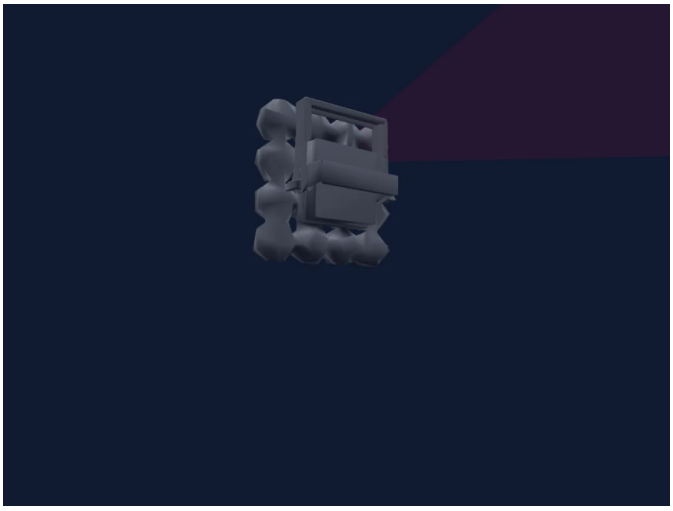
CKC Lighting

Qdot 16 IP DTW



Manufacturer	**CKC Lighting**
Type	**PAR**
DMX modes	**9**
DMX footprint	**1, 2, 7, 13, 16, 32, 37, 64 channels**
Beam angle	**23°**
Size (W × H × D)	**440 × 440 × 207 mm**
GDTF fixture type	**0D0CF95A-DD5D-4874-9642-54…**

Controls

Extra LED colours · Strobe · Dimmer

DMX modes

1Ch	1 ch
2Ch	2 ch
7CH	7 ch
13CH	13 ch
16CH	16 ch
32CH-1	32 ch
32CH-2	32 ch
37CH	37 ch
64CH	64 ch

1Ch

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%

2Ch

2 channels

Ch	Function	Default	DMX values
1	White	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
2	Color Add RY	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

7CH

7 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Open
2	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
3	Dimmer Fine	0	Fine byte of Dimmer

7CH (continued)

Ch	Function	Default	DMX values
4	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
5	Function	0	0–10 Idle 11–15 Standard 16–20 Inverted 21–25 Rotate 26–30 Snake 31–35 Snake Inverted 36–40 Snake Rotated 41–100 Idle 101–105 900 106–110 1000 111–115 1100 116–120 1200 (default) 121–125 1300 126–130 1400 131–135 1500 136–140 2500 141–145 4000 146–150 5000 151–160 10000 161–165 15000 166–170 20000 171–175 25000 176–200 Idle 201–210 Linear (default) 211–220 Square 221–230 inv Square 231–240 S-Curve 241–245 Dim to Warm Enabled (default) 246–250 Dim to Warm Disabled 251–255 Idle

7CH (continued)

Ch	Function	Default	DMX values
6	White	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	Color Add RY	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

13CH

13 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Open
2	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
3	Dimmer Fine	0	Fine byte of Dimmer

13CH (continued)

Ch	Function	Default	DMX values
4	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
5	Function	0	0–10 Idle 11–15 Standard 16–20 Inverted 21–25 Rotate 26–30 Snake 31–35 Snake Inverted 36–40 Snake Rotated 41–100 Idle 101–105 900 106–110 1000 111–115 1100 116–120 1200 (default) 121–125 1300 126–130 1400 131–135 1500 136–140 2500 141–145 4000 146–150 5000 151–160 10000 161–165 15000 166–170 20000 171–175 25000 176–200 Idle 201–210 Linear (default) 211–220 Square 221–230 inv Square 231–240 S-Curve 241–245 Dim to Warm Enabled (default) 246–250 Dim to Warm Disabled 251–255 Idle

13CH (continued)

