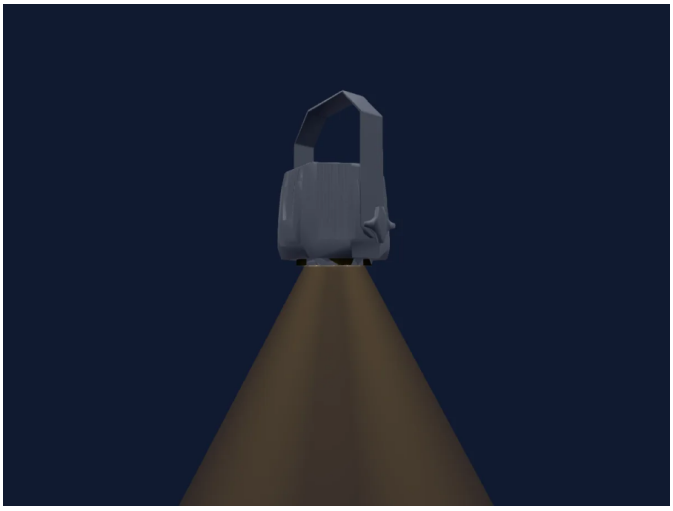
BeamZ Pro

Neutron Dot WW IP65



Manufacturer	**BeamZ Pro**
Type	**Blinder**
DMX modes	**7**
DMX footprint	**1, 3, 4, 8, 16, 64 channels**
Beam angle	**23-90°**
Pan range	**300°**
Tilt range	**300°**
Heads / cells	**17**
Size (W × H × D)	**175 × 177 × 38 mm**
GDTF fixture type	**9BDFBF0E-DC9E-4527-A60C-49…**

Controls

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

Safety-relevant functions

Service functions · Built-in effect programmes

DMX modes

1 CH	1 ch
3 CH	3 ch
4 CH	4 ch
8 Ch	8 ch
16 CH	16 ch
64 CH	64 ch
64 CH + VIRTUAL DIMMER	64 ch

1 CH

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	

3 CH

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Strobe Duration	0	
3	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–250 Strobe slow/fast 251–255 Strobe open

4 CH

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Strobe Duration	0	
3	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–250 Strobe slow/fast 251–255 Strobe open
4	Effect	0	0–10 No effect 11–60 Ramp up 61–110 Ramp down 111–160 Ramp up-Ramp down 161–255 No effect

8 Ch

8 channels

Ch	Function	Default	DMX values
1	Dimmer	255	
2	Dimmer Fine	255	Fine byte of Dimmer
3	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–20 Strobe Ramp · Ramp up/Ramp down 1–7.43 Hz 21–32 Ramp up/down random 33–45 RampSnap strobe · Ramp up slow/fast 1–8.83 Hz 46–56 Ramp up random 57–68 SnapRamp strobe · Ramp down slow/fast 69–79 Ramp down random 80–102 Random strobe 103–127 Strobe break 128–188 Strobe Rate Min 189–189 Strobe Rate Medium 190–249 Strobe Rate Medium>Max 250–250 Strobe Rate Max 251–255 Strobe open
4	Strobe Duration	0	
5	Red	0	
6	Green	0	
7	Blue	0	

8 Ch (continued)

Ch	Function	Default	DMX values
8	Control1	0	0–5 No function 6–15 Display on 16–25 Display off 26–35 Spare 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 Spare 86–96 Dimmer response LED 97–105 Dimmer Response 106–115 Spare 116–125 Led 800 126–135 Led 1200 136–145 Led 2000 146–155 Led 3600 156–165 Led 6000 166–175 Led 15khz 176–255 No function

