Black Light Design

ACME MANA PROFILE (XA 600 BSWF IP)



Manufacturer	**Black Light Design**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**22, 31, 40 channels**
Beam angle	**3.5-45°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**264 × 475 × 246 mm**
GDTF fixture type	**DF204485-F5D6-434D-8BA2-47…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Wash 22 DMX	22 ch
Framing 31 DMX	31 ch
Spot 31 DMX	31 ch
Standard 40 DMX	40 ch

Wash 22 DMX

22 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–66 Open 67–69 Open+Col1 70–72 Col 1 73–75 Col 1+Col 2 76–78 Col 2 79–81 Col 2+Col 3 82–84 Col 3 85–87 Col 3+Col 4 88–90 Col 4 91–93 Col 4+Col 5 94–96 Col 5 97–99 Col 5+CRI 100–102 CRI 103–105 CRI+CTB 106–108 CTB 109–111 CTB+Opent 112–127 Open 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Iris	0	
12	C RI	0	0–7 Close 8–255 Open
13	Frost1	0	
14	Frost2	0	
15	Zoom	128	
16	Zoom Fine	128	Fine byte of Zoom
17	Focus	230	
18	Focus Fine	101	Fine byte of Focus

Wash 22 DMX (continued)

Ch	Function	Default	DMX values
19	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
20	Dimmer	0	
21	Dimmer Fine	0	Fine byte of Dimmer
22	Function	0	0–29 No Feature 1 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 No Feature 2 100–109 Frequency Setting 110–119 Frequency Disable 120–122 NoFeature 3 123–123 900HZ 124–124 1000HK 125–125 1100HK 126–126 1200HK 127–127 1300HK 128–128 1400HK 129–129 1500HK 130–130 2500HK 131–131 4000HK 132–132 5000HK 133–133 6000HK 134–134 10K HZ 135–135 15K HZ 136–136 20K HZ 137–137 25K HZ 138–139 NoFeature 4 140–149 PT Reset 150–159 Eff Reset 160–199 NoFeature 5 200–209 All Reset 210–219 Dim Fast 220–229 Dim Smooth 230–233 NoFeature 6 234–235 Color Enable 236–237 Color Disable 238–239 CTB Enable 240–241 CTB Disable 242–255 NoFeature 7

Framing 31 DMX

31 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–66 Open 67–69 Open+Col1 70–72 Col 1 73–75 Col 1+Col 2 76–78 Col 2 79–81 Col 2+Col 3 82–84 Col 3 85–87 Col 3+Col 4 88–90 Col 4 91–93 Col 4+Col 5 94–96 Col 5 97–99 Col 5+CRI 100–102 CRI 103–105 CRI+CTB 106–108 CTB 109–111 CTB+Opent 112–127 Open 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Iris	0	
12	C RI	0	0–7 Close 8–255 Open
13	Frost1	0	
14	Frost2	0	
15	Zoom	128	
16	Zoom Fine	128	Fine byte of Zoom
17	Focus	230	
18	Focus Fine	101	Fine byte of Focus

Framing 31 DMX (continued)

Ch	Function	Default	DMX values
19	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
20	Dimmer	0	
21	Dimmer Fine	0	Fine byte of Dimmer
22	Shaper Rot	128	
23	Blade1B	0	
24	Blade1A	0	
25	Blade3A	0	
26	Blade3B	0	
27	Blade2A	0	
28	Blade2B	0	
29	Blade4A	0	
30	Blade4B	0	

Framing 31 DMX (continued)

Ch	Function	Default	DMX values
31	Function	0	0–9 No Feature 1 10–19 Blade Mode 1 20–29 Blade Mode 2 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 No Feature 2 100–109 Frequency Setting 110–119 Frequency Disable 120–122 NoFeature 3 123–123 900HZ 124–124 1000HK 125–125 1100HK 126–126 1200HK 127–127 1300HK 128–128 1400HK 129–129 1500HK 130–130 2500HK 131–131 4000HK 132–132 5000HK 133–133 6000HK 134–134 10K HZ 135–135 15K HZ 136–136 20K HZ 137–137 25K HZ 138–139 NoFeature 4 140–149 PT Reset 150–159 Eff Reset 160–199 NoFeature 5 200–209 All Reset 210–219 Dim Fast 220–229 Dim Smooth 230–233 NoFeature 6 234–235 Color Enable 236–237 Color Disable 238–239 CTB Enable 240–241 CTB Disable 242–255 NoFeature 7