Ch	Function	Default	DMX values
6	White	0	0–63 0% Cell 1 64–127 25% Cell 1 128–190 50% Cell 1 191–254 75% Cell 1 255–255 100% Cell 1
7	Color Add RY	0	0–63 0% Cell 1 64–127 25% Cell 1 128–190 50% Cell 1 191–254 75% Cell 1 255–255 100% Cell 1
8	White	0	0–63 0% Cell 2 64–127 25% Cell 2 128–190 50% Cell 2 191–254 75% Cell 2 255–255 100% Cell 2
9	Color Add RY	0	0–63 0% Cell 2 64–127 25% Cell 2 128–190 50% Cell 2 191–254 75% Cell 2 255–255 100% Cell 2
10	White	0	0–63 0% Cell 3 64–127 25% Cell 3 128–190 50% Cell 3 191–254 75% Cell 3 255–255 100% Cell 3
11	Color Add RY	0	0–63 0% Cell 3 64–127 25% Cell 3 128–190 50% Cell 3 191–254 75% Cell 3 255–255 100% Cell 3
12	White	0	0–63 0% Cell 4 64–127 25% Cell 4 128–190 50% Cell 4 191–254 75% Cell 4 255–255 100% Cell 4
13	Color Add RY	0	0–63 0% Cell 4 64–127 25% Cell 4 128–190 50% Cell 4 191–254 75% Cell 4 255–255 100% Cell 4

16CH

16 channels

Ch	Function	Default	DMX values
1	White	0	0–254 White 1 Min 255–255 White 1 Max
2	White	0	0–254 White 2 Min 255–255 White 2 Max
3	White	0	0–254 White 3 Min 255–255 White 3 Max
4	White	0	0–254 White 4 Min 255–255 White 4 Max
5	White	0	0–254 White 5 Min 255–255 White 5 Max
6	White	0	0–254 White 6 Min 255–255 White 6 Max

16CH (continued)

Ch	Function	Default	DMX values
7	White	0	0–254 White 7 Min 255–255 White 7 Max
8	White	0	0–254 White 8 Min 255–255 White 8 Max
9	White	0	0–254 White 9 Min 255–255 White 9 Max
10	White	0	0–254 White 10 Min 255–255 White 10 Max
11	White	0	0–254 White 11 Min 255–255 White 11 Max
12	White	0	0–254 White 12 Min 255–255 White 12 Max
13	White	0	0–254 White 13 Min 255–255 White 13 Max
14	White	0	0–254 White 14 Min 255–255 White 14 Max
15	White	0	0–254 White 15 Min 255–255 White 15 Max
16	White	0	0–254 White 16 Min 255–255 White 16 Max

32CH-1

32 channels

Ch	Function	Default	DMX values
1	White	0	0–254 White 1 Min 255–255 White 1 Max
2	Color Add RY	0	0–254 Amber 1 Min 255–255 Amber 1 Max
3	White	0	0–254 White 2 Min 255–255 White 2 Max
4	Color Add RY	0	0–254 Amber 2 Min 255–255 Amber 2 Max
5	White	0	0–254 White 3 Min 255–255 White 3 Max
6	Color Add RY	0	0–254 Amber 3 Min 255–255 Amber 3 Max
7	White	0	0–254 White 4 Min 255–255 White 4 Max
8	Color Add RY	0	0–254 Amber 4 Min 255–255 Amber 4 Max
9	White	0	0–254 White 5 Min 255–255 White 5 Max
10	Color Add RY	0	0–254 Amber 5 Min 255–255 Amber 5 Max
11	White	0	0–254 White 6 Min 255–255 White 6 Max
12	Color Add RY	0	0–254 Amber 6 Min 255–255 Amber 6 Max
13	White	0	0–254 White 7 Min 255–255 White 7 Max
14	Color Add RY	0	0–254 Amber 7 Min 255–255 Amber 7 Max

32CH-1 (continued)

