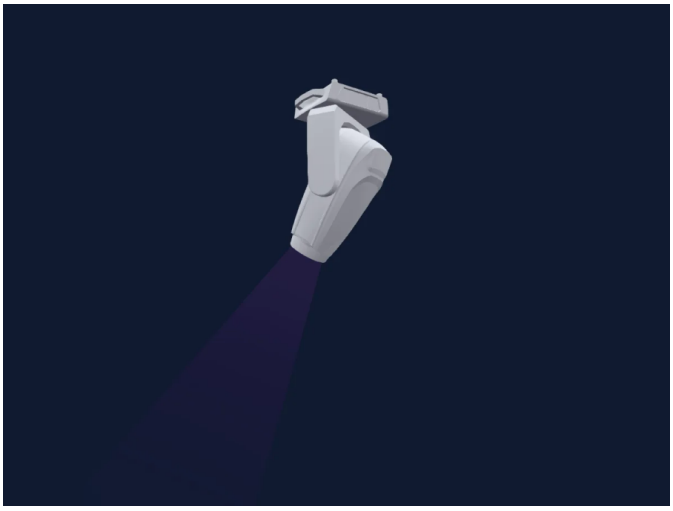
CKC Lighting

V20



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**38, 54 channels**
Beam angle	**5-53°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**340 × 630 × 280 mm**
GDTF fixture type	**F32673DC-8D12-40E9-AD0F-E0…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

Standard 38CH	38 ch
Extend 54CH	54 ch

Standard 38CH

38 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	50	0–31 Shutter Close 32–63 Shutter Open 64–94 Min Strobe 95–95 Max Strobe 96–127 Open2 128–158 Min Strobe Pulse 159–159 Max Strobe Pulse 160–191 Open3 192–222 Min Random Strobe 223–223 Max Random Strobe 224–255 Open4
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	C TO	0	
12	Color Wheel	0	0–4 Color off (open) (wheel slot 1) 5–115 index 116–120 Open (wheel slot 1) 121–130 Deep Red (wheel slot 2) 131–140 Medium Blue (wheel slot 3) 141–150 Deep Green (wheel slot 4) 151–160 Amber (wheel slot 5) 161–170 CTB (wheel slot 6) 171–192 Open2 (wheel slot 1) 193–223 CW Rot Slow to Fast 224–255 Stop
13	Color Wheel Fine	0	Fine byte of Color Wheel
14	Gobo	0	0–5 Open (wheel slot 1) 6–20 Gobo 1 (wheel slot 2) 21–35 Gobo 2 (wheel slot 3) 36–50 Gobo 3 (wheel slot 4) 51–65 Gobo 4 (wheel slot 5) 66–80 Gobo 5 (wheel slot 6) 81–95 Gobo 6 (wheel slot 7) 96–110 Gobo 1 shake (slow-fast) (wheel slot 2) 111–125 Gobo 2 shake (slow-fast) (wheel slot 3) 126–140 Gobo 3 shake (slow-fast) (wheel slot 4) 141–155 Gobo 4 shake (slow-fast) (wheel slot 5) 156–170 Gobo 5 shake (slow-fast) (wheel slot 6) 171–185 Gobo 6 shake (slow-fast) (wheel slot 7) 186–192 Open (wheel slot 1) 193–223 Clockwise from slow to fast 224–224 Stop 225–255 Counter-clockwise from fast to slow
15	Gobo Rotation	0	0–128 Gobo Position index 129–191 Rot CW Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
16	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard 38CH (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–5 Open (wheel slot 1) 6–20 Gobo 1 (wheel slot 2) 21–35 Gobo 2 (wheel slot 3) 36–50 Gobo 3 (wheel slot 4) 51–65 Gobo 4 (wheel slot 5) 66–80 Gobo 5 (wheel slot 6) 81–95 Gobo 6 (wheel slot 7) 96–110 Gobo 1 shake (slow-fast) (wheel slot 2) 111–125 Gobo 2 shake (slow-fast) (wheel slot 3) 126–140 Gobo 3 shake (slow-fast) (wheel slot 4) 141–155 Gobo 4 shake (slow-fast) (wheel slot 5) 156–170 Gobo 5 shake (slow-fast) (wheel slot 6) 171–185 Gobo 6 shake (slow-fast) (wheel slot 7) 186–192 Open (wheel slot 1) 193–223 Spin CW Slow to Fast 224–224 Stop 225–255 Spin CCW Fast to Slow
18	Gobo Rotation 2	0	0–128 Gobo Position index 129–191 Rotation Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
19	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
20	Zoom	128	0–254 Narrow 255–255 Wide
21	Focus	128	
22	Iris	0	0–224 Open 225–225 Close 226–234 slow 235–235 fast 236–244 slow 245–245 fast 246–254 Slow 255–255 Fast
23	Prism	0	0–5 Open (wheel slot 1) 6–130 Prism 1 (6 liner Prism) (wheel slot 2) 131–255 Prism 2 (4 Facet Prism) (wheel slot 3)
24	Prism Rotation	0	0–127 Position 0 degrees 128–128 Position 540 degrees 129–191 Rotation CW Slow to Fast 192–192 Stop 193–255 Rotation CCW Fast to Slow
25	Frost1	0	
26	Frost2	0	
27	Animation Wheel1Pos	0	0–127 Wheel Position 0 degrees 128–128 Wheel Position 540 degrees 129–191 Rot Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
28	Blade1A	0	
29	Blade1B	0	
30	Blade2A	0	
31	Blade2B	0	
32	Blade3A	0	
33	Blade3B	0	
34	Blade4A	0	
35	Blade4B	0	