Spot 31 DMX

31 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	

Spot 31 DMX (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–66 Open 67–69 Open+Col1 70–72 Col 1 73–75 Col 1+Col 2 76–78 Col 2 79–81 Col 2+Col 3 82–84 Col 3 85–87 Col 3+Col 4 88–90 Col 4 91–93 Col 4+Col 5 94–96 Col 5 97–99 Col 5+CRI 100–102 CRI 103–105 CRI+CTB 106–108 CTB 109–111 CTB+Opent 112–127 Open 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Gobo	0	0–7 Open (wheel slot 1) 8–14 Gobo 1 (wheel slot 2) 15–21 Gobo 2 (wheel slot 3) 22–28 Gobo 3 (wheel slot 4) 29–35 Gobo 4 (wheel slot 5) 36–42 Gobo 5 (wheel slot 6) 43–49 Gobo 6 (wheel slot 7) 50–56 Gobo 7 (wheel slot 8) 57–63 Gobo 8 (wheel slot 9) 64–71 Gobo 1 Shake (wheel slot 2) 72–79 Gobo 2 Shake (wheel slot 3) 80–87 Gobo 3 Shake (wheel slot 4) 88–95 Gobo 4 Shake (wheel slot 5) 96–103 Gobo 5 Shake (wheel slot 6) 104–111 Gobo 6 Shake (wheel slot 7) 112–119 Gobo 7 Shake (wheel slot 8) 120–127 Gobo 8 Shake (wheel slot 9) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
12	Gobo Rotation	0	0–0 Open 1–127 Gobo1Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Spot 31 DMX (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–7 Open (wheel slot 1) 8–13 Gobo 1 (wheel slot 2) 14–19 Gobo 2 (wheel slot 3) 20–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–43 Gobo 6 (wheel slot 7) 44–49 Gobo 7 (wheel slot 8) 50–55 Gobo 8 (wheel slot 9) 56–63 Gobo 9 (wheel slot 10) 64–70 Gobo1Shake (wheel slot 2) 71–77 Gobo2 Shake (wheel slot 3) 78–84 Gobo3 Shake (wheel slot 4) 85–91 Gobo4 Shake (wheel slot 5) 92–98 Gobo5 Shake (wheel slot 6) 99–105 Gobo6 Shake (wheel slot 7) 106–112 Gobo7 Shake (wheel slot 8) 113–119 Gobo8 Shake (wheel slot 9) 120–127 Gobo9 Shake (wheel slot 10) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
15	Animation Wheel1	0	0–7 OFF 8–68 >>> 69–128 >> 129–129 > 130–133 Stop 134–194 < 195–254 << 255–255 <<<
16	Iris	0	
17	Prism	0	0–7 Open (wheel slot 1) 8–255 Prism1 (wheel slot 2)
18	Prism Rotation	0	0–0 Open 1–127 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
19	Prism	0	0–7 Open (wheel slot 1) 8–255 Prism2 (wheel slot 2)
20	Prism Rotation	0	0–0 Open 1–127 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 max CW 255–255 min CW
21	C RI	0	0–7 Close 8–255 Open
22	Frost1	0	
23	Frost2	0	
24	Zoom	128	
25	Zoom Fine	128	Fine byte of Zoom
26	Focus	230	

Spot 31 DMX (continued)

Ch	Function	Default	DMX values
27	Focus Fine	101	Fine byte of Focus
28	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
29	Dimmer	0	
30	Dimmer Fine	0	Fine byte of Dimmer
31	Function	0	0–29 No Feature 1 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 No Feature 2 100–109 Frequency Setting 110–119 Frequency Disable 120–122 NoFeature 3 123–123 900HZ 124–124 1000HK 125–125 1100HK 126–126 1200HK 127–127 1300HK 128–128 1400HK 129–129 1500HK 130–130 2500HK 131–131 4000HK 132–132 5000HK 133–133 6000HK 134–134 10K HZ 135–135 15K HZ 136–136 20K HZ 137–137 25K HZ 138–139 NoFeature 4 140–149 PT Reset 150–159 Eff Reset 160–199 NoFeature 5 200–209 All Reset 210–219 Dim Fast 220–229 Dim Smooth 230–231 Gobo Enable 232–233 Gobo Disable 234–235 Color Enable 236–237 Color Disable 238–239 CTB Enable 240–241 CTB Disable 242–255 NoFeature 6