Ch	Function	Default	DMX values
15	White	0	0–254 White 8 Min 255–255 White 8 Max
16	Color Add RY	0	0–254 Amber 8 Min 255–255 Amber 8 Max
17	White	0	0–254 White 9 Min 255–255 White 9 Max
18	Color Add RY	0	0–254 Amber 9 Min 255–255 Amber 9 Max
19	White	0	0–254 White 10 Min 255–255 White 10 Max
20	Color Add RY	0	0–254 Amber 10 Min 255–255 Amber 10 Max
21	White	0	0–254 White 11 Min 255–255 White 11 Max
22	Color Add RY	0	0–254 Amber 11 Min 255–255 Amber 11 Max
23	White	0	0–254 White 12 Min 255–255 White 12 Max
24	Color Add RY	0	0–254 Amber 12 Min 255–255 Amber 12 Max
25	White	0	0–254 White 13 Min 255–255 White 13 Max
26	Color Add RY	0	0–254 Amber 13 Min 255–255 Amber 13 Max
27	White	0	0–254 White 14 Min 255–255 White 14 Max
28	Color Add RY	0	0–254 Amber 14 Min 255–255 Amber 14 Max
29	White	0	0–254 White 15 Min 255–255 White 15 Max
30	Color Add RY	0	0–254 Amber 15 Min 255–255 Amber 15 Max
31	White	0	0–254 White 16 Min 255–255 White 16 Max
32	Color Add RY	0	0–254 Amber 16 Min 255–255 Amber 16 Max

32CH-2

32 channels

Ch	Function	Default	DMX values
1	White	0	0–254 White 1 Min 255–255 White 1 Max
2	White Fine	0	Fine byte of White
3	White	0	0–254 White 2 Min 255–255 White 2 Max
4	White Fine	0	Fine byte of White
5	White	0	0–254 White 3 Min 255–255 White 3 Max
6	White Fine	0	Fine byte of White
7	White	0	0–254 White 4 Min 255–255 White 4 Max
8	White Fine	0	Fine byte of White

32CH-2 (continued)

Ch	Function	Default	DMX values
9	White	0	0–254 White 5 Min 255–255 White 5 Max
10	White Fine	0	Fine byte of White
11	White	0	0–254 White 6 Min 255–255 White 6 Max
12	White Fine	0	Fine byte of White
13	White	0	0–254 White 7 Min 255–255 White 7 Max
14	White Fine	0	Fine byte of White
15	White	0	0–254 White 8 Min 255–255 White 8 Max
16	White Fine	0	Fine byte of White
17	White	0	0–254 White 9 Min 255–255 White 9 Max
18	White Fine	0	Fine byte of White
19	White	0	0–254 White 10 Min 255–255 White 10 Max
20	White Fine	0	Fine byte of White
21	White	0	0–254 White 11 Min 255–255 White 11 Max
22	White Fine	0	Fine byte of White
23	White	0	0–254 White 12 Min 255–255 White 12 Max
24	White Fine	0	Fine byte of White
25	White	0	0–254 White 13 Min 255–255 White 13 Max
26	White Fine	0	Fine byte of White
27	White	0	0–254 White 14 Min 255–255 White 14 Max
28	White Fine	0	Fine byte of White
29	White	0	0–254 White 15 Min 255–255 White 15 Max
30	White Fine	0	Fine byte of White
31	White	0	0–254 White 16 Min 255–255 White 16 Max
32	White Fine	0	Fine byte of White

37CH

37 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Open

37CH (continued)

Ch	Function	Default	DMX values
2	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
3	Dimmer Fine	0	Fine byte of Dimmer
4	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default

37CH (continued)

