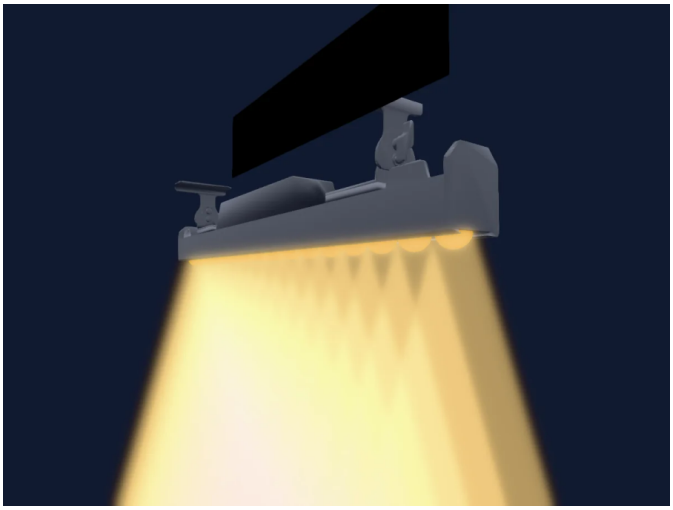
Showtec

Photon Wash



Manufacturer	**Showtec**
Type	**LED bar**
DMX modes	**6**
DMX footprint	**4, 7, 10, 32, 64, 74 channels**
Beam angle	**29.7°**
Heads / cells	**18**
Size (W × H × D)	**796 × 103 × 140 mm**
GDTF fixture type	**2FA09593-1DFD-11F1-8D75-42…**

Controls

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

DMX modes

4Ch Mode	4 ch
7Ch Mode	7 ch
10Ch Mode	10 ch
32Ch Mode	32 ch
64Ch Mode	64 ch
74Ch Mode	74 ch

4Ch Mode

4 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
2	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
3	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max

7Ch Mode

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
2	Shutter / Strobe	255	0–5 No Function 6–54 Strobe S > F 55–103 Ramp Up strobe · Ramp Up S > F 0.1–20 Hz 104–152 Ramp Down strobe · Ramp Down S > F 0.1–20 Hz 153–201 Strobe Random S > F 202–250 Strobe Random Sectional S > F 251–255 Open
3	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
5	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
6	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
7	Control1	0	0–5 No Function 6–15 Dimmer Curve Linear 16–25 Dimmer Curve Square 26–35 Dimmer Curve Inverse Square 36–45 Dimmer Curve S-Curve 46–55 Dimmer Speed Fast 56–65 Dimmer Speed Smooth 66–95 No Function 96–105 Pixel Directional Normal 106–115 Pixel Directional Inverted 116–125 Display Directional Normal 126–135 Display Directional Inverted 136–145 PWM 1 KHZ 146–155 PWM 3 KHZ 156–165 PWM 6 KHZ 166–175 PWM 12 KHZ 176–255 No Function

