85 DISPLAY ON 86–90 DISPLAY OFF 91–95 CALIBRATION FACTORY 96–102 CALIBRATION MANUAL 103–105 Enable Pixel Map 106–110 Disable Pixel Map 111–115 1800HZ 116–120 3600HZ 121–125 7200HZ 126–130 25000HZ 131–135 Beam mode on 136–140 Beam mode off 141–255 NoFeature 1
19	Control1	0	
20	Zoom	0	
21	Beam Shaper	0	0–100 BeamShaper index 101–126 slow 127–127 fast 128–159 << 160–189 < 190–190 < 191–192 > 193–219 > 220–254 >> 255–255 >>>
22	Gobo	0	
23	Gobo Rotation	0	
24	Effects1Fade	0	
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	0	
29	Dimmer	0	0–254 Closed 255–255 Open
30	Dimmer	0	0–254 Closed 255–255 Open
31	Shape Transition	0	
32	Shape Offset	0	

41 ch (continued)

Ch	Function	Default	DMX values
33	Shutter / Strobe	255	0–9 closed 10–48 slow 49–49 fast 50–88 slow 89–89 fast 90–118 slow 119–119 fast 120–178 rnd slow 179–179 rnd fast 180–248 slow 249–249 fast 250–255 open
34	Shutter / Strobe	255	0–9 closed 10–48 slow 49–49 fast 50–88 slow 89–89 fast 90–118 slow 119–119 fast 120–178 rnd slow 179–179 rnd fast 180–248 slow 249–249 fast 250–255 open
35	Gobo 2	0	
36	Dimmer	0	0–254 Closed 255–255 Open
37	Red	0	
38	Green	0	
39	Blue	0	
40	Effect	19	0–9 Closed 10–19 Open 20–38 strobe slow 39–39 strobe fast 40–255 Effects1 2
41	Effect Speed	0	

47 ch

47 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt

47 ch (continued)

Ch	Function	Default	DMX values
5	Function	0	0–10 Function 1 11–15 DMX Input 16–20 Wireless / ArtNet Input 21–25 W-DMX / ArtNet Reset 26–30 Zoom Reset 31–40 P / T Reset 41–50 Fixture Reset 51–55 LED NORMAL FAN 56–60 LED MAXIMAL FAN 61–65 LED MINIMAL FAN 66–70 LED SILENT FAN 71–75 RGBW Color Mixing Mode 76–80 CMY Colour Mixing Mode 81–85 DISPLAY ON 86–90 DISPLAY OFF 91–95 CALIBRATION FACTORY 96–102 CALIBRATION MANUAL 103–105 Enable Pixel Map 106–110 Disable Pixel Map 111–115 1800HZ 116–120 3600HZ 121–125 7200HZ 126–130 25000HZ 131–135 Beam mode on 136–140 Beam mode off 141–255 NoFeature 1
6	Zoom	0	
7	Beam Shaper	0	0–100 BeamShaper index 101–126 slow 127–127 fast 128–159 << 160–189 < 190–190 < 191–192 > 193–219 > 220–254 >> 255–255 >>>
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Shutter / Strobe	255	0–9 closed 10–48 slow 49–49 fast 50–88 slow 89–89 fast 90–118 slow 119–119 fast 120–178 rnd slow 179–179 rnd fast 180–248 slow 249–249 fast 250–255 open
11	Color Wheel	0	
12	C TC	0	
13	Gobo 2	0	
14	Gobo	0	
15	Gobo Rotation	0	
16	Effects1Fade	0	

47 ch (continued)

Ch	Function	Default	DMX values
17	Color Wheel 2	0	
18	Dimmer	0	0–254 Closed 255–255 Open
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	0	
23	Color Wheel	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Dimmer	0	0–254 Closed 255–255 Open
43	Red	0	
44	Green	0	
45	Blue	0	
46	Effect	19	0–9 Closed 10–19 Open 20–38 strobe slow 39–39 strobe fast 40–255 Effects1 2
47	Effect Speed	0	

100 ch

100 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Function	0	
6	Zoom	0	

100 ch (continued)

Ch	Function	Default	DMX values
7	Beam Shaper	0	
8	Dimmer	0	
9	Dimmer Fine	0	Fine byte of Dimmer
10	Shutter / Strobe	0	0–9 closed 10–48 slow 49–49 fast 50–88 slow 89–89 fast 90–118 slow 119–119 fast 120–178 rnd slow 179–179 rnd fast 180–248 slow 249–249 fast 250–255 open
11	Color Wheel	0	
12	C TC	0	
13	Gobo 2	0	
14	Gobo	0	
15	Gobo Rotation	0	
16	Effects1Fade	0	
17	Color Wheel 2	0	
18	Dimmer	0	
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	

100 ch (continued)

Ch	Function	Default	DMX values
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	

100 ch (continued)

Ch	Function	Default	DMX values
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Dimmer	0	
96	Red	0	
97	Green	0	
98	Blue	0	
99	Effect	19	0–9 Closed 10–19 Open 20–38 strobe slow 39–39 strobe fast 40–255 Effects1 2
100	Effect Speed	0	