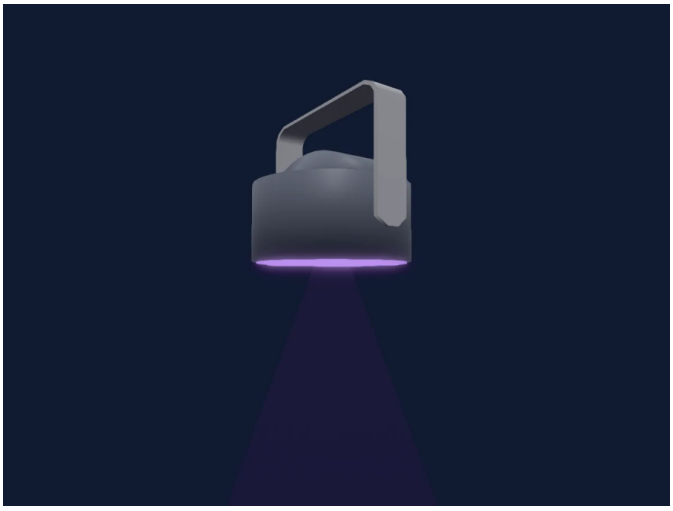
Stage4

broPAR 28x12 XWAU



Manufacturer	**Stage4**
Type	**Effect light**
DMX modes	**6**
DMX footprint	**17, 18, 24, 41, 42, 48 channels**
Beam angle	**15-67°**
Size (W × H × D)	**240 × 170 × 45 mm**
GDTF fixture type	**F74F13C1-2343-4B6F-B2CB-DA…**

Controls

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

Safety-relevant functions

Strobe · Built-in effect programmes

DMX modes

17 DMX	17 ch
18 DMX	18 ch
24 DMX	24 ch
41 DMX Pix	41 ch
42 DMX Pix	42 ch
48 DMX Pix	48 ch

17 DMX

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	50	0–31 Close 32–63 Open 64–94 Strobe Min 95–95 Strob Max 96–127 Open 128–142 Pulse Open Min 143–143 Pulse Open Max 144–158 Pulse Close Max 159–159 Pulse Close Min 160–191 Open 192–222 Random Min 223–223 Random Max 224–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	255	
7	Color Add RY	255	
8	UV	0	
9	Zoom	0	
10	Color Wheel	0	0–15 No Func (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Blue (wheel slot 4) 64–79 White (wheel slot 5) 80–95 Yellow (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Light Red (wheel slot 8) 128–143 Cyan (wheel slot 9) 144–159 Light Blue (wheel slot 10) 160–175 Light Green (wheel slot 11) 176–191 RGB (wheel slot 12) 192–207 RGBW (wheel slot 13) 208–212 2700K (wheel slot 14) 213–217 3200K (wheel slot 15) 218–222 3500K (wheel slot 16) 223–227 5000K (wheel slot 17) 228–232 5500K (wheel slot 18) 233–237 6000K (wheel slot 19) 238–242 6500K (wheel slot 20) 243–247 7000K (wheel slot 21) 248–255 8000K (wheel slot 22)
11	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K

17 DMX (continued)

Ch	Function	Default	DMX values
12	Color Macro1	0	0–15 No Func 16–31 Macro 1 32–47 Macro 2 48–63 Macro 3 64–79 Macro 4 80–95 Macro 5 96–111 Macro 6 112–127 Macro 7 128–143 Macro 8 144–159 Sound 1 160–175 Sound 2 176–191 Sound 3 192–207 Sound 4 208–223 Sound 5 224–239 Sound 6 240–255 Sound 7
13	Color Macro1Rate	0	0–19 Min 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–254 No Func 255–255 Max
14	Effect	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
15	Effect Speed	0	
16	L EDFrequency	0	0–15 No Func 16–31 900Hz 32–47 1000Hz 48–63 1100Hz 64–79 1200Hz 80–95 1300Hz 96–111 1400Hz 112–127 1500Hz 128–143 2500Hz 144–159 4000Hz 160–175 5000Hz 176–191 10KHz 192–207 15KHz 208–223 20KHz 224–239 25KHz 240–255 Default
17	Dimmer Curve	0	0–19 No Func 20–39 Linear 40–59 S-Curve 60–79 Square 80–99 Inv Square 100–255 No Func