16 CH

16 channels

Ch	Function	Default	DMX values
1	Dimmer	255	
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–20 Strobe Ramp · Ramp up/Ramp down 1–7.43 Hz 21–32 Ramp up/down random 33–45 RampSnap strobe · Ramp up slow/fast 1–8.83 Hz 46–56 Ramp up random 57–68 SnapRamp strobe · Ramp down slow/fast 69–79 Ramp down random 80–102 Random strobe 103–127 Strobe break 128–188 Strobe Rate Min 189–189 Strobe Rate Medium 190–249 Strobe Rate Medium>Max 250–250 Strobe Rate Max 251–255 Strobe open
5	Effect	0	0–10 No effect 11–60 Ramp up 61–110 Ramp down 111–160 Ramp up/Ramp down 161–255 No effect

16 CH (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–5 No function 6–15 Display on 16–25 Display off 26–35 Spare 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 Spare 86–96 Dimmer response LED 97–105 Dimmer Response 106–115 Spare 116–125 Led 800 126–135 Led 1200 136–145 Led 2000 146–155 Led 3600 156–165 Led 6000 166–175 Led 15khz 176–255 No function
7	Dimmer	0	
8	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–22 Strobe Ramp · Ramp up/Ramp down 23–32 Ramp up/down random 33–45 RampSnap strobe · Ramp up slow/fast 46–56 Ramp up random 57–68 SnapRamp strobe · Ramp down slow/fast 69–79 Ramp down random 80–102 Random strobe 103–127 Strobe break 128–188 Strobe Rate Min 189–189 Strobe Rate Medium 190–249 Strobe Rate Medium>Max 250–250 Strobe Rate Max 251–255 Strobe open
9	C TC	0	0–10 No function 11–100 2000 to 11000K 101–255 11000K

16 CH (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–15 No function (wheel slot 1) 16–21 Burlywood (wheel slot 1) 22–27 Gold (wheel slot 2) 28–33 Orange (wheel slot 3) 34–39 Tomato (wheel slot 4) 40–45 Orange/red (wheel slot 5) 46–51 Hot pink (wheel slot 6) 52–57 Orchid (wheel slot 7) 58–63 Purple (wheel slot 8) 64–69 Orchid (wheel slot 9) 70–75 Plum (wheel slot 10) 76–81 Dark orchid (wheel slot 11) 82–87 Purple (wheel slot 12) 88–93 Violet red (wheel slot 13) 94–99 Pale violet red (wheel slot 14) 100–105 Deep pink1 (wheel slot 15) 106–111 Deep pink3 (wheel slot 16) 112–117 Tomato2 (wheel slot 17) 118–123 Brown1 (wheel slot 18) 124–129 Chartreuse (wheel slot 19) 130–135 Med spring green (wheel slot 20) 136–141 Pale green (wheel slot 21) 142–147 Aquamarine (wheel slot 22) 148–153 Cyan (wheel slot 23) 154–159 Sky blue (wheel slot 24) 160–165 Slate blue (wheel slot 25) 166–171 Chartreusel (wheel slot 26) 172–177 Spring green1 (wheel slot 27) 178–183 Sea green (wheel slot 28) 184–189 Dark slate gray (wheel slot 29) 190–195 Pale turquoise1 (wheel slot 30) 196–201 Pale turquoise4 (wheel slot 31) 202–207 Cyan1 (wheel slot 32) 208–213 Turquoise (wheel slot 33) 214–219 Midnight blue (wheel slot 34) 220–225 Sea shell (wheel slot 35) 226–231 Orange red (wheel slot 36) 232–237 Deep pink (wheel slot 37) 238–243 Magenta (wheel slot 38) 244–249 Medium purple (wheel slot 39) 250–254 Misty rose (wheel slot 40) 255–255 Maroon (wheel slot 41)
11	Red	0	
12	Green	0	
13	Blue	0	
14	Dimmer	0	

16 CH (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–15 No function 16–23 Program 1 24–31 Program 2 32–39 Program 3 40–47 Program 4 48–55 Program 5 56–63 Program 6 64–71 Program 7 72–79 Program 8 80–87 Program 9 88–95 Program 10 96–103 Program 11 104–111 Program 12 112–119 Program 13 120–127 Program 14 128–135 Program 15 136–143 Program 16 144–151 Program 17 152–159 Program 18 160–167 Program 19 168–175 Program 20 176–183 Program 21 184–191 Program 22 192–199 Program 23 200–213 Program 24 214–215 Program 25 216–223 Program 26 224–231 Program 27 232–239 Program 28 240–247 Program 29 248–255 Program 30
16	Effect Speed	0	