10Ch Mode

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
2	Shutter / Strobe	255	0–5 No Function 6–54 Strobe S > F 55–103 Ramp Up strobe · Ramp Up S > F 0.1–20 Hz 104–152 Ramp Down strobe · Ramp Down S > F 0.1–20 Hz 153–201 Strobe Random S > F 202–250 Strobe Random Sectional S > F 251–255 Open
3	Color Wheel	0	0–7 Open (wheel slot 1) 8–13 Color 1 (wheel slot 2) 14–20 Color 2 (wheel slot 3) 21–27 Color 3 (wheel slot 4) 28–34 Color 4 (wheel slot 5) 35–41 Color 5 (wheel slot 6) 42–48 Color 6 (wheel slot 7) 49–55 Color 7 (wheel slot 8) 56–62 Color 8 (wheel slot 9) 63–69 Color 9 (wheel slot 10) 70–76 Color 10 (wheel slot 11) 77–83 Color 11 (wheel slot 12) 84–90 Color 12 (wheel slot 13) 91–97 Color 13 (wheel slot 14) 98–104 Color 14 (wheel slot 15) 105–111 Color 15 (wheel slot 16) 112–118 Color 16 (wheel slot 17) 119–125 Color 17 (wheel slot 18) 126–132 Color 18 (wheel slot 19) 133–139 Color 19 (wheel slot 20) 140–146 Color 20 (wheel slot 21) 147–153 Color 21 (wheel slot 22) 154–160 Color 22 (wheel slot 23) 161–167 Color 23 (wheel slot 24) 168–174 Color 24 (wheel slot 25) 175–181 Color 25 (wheel slot 26) 182–188 Color 26 (wheel slot 27) 189–195 Color 27 (wheel slot 28) 196–202 Color 28 (wheel slot 29) 203–209 Color 29 (wheel slot 30) 210–216 Color 30 (wheel slot 31) 217–223 Color 31 (wheel slot 32) 224–230 Color 32 (wheel slot 33) 231–255 Color 33 (wheel slot 34)

10Ch Mode (continued)

Ch	Function	Default	DMX values
4	Color Macro1	0	0–15 No Function 16–28 Jump 1 29–41 Jump 2 42–54 Jump 3 55–67 Jump 4 68–80 Jump 5 81–93 Jump 6 94–106 Jump 7 107–119 Jump 8 120–132 Jump 9 133–145 Fade 1 146–158 Fade 2 159–171 Fade 3 172–184 Fade 4 185–197 Fade 5 198–210 Fade 6 211–223 Fade 7 224–236 Fade 8 237–255 Fade 9
5	Color Macro1Rate	0	0–0 Min 1–254 Min > Max 255–255 Max
6	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
9	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
10	Control1	0	0–5 No Function 6–15 Dimmer Curve Linear 16–25 Dimmer Curve Square 26–35 Dimmer Curve Inverse Square 36–45 Dimmer Curve S-Curve 46–55 Dimmer Speed Fast 56–65 Dimmer Speed Smooth 66–95 No Function 96–105 Pixel Directional Normal 106–115 Pixel Directional Inverted 116–125 Display Directional Normal 126–135 Display Directional Inverted 136–145 PWM 1 KHZ 146–155 PWM 3 KHZ 156–165 PWM 6 KHZ 166–175 PWM 12 KHZ 176–255 No Function

32Ch Mode

32 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–254 Min > Max 255–255 Max

32Ch Mode (continued)

Ch	Function	Default	DMX values
2	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
3	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
5	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
6	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
9	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
10	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
12	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
13	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
14	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
15	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
16	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
17	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
18	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
19	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max

32Ch Mode (continued)

Ch	Function	Default	DMX values
20	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
21	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
22	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
23	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
24	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
25	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
26	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
27	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
28	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
29	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
30	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
31	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
32	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max

64Ch Mode

64 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
2	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
3	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max

64Ch Mode (continued)

Ch	Function	Default	DMX values
5	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
6	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
9	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
10	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
12	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
13	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
14	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
15	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
16	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
17	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
18	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
19	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
20	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
21	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
22	Green	255	0–0 Min 1–254 Min > Max 255–255 Max

64Ch Mode (continued)

Ch	Function	Default	DMX values
23	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
24	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
25	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
26	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
27	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
28	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
29	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
30	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
31	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
32	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
33	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
34	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
35	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
36	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
37	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
38	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
39	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
40	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max

64Ch Mode (continued)

Ch	Function	Default	DMX values
41	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
42	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
43	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
44	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
45	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
46	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
47	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
48	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
49	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
50	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
51	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
52	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
53	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
54	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
55	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
56	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
57	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
58	Green	255	0–0 Min 1–254 Min > Max 255–255 Max

64Ch Mode (continued)

Ch	Function	Default	DMX values
59	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
60	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max
61	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
62	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
63	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
64	Color Add GY	0	0–0 Min 1–254 Min > Max 255–255 Max

