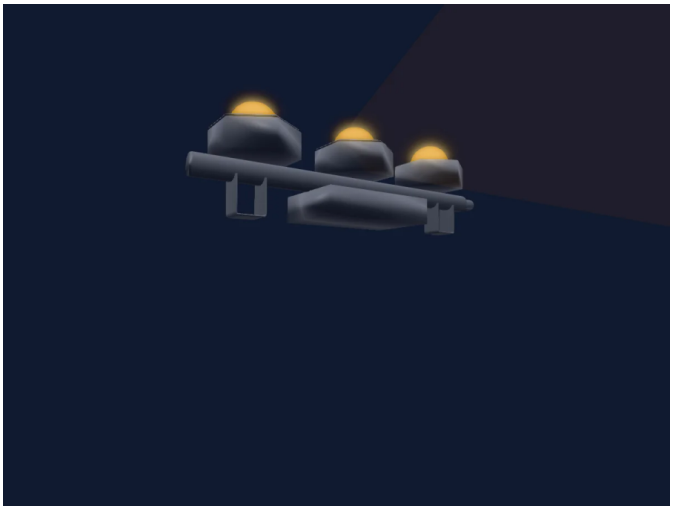
Portman Lights

EVO ELEMENT



Manufacturer	**Portman Lights**
Type	**PAR**
DMX modes	**6**
DMX footprint	**9, 15, 22, 23, 37, 39 channels**
Beam angle	**25-45°**
Heads / cells	**4**
Size (W × H × D)	**208 × 866 × 189 mm**
GDTF fixture type	**DCDCC410-CD6B-4DA2-84EB-B...**

Controls

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

Safety-relevant functions

Strobe

DMX modes

Super Simple	9 ch
Simple	15 ch
Pixel	22 ch
Standard	23 ch
Pixel Fine	37 ch
Standard Fine	39 ch

Super Simple

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer	0	
3	Dimmer	0	
4	Red	0	
5	Green	0	
6	Blue	0	
7	White	0	
8	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–121 Strobe 122–129 Strobe Open 130–245 Random Strobe 246–255 Strobe Open
9	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–121 Strobe 122–129 Shautter Open 130–245 Random Strobe 246–255 Shutter open

Simple

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer	0	
3	Dimmer	0	
4	Dimmer	0	
5	Red	0	
6	Green	0	
7	Blue	0	
8	White	0	
9	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–121 Strobe 122–129 Shutter Open 130–245 Random Strobe 246–255 Shutter Open
10	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)

Simple (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–55 Red (wheel slot 3) 56–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
12	Intensity Macro	0	
13	Macro Select	0	
14	Macro Speed	0	
15	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)

Pixel

22 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	0	
6	Dimmer	0	
7	Red	0	
8	Green	0	
9	Blue	0	
10	White	0	
11	Dimmer	0	
12	Red	0	
13	Green	0	
14	Blue	0	
15	White	0	
16	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)

Pixel (continued)

Ch	Function	Default	DMX values
17	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
18	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
19	Intensity Macro	0	
20	Macro Select	0	
21	Macro Speed	0	
22	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)

Standard

23 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer	0	
3	Dimmer	0	
4	Dimmer	0	
5	Red	0	
6	Green	0	
7	Blue	0	
8	White	0	
9	Red	0	
10	Green	0	
11	Blue	0	
12	White	0	
13	Red	0	
14	Green	0	
15	Blue	0	

Standard (continued)

Ch	Function	Default	DMX values
16	White	0	
17	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
18	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
19	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
20	Intensity Macro	0	
21	Macro Select	0	
22	Macro Speed	0	
23	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)

Pixel Fine

37 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	0	
4	Red Fine	0	Fine byte of Red
5	Green	0	
6	Green Fine	0	Fine byte of Green
7	Blue	0	
8	Blue Fine	0	Fine byte of Blue
9	White	0	
10	White Fine	0	Fine byte of White

Pixel Fine (continued)

Ch	Function	Default	DMX values
11	Dimmer	0	
12	Dimmer Fine	0	Fine byte of Dimmer
13	Red	0	
14	Red Fine	0	Fine byte of Red
15	Green	0	
16	Green Fine	0	Fine byte of Green
17	Blue	0	
18	Blue Fine	0	Fine byte of Blue
19	White	0	
20	White Fine	0	Fine byte of White
21	Dimmer	0	
22	Dimmer Fine	0	Fine byte of Dimmer
23	Red	0	
24	Red Fine	0	Fine byte of Red
25	Green	0	
26	Green Fine	0	Fine byte of Green
27	Blue	0	
28	Blue Fine	0	Fine byte of Blue
29	White	0	
30	White Fine	0	Fine byte of White
31	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
32	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
33	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
34	Intensity Macro	0	
35	Macro Select	0	
36	Macro Speed	0	

Pixel Fine (continued)

Ch	Function	Default	DMX values
37	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)

Standard Fine

39 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer	0	
4	Dimmer Fine	0	Fine byte of Dimmer
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Dimmer	0	
8	Dimmer Fine	0	Fine byte of Dimmer
9	Red	0	
10	Red Fine	0	Fine byte of Red
11	Green	0	
12	Green Fine	0	Fine byte of Green
13	Blue	0	
14	Blue Fine	0	Fine byte of Blue
15	White	0	
16	White Fine	0	Fine byte of White
17	Red	0	
18	Red Fine	0	Fine byte of Red
19	Green	0	
20	Green Fine	0	Fine byte of Green
21	Blue	0	
22	Blue Fine	0	Fine byte of Blue
23	White	0	
24	White Fine	0	Fine byte of White
25	Red	0	
26	Red Fine	0	Fine byte of Red
27	Green	0	
28	Green Fine	0	Fine byte of Green
29	Blue	0	
30	Blue Fine	0	Fine byte of Blue
31	White	0	
32	White Fine	0	Fine byte of White

Standard Fine (continued)

Ch	Function	Default	DMX values
33	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
34	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
35	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
36	Intensity Macro	0	
37	Macro Select	0	
38	Macro Speed	0	
39	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)