18 DMX

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Close 32–63 Open 64–94 Strobe Min 95–95 Strob Max 96–127 Open 128–142 Pulse Open Min 143–143 Pulse Open Max 144–158 Pulse Close Max 159–159 Pulse Close Min 160–191 Open 192–222 Random Min 223–223 Random Max 224–255 Open
4	Red	255	
5	Green	255	
6	Blue	255	
7	White	255	
8	Color Add RY	255	
9	UV	0	
10	Zoom	0	
11	Color Wheel	0	0–15 No Func (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Blue (wheel slot 4) 64–79 White (wheel slot 5) 80–95 Yellow (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Light Red (wheel slot 8) 128–143 Cyan (wheel slot 9) 144–159 Light Blue (wheel slot 10) 160–175 Light Green (wheel slot 11) 176–191 RGB (wheel slot 12) 192–207 RGBW (wheel slot 13) 208–212 2700K (wheel slot 14) 213–217 3200K (wheel slot 15) 218–222 3500K (wheel slot 16) 223–227 5000K (wheel slot 17) 228–232 5500K (wheel slot 18) 233–237 6000K (wheel slot 19) 238–242 6500K (wheel slot 20) 243–247 7000K (wheel slot 21) 248–255 8000K (wheel slot 22)
12	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K

18 DMX (continued)

Ch	Function	Default	DMX values
13	Color Macro1	0	0–15 No Func 16–31 Macro 1 32–47 Macro 2 48–63 Macro 3 64–79 Macro 4 80–95 Macro 5 96–111 Macro 6 112–127 Macro 7 128–143 Macro 8 144–159 Sound 1 160–175 Sound 2 176–191 Sound 3 192–207 Sound 4 208–223 Sound 5 224–239 Sound 6 240–255 Sound 7
14	Color Macro1Rate	0	0–19 Min 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–254 No Func 255–255 Max
15	Effect	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
16	Effect Speed	0	
17	L EDFrequency	0	0–15 No Func 16–31 900Hz 32–47 1000Hz 48–63 1100Hz 64–79 1200Hz 80–95 1300Hz 96–111 1400Hz 112–127 1500Hz 128–143 2500Hz 144–159 4000Hz 160–175 5000Hz 176–191 10KHz 192–207 15KHz 208–223 20KHz 224–239 25KHz 240–255 Default
18	Dimmer Curve	0	0–19 No Func 20–39 Linear 40–59 S-Curve 60–79 Square 80–99 Inv Square 100–255 No Func

24 DMX

24 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Close 32–63 Open 64–94 Strobe Min 95–95 Strob Max 96–127 Open 128–142 Pulse Open Min 143–143 Pulse Open Max 144–158 Pulse Close Max 159–159 Pulse Close Min 160–191 Open 192–222 Random Min 223–223 Random Max 224–255 Open
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	White	255	
11	White Fine	255	Fine byte of White
12	Color Add RY	255	
13	Color Add RY Fine	255	Fine byte of Color Add RY
14	UV	0	
15	UV Fine	0	Fine byte of UV
16	Zoom	0	
17	Color Wheel	0	0–15 No Func (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Blue (wheel slot 4) 64–79 White (wheel slot 5) 80–95 Yellow (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Light Red (wheel slot 8) 128–143 Cyan (wheel slot 9) 144–159 Light Blue (wheel slot 10) 160–175 Light Green (wheel slot 11) 176–191 RGB (wheel slot 12) 192–207 RGBW (wheel slot 13) 208–212 2700K (wheel slot 14) 213–217 3200K (wheel slot 15) 218–222 3500K (wheel slot 16) 223–227 5000K (wheel slot 17) 228–232 5500K (wheel slot 18) 233–237 6000K (wheel slot 19) 238–242 6500K (wheel slot 20) 243–247 7000K (wheel slot 21) 248–255 8000K (wheel slot 22)
18	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K

