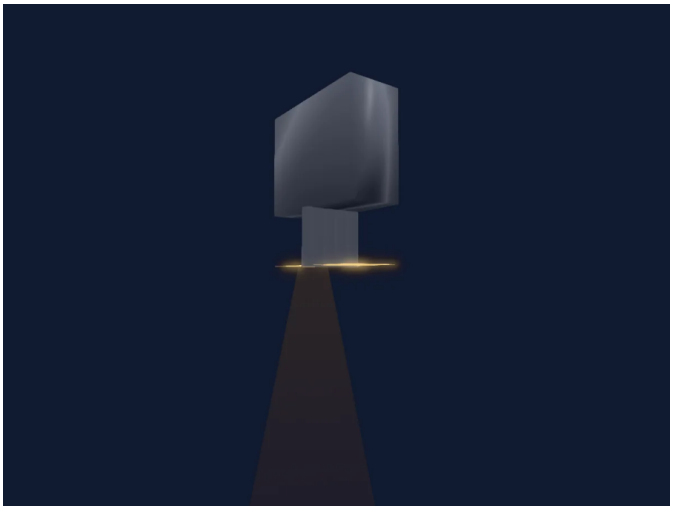
Black Light Design

CLF Lighting ARES



Manufacturer	**Black Light Design**
Type	**Effect light**
DMX modes	**7**
DMX footprint	**5, 9, 11, 21, 27, 30 channels**
Beam angle	**25°**
Heads / cells	**2**
Size (W × H × D)	**495 × 387 × 200 mm**
GDTF fixture type	**1E81F629-436E-4988-B1F4-CDF…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control

Safety-relevant functions

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

DMX modes

16 ch	5 ch
4 ch	5 ch
9 ch	9 ch
11 ch	11 ch
21 ch	21 ch
27 ch	27 ch
30 ch	30 ch

16 ch

5 channels

Ch	Function	Default	DMX values
1	Reserved 1	0	
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	0	

4 ch

5 channels

Ch	Function	Default	DMX values
1	Reserved 1	0	
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	0	

9 ch

9 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–19 Closed 20–24 Open 25–63 Fast 64–64 Slow 65–69 Open 70–83 Fast 84–84 Slow 85–89 Open 1 90–103 Fast 104–104 Slow 105–109 Open 2 110–123 Fast 124–124 Slow 125–129 Open 3 130–143 Fast 144–144 Slow 145–149 Open 4 150–163 Fast 164–164 Slow 165–169 Open 5 170–183 Fast 184–184 Slow 185–189 Open 6 190–203 Fast 204–204 Slow 205–209 Open 7 210–223 Fast 224–224 Slow 225–229 Open 8 230–243 Fast 244–244 Slow 245–255 Open 9
2	Dimmer	0	0–254 Closed 255–255 Open

9 ch (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 No function 40–44 SILENT MODE (level 1)-70% fan speed 45–49 SILENT MODE (level 2)-40% fan speed 50–54 SILENT MODE (level 3)-20% fan speed 55–59 No function 60–64 Fan mode FULL 65–69 Fan mode REGULATED 70–74 Fan mode SILENT 75–89 No function 90–94 COLOR CALIB = ON 95–99 Manual calibration = ON 100–104 COLOR CALIB = OFF 105–109 No function 110–114 Normal dimming 115–119 No function 120–124 Smooth dimming 125–129 No function 130–134 600 Hz Refresh rate 135–139 1200Hz Refresh rate 140–144 2400Hz Refresh rate 145–149 4800Hz Refresh rate 150–154 No function 155–159 WDMX - ON 160–164 No Function 165–169 WDMX - OFF 170–174 No Function 175–179 WDMX - RESET 180–184 No Function 185–189 Led power(Normal mode) 190–194 Led power(Theater mode) 195–199 Led power(High mode) 200–239 No Function 240–244 DMX Manual calibration mode 245–249 No function 250–255 illuminate display
4	Color Macro1	0	0–9 No function 10–255 Color Macro
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	C TO	0	0–9 No function 10–255 CTO

11 ch

11 channels

Ch	Function	Default	DMX values

11 ch (continued)

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–19 Closed 20–24 Open 25–63 Fast 64–64 Slow 65–69 Open 70–83 Fast 84–84 Slow 85–89 Open 1 90–103 Fast 104–104 Slow 105–109 Open 2 110–123 Fast 124–124 Slow 125–129 Open 3 130–143 Fast 144–144 Slow 145–149 Open 4 150–163 Fast 164–164 Slow 165–169 Open 5 170–183 Fast 184–184 Slow 185–189 Open 6 190–203 Fast 204–204 Slow 205–209 Open 7 210–223 Fast 224–224 Slow 225–229 Open 8 230–243 Fast 244–244 Slow 245–255 Open 9
2	Dimmer	0	0–254 Closed 255–255 Open