64 CH

64 channels

Ch	Function	Default	DMX values
1	Dimmer	255	
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–20 Strobe Ramp · Ramp up/Ramp down 1–7.43 Hz 21–32 Ramp up/down random 33–45 RampSnap strobe · Ramp up slow/fast 1–8.83 Hz 46–56 Ramp up random 57–68 SnapRamp strobe · Ramp down slow/fast 69–79 Ramp down random 80–102 Random strobe 103–127 Strobe break 128–188 Strobe Rate Min 189–189 Strobe Rate Medium 190–249 Strobe Rate Medium>Max 250–250 Strobe Rate Max 251–255 Strobe open
5	Effect	0	0–10 No effect 11–60 Ramp up 61–110 Ramp down 111–160 Ramp up/Ramp down 161–255 No effect

64 CH (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–5 No function 6–15 Display on 16–25 Display off 26–35 Spare 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 Spare 86–96 Dimmer response LED 97–105 Dimmer Response 106–115 Spare 116–125 Led 800 126–135 Led 1200 136–145 Led 2000 146–155 Led 3600 156–165 Led 6000 166–175 Led 15khz 176–255 No function
7	Dimmer	0	
8	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–22 Strobe Ramp · Ramp up/Ramp down 23–32 Ramp up/down random 33–45 RampSnap strobe · Ramp up slow/fast 46–56 Ramp up random 57–68 SnapRamp strobe · Ramp down slow/fast 69–79 Ramp down random 80–102 Random strobe 103–127 Strobe break 128–188 Strobe Rate Min 189–189 Strobe Rate Medium 190–249 Strobe Rate Medium>Max 250–250 Strobe Rate Max 251–255 Strobe open
9	C TC	0	0–10 No function 11–100 2000 to 11000K 101–255 11000K

64 CH (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–15 No function (wheel slot 1) 16–21 Burlywood (wheel slot 1) 22–27 Gold (wheel slot 2) 28–33 Orange (wheel slot 3) 34–39 Tomato (wheel slot 4) 40–45 Orange/red (wheel slot 5) 46–51 Hot pink (wheel slot 6) 52–57 Orchid (wheel slot 7) 58–63 Purple (wheel slot 8) 64–69 Orchid (wheel slot 9) 70–75 Plum (wheel slot 10) 76–81 Dark orchid (wheel slot 11) 82–87 Purple (wheel slot 12) 88–93 Violet red (wheel slot 13) 94–99 Pale violet red (wheel slot 14) 100–105 Deep pink1 (wheel slot 15) 106–111 Deep pink3 (wheel slot 16) 112–117 Tomato2 (wheel slot 17) 118–123 Brown1 (wheel slot 18) 124–129 Chartreuse (wheel slot 19) 130–135 Med spring green (wheel slot 20) 136–141 Pale green (wheel slot 21) 142–147 Aquamarine (wheel slot 22) 148–153 Cyan (wheel slot 23) 154–159 Sky blue (wheel slot 24) 160–165 Slate blue (wheel slot 25) 166–171 Chartreusel (wheel slot 26) 172–177 Spring green1 (wheel slot 27) 178–183 Sea green (wheel slot 28) 184–189 Dark slate gray (wheel slot 29) 190–195 Pale turquoise1 (wheel slot 30) 196–201 Pale turquoise4 (wheel slot 31) 202–207 Cyan1 (wheel slot 32) 208–213 Turquoise (wheel slot 33) 214–219 Midnight blue (wheel slot 34) 220–225 Sea shell (wheel slot 35) 226–231 Orange red (wheel slot 36) 232–237 Deep pink (wheel slot 37) 238–243 Magenta (wheel slot 38) 244–249 Medium purple (wheel slot 39) 250–254 Misty rose (wheel slot 40) 255–255 Maroon (wheel slot 41)
11	Red	0	
12	Green	0	
13	Blue	0	
14	Dimmer	0	