24 DMX (continued)

Ch	Function	Default	DMX values
19	Color Macro1	0	0–15 No Func 16–31 Macro 1 32–47 Macro 2 48–63 Macro 3 64–79 Macro 4 80–95 Macro 5 96–111 Macro 6 112–127 Macro 7 128–143 Macro 8 144–159 Sound 1 160–175 Sound 2 176–191 Sound 3 192–207 Sound 4 208–223 Sound 5 224–239 Sound 6 240–255 Sound 7
20	Color Macro1Rate	0	0–19 Min 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–254 No Func 255–255 Max
21	Effect	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
22	Effect Speed	0	
23	L EDFrequency	0	0–15 No Func 16–31 900Hz 32–47 1000Hz 48–63 1100Hz 64–79 1200Hz 80–95 1300Hz 96–111 1400Hz 112–127 1500Hz 128–143 2500Hz 144–159 4000Hz 160–175 5000Hz 176–191 10KHz 192–207 15KHz 208–223 20KHz 224–239 25KHz 240–255 Default
24	Dimmer Curve	0	0–19 No Func 20–39 Linear 40–59 S-Curve 60–79 Square 80–99 Inv Square 100–255 No Func

41 DMX Pix

41 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	50	0–31 Close 32–63 Open 64–94 Strobe Min 95–95 Strob Max 96–127 Open 128–142 Pulse Open Min 143–143 Pulse Open Max 144–158 Pulse Close Max 159–159 Pulse Close Min 160–191 Open 192–222 Random Min 223–223 Random Max 224–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	255	
7	Color Add RY	255	
8	UV	0	
9	Zoom	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	
20	Reserved 20	0	
21	Reserved 21	0	
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	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	

41 DMX Pix (continued)

Ch	Function	Default	DMX values
34	Color Wheel	0	0–15 No Func (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Blue (wheel slot 4) 64–79 White (wheel slot 5) 80–95 Yellow (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Light Red (wheel slot 8) 128–143 Cyan (wheel slot 9) 144–159 Light Blue (wheel slot 10) 160–175 Light Green (wheel slot 11) 176–191 RGB (wheel slot 12) 192–207 RGBW (wheel slot 13) 208–212 2700K (wheel slot 14) 213–217 3200K (wheel slot 15) 218–222 3500K (wheel slot 16) 223–227 5000K (wheel slot 17) 228–232 5500K (wheel slot 18) 233–237 6000K (wheel slot 19) 238–242 6500K (wheel slot 20) 243–247 7000K (wheel slot 21) 248–255 8000K (wheel slot 22)
35	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
36	Color Macro1	0	0–15 No Func 16–31 Macro 1 32–47 Macro 2 48–63 Macro 3 64–79 Macro 4 80–95 Macro 5 96–111 Macro 6 112–127 Macro 7 128–143 Macro 8 144–159 Sound 1 160–175 Sound 2 176–191 Sound 3 192–207 Sound 4 208–223 Sound 5 224–239 Sound 6 240–255 Sound 7
37	Color Macro1Rate	0	0–19 Min 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–254 No Func 255–255 Max

41 DMX Pix (continued)

Ch	Function	Default	DMX values
38	Effect	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
39	Effect Speed	0	
40	L EDFrequency	0	0–15 No Func 16–31 900Hz 32–47 1000Hz 48–63 1100Hz 64–79 1200Hz 80–95 1300Hz 96–111 1400Hz 112–127 1500Hz 128–143 2500Hz 144–159 4000Hz 160–175 5000Hz 176–191 10KHz 192–207 15KHz 208–223 20KHz 224–239 25KHz 240–255 Default
41	Dimmer Curve	0	0–19 No Func 20–39 Linear 40–59 S-Curve 60–79 Square 80–99 Inv Square 100–255 No Func

42 DMX Pix

42 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Close 32–63 Open 64–94 Strobe Min 95–95 Strob Max 96–127 Open 128–142 Pulse Open Min 143–143 Pulse Open Max 144–158 Pulse Close Max 159–159 Pulse Close Min 160–191 Open 192–222 Random Min 223–223 Random Max 224–255 Open

42 DMX Pix (continued)

Ch	Function	Default	DMX values
4	Red	255	
5	Green	255	
6	Blue	255	
7	White	255	
8	Color Add RY	255	
9	UV	0	
10	Zoom	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	
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	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	