74Ch Mode

74 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	255	0–5 No Function 6–54 Strobe S > F 55–103 Ramp Up strobe · Ramp Up S > F 0.1–20 Hz 104–152 Ramp Down strobe · Ramp Down S > F 0.1–20 Hz 153–201 Strobe Random S > F 202–250 Strobe Random Sectional S > F 251–255 Open

74Ch Mode (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–7 Open (wheel slot 1) 8–13 Color 1 (wheel slot 2) 14–20 Color 2 (wheel slot 3) 21–27 Color 3 (wheel slot 4) 28–34 Color 4 (wheel slot 5) 35–41 Color 5 (wheel slot 6) 42–48 Color 6 (wheel slot 7) 49–55 Color 7 (wheel slot 8) 56–62 Color 8 (wheel slot 9) 63–69 Color 9 (wheel slot 10) 70–76 Color 10 (wheel slot 11) 77–83 Color 11 (wheel slot 12) 84–90 Color 12 (wheel slot 13) 91–97 Color 13 (wheel slot 14) 98–104 Color 14 (wheel slot 15) 105–111 Color 15 (wheel slot 16) 112–118 Color 16 (wheel slot 17) 119–125 Color 17 (wheel slot 18) 126–132 Color 18 (wheel slot 19) 133–139 Color 19 (wheel slot 20) 140–146 Color 20 (wheel slot 21) 147–153 Color 21 (wheel slot 22) 154–160 Color 22 (wheel slot 23) 161–167 Color 23 (wheel slot 24) 168–174 Color 24 (wheel slot 25) 175–181 Color 25 (wheel slot 26) 182–188 Color 26 (wheel slot 27) 189–195 Color 27 (wheel slot 28) 196–202 Color 28 (wheel slot 29) 203–209 Color 29 (wheel slot 30) 210–216 Color 30 (wheel slot 31) 217–223 Color 31 (wheel slot 32) 224–230 Color 32 (wheel slot 33) 231–255 Color 33 (wheel slot 34)
4	Color Macro1	0	
5	Color Macro1Rate	0	
6	Red	255	
7	Green	255	
8	Blue	255	
9	Color Add GY	0	
10	Red	255	
11	Green	255	
12	Blue	255	
13	Color Add GY	0	
14	Red	255	
15	Green	255	
16	Blue	255	
17	Color Add GY	0	
18	Red	255	
19	Green	255	
20	Blue	255	
21	Color Add GY	0	
22	Red	255	
23	Green	255	
24	Blue	255	

74Ch Mode (continued)

Ch	Function	Default	DMX values
25	Color Add GY	0	
26	Red	255	
27	Green	255	
28	Blue	255	
29	Color Add GY	0	
30	Red	255	
31	Green	255	
32	Blue	255	
33	Color Add GY	0	
34	Red	255	
35	Green	255	
36	Blue	255	
37	Color Add GY	0	
38	Red	255	
39	Green	255	
40	Blue	255	
41	Color Add GY	0	
42	Red	255	
43	Green	255	
44	Blue	255	
45	Color Add GY	0	
46	Red	255	
47	Green	255	
48	Blue	255	
49	Color Add GY	0	
50	Red	255	
51	Green	255	
52	Blue	255	
53	Color Add GY	0	
54	Red	255	
55	Green	255	
56	Blue	255	
57	Color Add GY	0	
58	Red	255	
59	Green	255	
60	Blue	255	
61	Color Add GY	0	
62	Red	255	
63	Green	255	
64	Blue	255	
65	Color Add GY	0	
66	Red	255	
67	Green	255	
68	Blue	255	
69	Color Add GY	0	

74Ch Mode (continued)

Ch	Function	Default	DMX values
70	Red	255	
71	Green	255	
72	Blue	255	
73	Color Add GY	0	
74	Control1	0	