Ch	Function	Default	DMX values
5	Function	0	0–10 Idle 11–15 Standard 16–20 Inverted 21–25 Rotate 26–30 Snake 31–35 Snake Inverted 36–40 Snake Rotated 41–100 Idle 101–105 900 106–110 1000 111–115 1100 116–120 1200 (default) 121–125 1300 126–130 1400 131–135 1500 136–140 2500 141–145 4000 146–150 5000 151–160 10000 161–165 15000 166–170 20000 171–175 25000 176–200 Idle 201–210 Linear (default) 211–220 Square 221–230 inv Square 231–240 S-Curve 241–245 Dim to Warm Enabled (default) 246–250 Dim to Warm Disabled 251–255 Idle
6	White	0	0–254 White 1 Min 255–255 White 1 Max
7	Color Add RY	0	0–254 Amber 1 Min 255–255 Amber 1 Max
8	White	0	0–254 White 2 Min 255–255 White 2 Max
9	Color Add RY	0	0–254 Amber 2 Min 255–255 Amber 2 Max
10	White	0	0–254 White 3 Min 255–255 White 3 Max
11	Color Add RY	0	0–254 Amber 3 Min 255–255 Amber 3 Max
12	White	0	0–254 White 4 Min 255–255 White 4 Max
13	Color Add RY	0	0–254 Amber 4 Min 255–255 Amber 4 Max
14	White	0	0–254 White 5 Min 255–255 White 5 Max
15	Color Add RY	0	0–254 Amber 5 Min 255–255 Amber 5 Max
16	White	0	0–254 White 6 Min 255–255 White 6 Max
17	Color Add RY	0	0–254 Amber 6 Min 255–255 Amber 6 Max
18	White	0	0–254 White 7 Min 255–255 White 7 Max

37CH (continued)

Ch	Function	Default	DMX values
19	Color Add RY	0	0–254 Amber 7 Min 255–255 Amber 7 Max
20	White	0	0–254 White 8 Min 255–255 White 8 Max
21	Color Add RY	0	0–254 Amber 8 Min 255–255 Amber 8 Max
22	White	0	0–254 White 9 Min 255–255 White 9 Max
23	Color Add RY	0	0–254 Amber 9 Min 255–255 Amber 9 Max
24	White	0	0–254 White 10 Min 255–255 White 10 Max
25	Color Add RY	0	0–254 Amber 10 Min 255–255 Amber 10 Max
26	White	0	0–254 White 11 Min 255–255 White 11 Max
27	Color Add RY	0	0–254 Amber 11 Min 255–255 Amber 11 Max
28	White	0	0–254 White 12 Min 255–255 White 12 Max
29	Color Add RY	0	0–254 Amber 12 Min 255–255 Amber 12 Max
30	White	0	0–254 White 13 Min 255–255 White 13 Max
31	Color Add RY	0	0–254 Amber 13 Min 255–255 Amber 13 Max
32	White	0	0–254 White 14 Min 255–255 White 14 Max
33	Color Add RY	0	0–254 Amber 14 Min 255–255 Amber 14 Max
34	White	0	0–254 White 15 Min 255–255 White 15 Max
35	Color Add RY	0	0–254 Amber 15 Min 255–255 Amber 15 Max
36	White	0	0–254 White 16 Min 255–255 White 16 Max
37	Color Add RY	0	0–254 Amber 16 Min 255–255 Amber 16 Max

64CH

64 channels

Ch	Function	Default	DMX values
1	White	0	0–254 White 1 Min 255–255 White 1 Max
2	White Fine	0	Fine byte of White
3	Color Add RY	0	0–254 Amber 1 Min 255–255 Amber 1 Max
4	Color Add RY Fine	0	Fine byte of Color Add RY
5	White	0	0–254 White 2 Min 255–255 White 2 Max
6	White Fine	0	Fine byte of White

64CH (continued)