64 CH (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–15 No function 16–23 Program 1 24–31 Program 2 32–39 Program 3 40–47 Program 4 48–55 Program 5 56–63 Program 6 64–71 Program 7 72–79 Program 8 80–87 Program 9 88–95 Program 10 96–103 Program 11 104–111 Program 12 112–119 Program 13 120–127 Program 14 128–135 Program 15 136–143 Program 16 144–151 Program 17 152–159 Program 18 160–167 Program 19 168–175 Program 20 176–183 Program 21 184–191 Program 22 192–199 Program 23 200–213 Program 24 214–215 Program 25 216–223 Program 26 224–231 Program 27 232–239 Program 28 240–247 Program 29 248–255 Program 30
16	Effect Speed	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	Red	255	
21	Green	255	
22	Blue	255	
23	Red	255	
24	Green	255	
25	Blue	255	
26	Red	255	
27	Green	255	
28	Blue	255	
29	Red	255	
30	Green	255	
31	Blue	255	
32	Red	255	
33	Green	255	
34	Blue	255	
35	Red	255	
36	Green	255	
37	Blue	255	
38	Red	255	

64 CH (continued)

Ch	Function	Default	DMX values
39	Green	255	
40	Blue	255	
41	Red	255	
42	Green	255	
43	Blue	255	
44	Red	255	
45	Green	255	
46	Blue	255	
47	Red	255	
48	Green	255	
49	Blue	255	
50	Red	255	
51	Green	255	
52	Blue	255	
53	Red	255	
54	Green	255	
55	Blue	255	
56	Red	255	
57	Green	255	
58	Blue	255	
59	Red	255	
60	Green	255	
61	Blue	255	
62	Red	255	
63	Green	255	
64	Blue	255	

64 CH + VIRTUAL DIMMER

64 channels

Ch	Function	Default	DMX values
1	Dimmer	255	
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–20 Strobe Ramp · Ramp up/Ramp down 1–7.43 Hz 21–32 Ramp up/down random 33–45 RampSnap strobe · Ramp up slow/fast 1–8.83 Hz 46–56 Ramp up random 57–68 SnapRamp strobe · Ramp down slow/fast 69–79 Ramp down random 80–102 Random strobe 103–127 Strobe break 128–188 Strobe Rate Min 189–189 Strobe Rate Medium 190–249 Strobe Rate Medium>Max 250–250 Strobe Rate Max 251–255 Strobe open

64 CH + VIRTUAL DIMMER (continued)

Ch	Function	Default	DMX values
5	Effect	0	0–10 No effect 11–60 Ramp up 61–110 Ramp down 111–160 Ramp up/Ramp down 161–255 No effect
6	Control1	0	0–5 No function 6–15 Display on 16–25 Display off 26–35 Spare 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 Spare 86–96 Dimmer response LED 97–105 Dimmer Response 106–115 Spare 116–125 Led 800 126–135 Led 1200 136–145 Led 2000 146–155 Led 3600 156–165 Led 6000 166–175 Led 15khz 176–255 No function
7	Dimmer	0	
8	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe close 11–22 Strobe Ramp · Ramp up/Ramp down 23–32 Ramp up/down random 33–45 RampSnap strobe · Ramp up slow/fast 46–56 Ramp up random 57–68 SnapRamp strobe · Ramp down slow/fast 69–79 Ramp down random 80–102 Random strobe 103–127 Strobe break 128–188 Strobe Rate Min 189–189 Strobe Rate Medium 190–249 Strobe Rate Medium>Max 250–250 Strobe Rate Max 251–255 Strobe open
9	C TC	0	0–10 No function 11–100 2000 to 11000K 101–255 11000K