Standard 40 DMX

40 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–66 Open 67–69 Open+Col1 70–72 Col 1 73–75 Col 1+Col 2 76–78 Col 2 79–81 Col 2+Col 3 82–84 Col 3 85–87 Col 3+Col 4 88–90 Col 4 91–93 Col 4+Col 5 94–96 Col 5 97–99 Col 5+CRI 100–102 CRI 103–105 CRI+CTB 106–108 CTB 109–111 CTB+Opent 112–127 Open 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Gobo	0	0–7 Open (wheel slot 1) 8–14 Gobo 1 (wheel slot 2) 15–21 Gobo 2 (wheel slot 3) 22–28 Gobo 3 (wheel slot 4) 29–35 Gobo 4 (wheel slot 5) 36–42 Gobo 5 (wheel slot 6) 43–49 Gobo 6 (wheel slot 7) 50–56 Gobo 7 (wheel slot 8) 57–63 Gobo 8 (wheel slot 9) 64–71 Gobo 1 Shake (wheel slot 2) 72–79 Gobo 2 Shake (wheel slot 3) 80–87 Gobo 3 Shake (wheel slot 4) 88–95 Gobo 4 Shake (wheel slot 5) 96–103 Gobo 5 Shake (wheel slot 6) 104–111 Gobo 6 Shake (wheel slot 7) 112–119 Gobo 7 Shake (wheel slot 8) 120–127 Gobo 8 Shake (wheel slot 9) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW

Standard 40 DMX (continued)

Ch	Function	Default	DMX values
12	Gobo Rotation	0	0–0 Open 1–127 Gobo1Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
14	Gobo 2	0	0–7 Open (wheel slot 1) 8–13 Gobo 1 (wheel slot 2) 14–19 Gobo 2 (wheel slot 3) 20–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–43 Gobo 6 (wheel slot 7) 44–49 Gobo 7 (wheel slot 8) 50–55 Gobo 8 (wheel slot 9) 56–63 Gobo 9 (wheel slot 10) 64–70 Gobo1Shake (wheel slot 2) 71–77 Gobo2 Shake (wheel slot 3) 78–84 Gobo3 Shake (wheel slot 4) 85–91 Gobo4 Shake (wheel slot 5) 92–98 Gobo5 Shake (wheel slot 6) 99–105 Gobo6 Shake (wheel slot 7) 106–112 Gobo7 Shake (wheel slot 8) 113–119 Gobo8 Shake (wheel slot 9) 120–127 Gobo9 Shake (wheel slot 10) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
15	Animation Wheel1	0	0–7 OFF 8–68 >>> 69–128 >> 129–129 > 130–133 Stop 134–194 < 195–254 << 255–255 <<<
16	Iris	0	
17	Prism	0	0–7 Open (wheel slot 1) 8–255 Prism1 (wheel slot 2)
18	Prism Rotation	0	0–0 Open 1–127 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
19	Prism	0	0–7 Open (wheel slot 1) 8–255 Prism2 (wheel slot 2)
20	Prism Rotation	0	0–0 Open 1–127 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 max CW 255–255 min CW

Standard 40 DMX (continued)

Ch	Function	Default	DMX values
21	C RI	0	0–7 Close 8–255 Open
22	Frost1	0	
23	Frost2	0	
24	Zoom	128	
25	Zoom Fine	128	Fine byte of Zoom
26	Focus	230	
27	Focus Fine	101	Fine byte of Focus
28	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
29	Dimmer	0	
30	Dimmer Fine	0	Fine byte of Dimmer
31	Shaper Rot	128	
32	Blade1B	0	
33	Blade1A	0	
34	Blade3A	0	
35	Blade3B	0	
36	Blade2A	0	
37	Blade2B	0	
38	Blade4A	0	
39	Blade4B	0	

Standard 40 DMX (continued)

Ch	Function	Default	DMX values
40	Function	0	0–9 No Feature 1 10–19 Blade Mode 1 20–29 Blade Mode 2 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 No Feature 2 100–109 Frequency Setting 110–119 Frequency Disable 120–122 NoFeature 3 123–123 900HZ 124–124 1000HK 125–125 1100HK 126–126 1200HK 127–127 1300HK 128–128 1400HK 129–129 1500HK 130–130 2500HK 131–131 4000HK 132–132 5000HK 133–133 6000HK 134–134 10K HZ 135–135 15K HZ 136–136 20K HZ 137–137 25K HZ 138–139 NoFeature 4 140–149 PT Reset 150–159 Eff Reset 160–199 NoFeature 5 200–209 All Reset 210–219 Dim Fast 220–229 Dim Smooth 230–231 Gobo Enable 232–233 Gobo Disable 234–235 Color Enable 236–237 Color Disable 238–239 CTB Enable 240–241 CTB Disable 242–255 NoFeature 6