Ch	Function	Default	DMX values
7	Color Add RY	0	0–254 Amber 2 Min 255–255 Amber 2 Max
8	Color Add RY Fine	0	Fine byte of Color Add RY
9	White	0	0–254 White 3 Min 255–255 White 3 Max
10	White Fine	0	Fine byte of White
11	Color Add RY	0	0–254 Amber 3 Min 255–255 Amber 3 Max
12	Color Add RY Fine	0	Fine byte of Color Add RY
13	White	0	0–254 White 4 Min 255–255 White 4 Max
14	White Fine	0	Fine byte of White
15	Color Add RY	0	0–254 Amber 4 Min 255–255 Amber 4 Max
16	Color Add RY Fine	0	Fine byte of Color Add RY
17	White	0	0–254 White 5 Min 255–255 White 5 Max
18	White Fine	0	Fine byte of White
19	Color Add RY	0	0–254 Amber 5 Min 255–255 Amber 5 Max
20	Color Add RY Fine	0	Fine byte of Color Add RY
21	White	0	0–254 White 6 Min 255–255 White 6 Max
22	White Fine	0	Fine byte of White
23	Color Add RY	0	0–254 Amber 6 Min 255–255 Amber 6 Max
24	Color Add RY Fine	0	Fine byte of Color Add RY
25	White	0	0–254 White 7 Min 255–255 White 7 Max
26	White Fine	0	Fine byte of White
27	Color Add RY	0	0–254 Amber 7 Min 255–255 Amber 7 Max
28	Color Add RY Fine	0	Fine byte of Color Add RY
29	White	0	0–254 White 8 Min 255–255 White 8 Max
30	White Fine	0	Fine byte of White
31	Color Add RY	0	0–254 Amber 8 Min 255–255 Amber 8 Max
32	Color Add RY Fine	0	Fine byte of Color Add RY
33	White	0	0–254 White 9 Min 255–255 White 9 Max
34	White Fine	0	Fine byte of White
35	Color Add RY	0	0–254 Amber 9 Min 255–255 Amber 9 Max
36	Color Add RY Fine	0	Fine byte of Color Add RY
37	White	0	0–254 White 10 Min 255–255 White 10 Max
38	White Fine	0	Fine byte of White
39	Color Add RY	0	0–254 Amber 10 Min 255–255 Amber 10 Max

64CH (continued)

Ch	Function	Default	DMX values
40	Color Add RY Fine	0	Fine byte of Color Add RY
41	White	0	0–254 White 11 Min 255–255 White 11 Max
42	White Fine	0	Fine byte of White
43	Color Add RY	0	0–254 Amber 11 Min 255–255 Amber 11 Max
44	Color Add RY Fine	0	Fine byte of Color Add RY
45	White	0	0–254 White 12 Min 255–255 White 12 Max
46	White Fine	0	Fine byte of White
47	Color Add RY	0	0–254 Amber 12 Min 255–255 Amber 12 Max
48	Color Add RY Fine	0	Fine byte of Color Add RY
49	White	0	0–254 White 13 Min 255–255 White 13 Max
50	White Fine	0	Fine byte of White
51	Color Add RY	0	0–254 Amber 13 Min 255–255 Amber 13 Max
52	Color Add RY Fine	0	Fine byte of Color Add RY
53	White	0	0–254 White 14 Min 255–255 White 14 Max
54	White Fine	0	Fine byte of White
55	Color Add RY	0	0–254 Amber 14 Min 255–255 Amber 14 Max
56	Color Add RY Fine	0	Fine byte of Color Add RY
57	White	0	0–254 White 15 Min 255–255 White 15 Max
58	White Fine	0	Fine byte of White
59	Color Add RY	0	0–254 Amber 15 Min 255–255 Amber 15 Max
60	Color Add RY Fine	0	Fine byte of Color Add RY
61	White	0	0–254 White 16 Min 255–255 White 16 Max
62	White Fine	0	Fine byte of White
63	Color Add RY	0	0–254 Amber 16 Min 255–255 Amber 16 Max
64	Color Add RY Fine	0	Fine byte of Color Add RY