11 ch (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 No function 40–44 SILENT MODE (level 1)-70% fan speed 45–49 SILENT MODE (level 2)-40% fan speed 50–54 SILENT MODE (level 3)-20% fan speed 55–59 No function 60–64 Fan mode FULL 65–69 Fan mode REGULATED 70–74 Fan mode SILENT 75–89 No function 90–94 COLOR CALIB = ON 95–99 Manual calibration = ON 100–104 COLOR CALIB = OFF 105–109 No function 110–114 Normal dimming 115–119 No function 120–124 Smooth dimming 125–129 No function 130–134 600 Hz Refresh rate 135–139 1200Hz Refresh rate 140–144 2400Hz Refresh rate 145–149 4800Hz Refresh rate 150–154 No function 155–159 WDMX - ON 160–164 No Function 165–169 WDMX - OFF 170–174 No Function 175–179 WDMX - RESET 180–184 No Function 185–189 Led power(Normal mode) 190–194 Led power(Theater mode) 195–199 Led power(High mode) 200–239 No Function 240–244 DMX Manual calibration mode 245–249 No function 250–255 illuminate display
4	Color Macro1	0	0–9 No function 10–255 Color Macro
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	C TO	0	0–9 No function 10–255 CTO

11 ch (continued)

Ch	Function	Default	DMX values
10	Color Effects1	0	0–9 No function 10–19 Auto program 1 20–29 Auto program 2 30–39 Auto program 3 40–49 Auto program 4 50–59 Auto program 5 60–69 Auto program 6 70–79 Auto program 7 80–89 Auto program 8 90–99 Auto program 9 100–109 Auto program 10 110–119 Auto program 11 120–129 Auto program 12 130–139 Auto program 13 140–149 Auto program 14 150–159 Auto program 15 160–169 Auto program 16 170–179 Auto program 17 180–189 Auto program 18 190–199 Auto program 19 200–255 Auto program 20
11	Effect Speed	0	

21 ch

21 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–19 Closed 20–24 Open 25–63 Fast 64–64 Slow 65–69 Open 70–83 Fast 84–84 Slow 85–89 Open 1 90–103 Fast 104–104 Slow 105–109 Open 2 110–123 Fast 124–124 Slow 125–129 Open 3 130–143 Fast 144–144 Slow 145–149 Open 4 150–163 Fast 164–164 Slow 165–169 Open 5 170–183 Fast 184–184 Slow 185–189 Open 6 190–203 Fast 204–204 Slow 205–209 Open 7 210–223 Fast 224–224 Slow 225–229 Open 8 230–243 Fast 244–244 Slow 245–255 Open 9
2	Dimmer	0	0–254 Closed 255–255 Open

21 ch (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 No function 40–44 SILENT MODE (level 1)-70% fan speed 45–49 SILENT MODE (level 2)-40% fan speed 50–54 SILENT MODE (level 3)-20% fan speed 55–59 No function 60–64 Fan mode FULL 65–69 Fan mode REGULATED 70–74 Fan mode SILENT 75–89 No function 90–94 COLOR CALIB = ON 95–99 Manual calibration = ON 100–104 COLOR CALIB = OFF 105–109 No function 110–114 Normal dimming 115–119 No function 120–124 Smooth dimming 125–129 No function 130–134 600 Hz Refresh rate 135–139 1200Hz Refresh rate 140–144 2400Hz Refresh rate 145–149 4800Hz Refresh rate 150–154 No function 155–159 WDMX - ON 160–164 No Function 165–169 WDMX - OFF 170–174 No Function 175–179 WDMX - RESET 180–184 No Function 185–189 Led power(Normal mode) 190–194 Led power(Theater mode) 195–199 Led power(High mode) 200–239 No Function 240–244 DMX Manual calibration mode 245–249 No function 250–255 illuminate display
4	Red	255	
5	Green	255	
6	Blue	255	
7	White	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	

21 ch (continued)

Ch	Function	Default	DMX values
20	Color Effects1	0	0–9 No function 10–19 Auto program 1 20–29 Auto program 2 30–39 Auto program 3 40–49 Auto program 4 50–59 Auto program 5 60–69 Auto program 6 70–79 Auto program 7 80–89 Auto program 8 90–99 Auto program 9 100–109 Auto program 10 110–119 Auto program 11 120–129 Auto program 12 130–139 Auto program 13 140–149 Auto program 14 150–159 Auto program 15 160–169 Auto program 16 170–179 Auto program 17 180–189 Auto program 18 190–199 Auto program 19 200–255 Auto program 20
21	Effect Speed	0	

27 ch

27 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–19 Closed 20–24 Open 25–63 Fast 64–64 Slow 65–69 Open 70–83 Fast 84–84 Slow 85–89 Open 1 90–103 Fast 104–104 Slow 105–109 Open 2 110–123 Fast 124–124 Slow 125–129 Open 3 130–143 Fast 144–144 Slow 145–149 Open 4 150–163 Fast 164–164 Slow 165–169 Open 5 170–183 Fast 184–184 Slow 185–189 Open 6 190–203 Fast 204–204 Slow 205–209 Open 7 210–223 Fast 224–224 Slow 225–229 Open 8 230–243 Fast 244–244 Slow 245–255 Open 9
2	Dimmer	0	0–254 Closed 255–255 Open