42 DMX Pix (continued)

Ch	Function	Default	DMX values
35	Color Wheel	0	0–15 No Func (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Blue (wheel slot 4) 64–79 White (wheel slot 5) 80–95 Yellow (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Light Red (wheel slot 8) 128–143 Cyan (wheel slot 9) 144–159 Light Blue (wheel slot 10) 160–175 Light Green (wheel slot 11) 176–191 RGB (wheel slot 12) 192–207 RGBW (wheel slot 13) 208–212 2700K (wheel slot 14) 213–217 3200K (wheel slot 15) 218–222 3500K (wheel slot 16) 223–227 5000K (wheel slot 17) 228–232 5500K (wheel slot 18) 233–237 6000K (wheel slot 19) 238–242 6500K (wheel slot 20) 243–247 7000K (wheel slot 21) 248–255 8000K (wheel slot 22)
36	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
37	Color Macro1	0	0–15 No Func 16–31 Macro 1 32–47 Macro 2 48–63 Macro 3 64–79 Macro 4 80–95 Macro 5 96–111 Macro 6 112–127 Macro 7 128–143 Macro 8 144–159 Sound 1 160–175 Sound 2 176–191 Sound 3 192–207 Sound 4 208–223 Sound 5 224–239 Sound 6 240–255 Sound 7
38	Color Macro1Rate	0	0–19 Min 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–254 No Func 255–255 Max

42 DMX Pix (continued)

Ch	Function	Default	DMX values
39	Effect	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
40	Effect Speed	0	
41	L EDFrequency	0	0–15 No Func 16–31 900Hz 32–47 1000Hz 48–63 1100Hz 64–79 1200Hz 80–95 1300Hz 96–111 1400Hz 112–127 1500Hz 128–143 2500Hz 144–159 4000Hz 160–175 5000Hz 176–191 10KHz 192–207 15KHz 208–223 20KHz 224–239 25KHz 240–255 Default
42	Dimmer Curve	0	0–19 No Func 20–39 Linear 40–59 S-Curve 60–79 Square 80–99 Inv Square 100–255 No Func

48 DMX Pix

48 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Close 32–63 Open 64–94 Strobe Min 95–95 Strob Max 96–127 Open 128–142 Pulse Open Min 143–143 Pulse Open Max 144–158 Pulse Close Max 159–159 Pulse Close Min 160–191 Open 192–222 Random Min 223–223 Random Max 224–255 Open

48 DMX Pix (continued)

Ch	Function	Default	DMX values
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	White	255	
11	White Fine	255	Fine byte of White
12	Color Add RY	255	
13	Color Add RY Fine	255	Fine byte of Color Add RY
14	UV	0	
15	UV Fine	0	Fine byte of UV
16	Zoom	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
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	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	

48 DMX Pix (continued)

Ch	Function	Default	DMX values
41	Color Wheel	0	0–15 No Func (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Blue (wheel slot 4) 64–79 White (wheel slot 5) 80–95 Yellow (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Light Red (wheel slot 8) 128–143 Cyan (wheel slot 9) 144–159 Light Blue (wheel slot 10) 160–175 Light Green (wheel slot 11) 176–191 RGB (wheel slot 12) 192–207 RGBW (wheel slot 13) 208–212 2700K (wheel slot 14) 213–217 3200K (wheel slot 15) 218–222 3500K (wheel slot 16) 223–227 5000K (wheel slot 17) 228–232 5500K (wheel slot 18) 233–237 6000K (wheel slot 19) 238–242 6500K (wheel slot 20) 243–247 7000K (wheel slot 21) 248–255 8000K (wheel slot 22)
42	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
43	Color Macro1	0	0–15 No Func 16–31 Macro 1 32–47 Macro 2 48–63 Macro 3 64–79 Macro 4 80–95 Macro 5 96–111 Macro 6 112–127 Macro 7 128–143 Macro 8 144–159 Sound 1 160–175 Sound 2 176–191 Sound 3 192–207 Sound 4 208–223 Sound 5 224–239 Sound 6 240–255 Sound 7
44	Color Macro1Rate	0	0–19 Min 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–254 No Func 255–255 Max

48 DMX Pix (continued)

Ch	Function	Default	DMX values
45	Effect	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
46	Effect Speed	0	
47	L EDFrequency	0	0–15 No Func 16–31 900Hz 32–47 1000Hz 48–63 1100Hz 64–79 1200Hz 80–95 1300Hz 96–111 1400Hz 112–127 1500Hz 128–143 2500Hz 144–159 4000Hz 160–175 5000Hz 176–191 10KHz 192–207 15KHz 208–223 20KHz 224–239 25KHz 240–255 Default
48	Dimmer Curve	0	0–19 No Func 20–39 Linear 40–59 S-Curve 60–79 Square 80–99 Inv Square 100–255 No Func