64 CH + VIRTUAL DIMMER (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–15 No function (wheel slot 1) 16–21 Burlywood (wheel slot 1) 22–27 Gold (wheel slot 2) 28–33 Orange (wheel slot 3) 34–39 Tomato (wheel slot 4) 40–45 Orange/red (wheel slot 5) 46–51 Hot pink (wheel slot 6) 52–57 Orchid (wheel slot 7) 58–63 Purple (wheel slot 8) 64–69 Orchid (wheel slot 9) 70–75 Plum (wheel slot 10) 76–81 Dark orchid (wheel slot 11) 82–87 Purple (wheel slot 12) 88–93 Violet red (wheel slot 13) 94–99 Pale violet red (wheel slot 14) 100–105 Deep pink1 (wheel slot 15) 106–111 Deep pink3 (wheel slot 16) 112–117 Tomato2 (wheel slot 17) 118–123 Brown1 (wheel slot 18) 124–129 Chartreuse (wheel slot 19) 130–135 Med spring green (wheel slot 20) 136–141 Pale green (wheel slot 21) 142–147 Aquamarine (wheel slot 22) 148–153 Cyan (wheel slot 23) 154–159 Sky blue (wheel slot 24) 160–165 Slate blue (wheel slot 25) 166–171 Chartreusel (wheel slot 26) 172–177 Spring green1 (wheel slot 27) 178–183 Sea green (wheel slot 28) 184–189 Dark slate gray (wheel slot 29) 190–195 Pale turquoise1 (wheel slot 30) 196–201 Pale turquoise4 (wheel slot 31) 202–207 Cyan1 (wheel slot 32) 208–213 Turquoise (wheel slot 33) 214–219 Midnight blue (wheel slot 34) 220–225 Sea shell (wheel slot 35) 226–231 Orange red (wheel slot 36) 232–237 Deep pink (wheel slot 37) 238–243 Magenta (wheel slot 38) 244–249 Medium purple (wheel slot 39) 250–254 Misty rose (wheel slot 40) 255–255 Maroon (wheel slot 41)
11	Red	0	
12	Green	0	
13	Blue	0	
14	Dimmer	0	

64 CH + VIRTUAL DIMMER (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–15 No function 16–23 Program 1 24–31 Program 2 32–39 Program 3 40–47 Program 4 48–55 Program 5 56–63 Program 6 64–71 Program 7 72–79 Program 8 80–87 Program 9 88–95 Program 10 96–103 Program 11 104–111 Program 12 112–119 Program 13 120–127 Program 14 128–135 Program 15 136–143 Program 16 144–151 Program 17 152–159 Program 18 160–167 Program 19 168–175 Program 20 176–183 Program 21 184–191 Program 22 192–199 Program 23 200–213 Program 24 214–215 Program 25 216–223 Program 26 224–231 Program 27 232–239 Program 28 240–247 Program 29 248–255 Program 30
16	Effect Speed	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	Red	255	
21	Green	255	
22	Blue	255	
23	Red	255	
24	Green	255	
25	Blue	255	
26	Red	255	
27	Green	255	
28	Blue	255	
29	Red	255	
30	Green	255	
31	Blue	255	
32	Red	255	
33	Green	255	
34	Blue	255	
35	Red	255	
36	Green	255	
37	Blue	255	
38	Red	255	

64 CH + VIRTUAL DIMMER (continued)

Ch	Function	Default	DMX values
39	Green	255	
40	Blue	255	
41	Red	255	
42	Green	255	
43	Blue	255	
44	Red	255	
45	Green	255	
46	Blue	255	
47	Red	255	
48	Green	255	
49	Blue	255	
50	Red	255	
51	Green	255	
52	Blue	255	
53	Red	255	
54	Green	255	
55	Blue	255	
56	Red	255	
57	Green	255	
58	Blue	255	
59	Red	255	
60	Green	255	
61	Blue	255	
62	Red	255	
63	Green	255	
64	Blue	255	