27 ch (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 No function 40–44 SILENT MODE (level 1)-70% fan speed 45–49 SILENT MODE (level 2)-40% fan speed 50–54 SILENT MODE (level 3)-20% fan speed 55–59 No function 60–64 Fan mode FULL 65–69 Fan mode REGULATED 70–74 Fan mode SILENT 75–89 No function 90–94 COLOR CALIB = ON 95–99 Manual calibration = ON 100–104 COLOR CALIB = OFF 105–109 No function 110–114 Normal dimming 115–119 No function 120–124 Smooth dimming 125–129 No function 130–134 600 Hz Refresh rate 135–139 1200Hz Refresh rate 140–144 2400Hz Refresh rate 145–149 4800Hz Refresh rate 150–154 No function 155–159 WDMX - ON 160–164 No Function 165–169 WDMX - OFF 170–174 No Function 175–179 WDMX - RESET 180–184 No Function 185–189 Led power(Normal mode) 190–194 Led power(Theater mode) 195–199 Led power(High mode) 200–239 No Function 240–244 DMX Manual calibration mode 245–249 No function 250–255 illuminate display
4	Color Macro1	0	0–9 No function 10–255 Color Macro
5	Red	255	
6	Green	0	
7	Blue	0	
8	White	0	
9	C TO	0	0–9 No function 10–255 CTO
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	

27 ch (continued)

Ch	Function	Default	DMX values
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Color Effects1	0	0–9 No function 10–19 Auto program 1 20–29 Auto program 2 30–39 Auto program 3 40–49 Auto program 4 50–59 Auto program 5 60–69 Auto program 6 70–79 Auto program 7 80–89 Auto program 8 90–99 Auto program 9 100–109 Auto program 10 110–119 Auto program 11 120–129 Auto program 12 130–139 Auto program 13 140–149 Auto program 14 150–159 Auto program 15 160–169 Auto program 16 170–179 Auto program 17 180–189 Auto program 18 190–199 Auto program 19 200–255 Auto program 20
27	Effect Speed	0	

30 ch

30 channels

Ch	Function	Default	DMX values

30 ch (continued)

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–19 Closed 20–24 Open 25–63 Fast 64–64 Slow 65–69 Open 70–83 Fast 84–84 Slow 85–89 Open 1 90–103 Fast 104–104 Slow 105–109 Open 2 110–123 Fast 124–124 Slow 125–129 Open 3 130–143 Fast 144–144 Slow 145–149 Open 4 150–163 Fast 164–164 Slow 165–169 Open 5 170–183 Fast 184–184 Slow 185–189 Open 6 190–203 Fast 204–204 Slow 205–209 Open 7 210–223 Fast 224–224 Slow 225–229 Open 8 230–243 Fast 244–244 Slow 245–255 Open 9
2	Dimmer	0	0–254 Closed 255–255 Open

30 ch (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 No function 40–44 SILENT MODE (level 1)-70% fan speed 45–49 SILENT MODE (level 2)-40% fan speed 50–54 SILENT MODE (level 3)-20% fan speed 55–59 No function 60–64 Fan mode FULL 65–69 Fan mode REGULATED 70–74 Fan mode SILENT 75–89 No function 90–94 COLOR CALIB = ON 95–99 Manual calibration = ON 100–104 COLOR CALIB = OFF 105–109 No function 110–114 Normal dimming 115–119 No function 120–124 Smooth dimming 125–129 No function 130–134 600 Hz Refresh rate 135–139 1200Hz Refresh rate 140–144 2400Hz Refresh rate 145–149 4800Hz Refresh rate 150–154 No function 155–159 WDMX - ON 160–164 No Function 165–169 WDMX - OFF 170–174 No Function 175–179 WDMX - RESET 180–184 No Function 185–189 Led power(Normal mode) 190–194 Led power(Theater mode) 195–199 Led power(High mode) 200–239 No Function 240–244 DMX Manual calibration mode 245–249 No function 250–255 illuminate display
4	Color Macro1	0	0–9 No function 10–255 Color Macro
5	Dimmer	0	0–254 Closed 255–255 Open
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	0	
10	Dimmer Curve	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	

30 ch (continued)

Ch	Function	Default	DMX values
22	Reserved 22	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	Color Effects1	0	0–9 No function 10–19 Auto program 1 20–29 Auto program 2 30–39 Auto program 3 40–49 Auto program 4 50–59 Auto program 5 60–69 Auto program 6 70–79 Auto program 7 80–89 Auto program 8 90–99 Auto program 9 100–109 Auto program 10 110–119 Auto program 11 120–129 Auto program 12 130–139 Auto program 13 140–149 Auto program 14 150–159 Auto program 15 160–169 Auto program 16 170–179 Auto program 17 180–189 Auto program 18 190–199 Auto program 19 200–255 Auto program 20
30	Effect Speed	0	