Standard 38CH (continued)

Ch	Function	Default	DMX values
36	Shaper Rot	128	
37	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to U nit Setting
38	Control1	0	0–5 No function 6–10 On Display Backlight 11–15 Off Display Backlight 16–20 Invert Pan on (Hold 3s) 21–25 Invert Pan off (Hold 5s) 26–30 Invert Tilt on (Hold 3s) 31–35 Invert Tilt off (Hold 5s) 36–40 Fan Auto (Hold 3s) 41–45 Fan Silent (Hold 5s) 46–55 Linear Dimmer Curve (hold 3s) 56–60 Square Dimmer Curve (hold 3s) 61–65 Inv-Square Dimmer Curve (hold 3s) 66–70 S - Dimmer Curve (hold 3s) 71–75 1200 Hz (hold 3s) 76–80 3600 Hz (hold 3s) 81–85 5000 Hz (hold 3s) 86–90 10000 Hz (hold 3s) 91–95 15000 Hz (hold 3s) 96–100 20000 Hz (hold 3s) 101–105 25000 Hz (hold 3s) 106–110 Reset Pan/Tilt (Hold 3s) 111–115 Reset only Head (Hold 3s) 116–120 Reset All Functions (Hold 3s) 121–125 Standard Mode 126–130 High CRI 131–135 6500K 136–140 6000K 141–145 3200K 146–165 No function 166–170 DFSE 171–255 No function

Extend 54CH

54 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer

Extend 54CH (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Min Strobe 95–95 Max Strobe 96–127 Open2 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open3 192–222 Min Random Strobe 223–223 Max Random Strobe 224–255 Open4
8	Cyan	0	
9	Cyan Fine	0	Fine byte of Cyan
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta
12	Yellow	0	
13	Yellow Fine	0	Fine byte of Yellow
14	C TO	0	
15	C TO Fine	0	Fine byte of C TO
16	Color Wheel	0	0–4 Color off (open) (wheel slot 1) 5–115 index 116–120 Open (wheel slot 1) 121–130 Deep Red (wheel slot 2) 131–140 Medium Blue (wheel slot 3) 141–150 Deep Green (wheel slot 4) 151–160 Amber (wheel slot 5) 161–170 CTB (wheel slot 6) 171–192 Open2 (wheel slot 1) 193–223 CW Rot Slow to Fast 224–255 Stop
17	Color Wheel Fine	0	Fine byte of Color Wheel
18	Gobo	0	0–5 Open (wheel slot 1) 6–20 Gobo 1 (wheel slot 2) 21–35 Gobo 2 (wheel slot 3) 36–50 Gobo 3 (wheel slot 4) 51–65 Gobo 4 (wheel slot 5) 66–80 Gobo 5 (wheel slot 6) 81–95 Gobo 6 (wheel slot 7) 96–110 Gobo 1 shake (slow-fast) (wheel slot 2) 111–125 Gobo 2 shake (slow-fast) (wheel slot 3) 126–140 Gobo 3 shake (slow-fast) (wheel slot 4) 141–155 Gobo 4 shake (slow-fast) (wheel slot 5) 156–170 Gobo 5 shake (slow-fast) (wheel slot 6) 171–185 Gobo 6 shake (slow-fast) (wheel slot 7) 186–192 Open (wheel slot 1) 193–223 Clockwise from slow to fast 224–224 Stop 225–255 Counter-clockwise from fast to slow
19	Gobo Rotation	0	0–128 Gobo Position index 129–191 Rot CW Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
20	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extend 54CH (continued)

Ch	Function	Default	DMX values
21	Gobo 2	0	0–5 Open (wheel slot 1) 6–20 Gobo 1 (wheel slot 2) 21–35 Gobo 2 (wheel slot 3) 36–50 Gobo 3 (wheel slot 4) 51–65 Gobo 4 (wheel slot 5) 66–80 Gobo 5 (wheel slot 6) 81–95 Gobo 6 (wheel slot 7) 96–110 Gobo 1 shake (slow-fast) (wheel slot 2) 111–125 Gobo 2 shake (slow-fast) (wheel slot 3) 126–140 Gobo 3 shake (slow-fast) (wheel slot 4) 141–155 Gobo 4 shake (slow-fast) (wheel slot 5) 156–170 Gobo 5 shake (slow-fast) (wheel slot 6) 171–185 Gobo 6 shake (slow-fast) (wheel slot 7) 186–192 Open (wheel slot 1) 193–223 Spin CW Slow to Fast 224–224 Stop 225–255 Spin CCW Fast to Slow
22	Gobo Rotation 2	0	0–128 Gobo Position index 129–191 Rotation Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
23	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
24	Zoom	128	0–254 Narrow 255–255 Wide
25	Zoom Fine	0	Fine byte of Zoom
26	Focus	128	
27	Focus Fine	0	Fine byte of Focus
28	Iris	0	0–224 Open 225–225 Close 226–234 slow 235–235 fast 236–244 slow 245–245 fast 246–254 Slow 255–255 Fast
29	Prism	0	0–5 Open (wheel slot 1) 6–130 Prism 1 (6 liner Prism) (wheel slot 2) 131–255 Prism 2 (4 Facet Prism) (wheel slot 3)
30	Prism Rotation	0	0–127 Position 0 degrees 128–128 Position 540 degrees 129–191 Rotation CW Slow to Fast 192–192 Stop 193–255 Rotation CCW Fast to Slow
31	Frost1	0	
32	Frost2	0	
33	Animation Wheel1Pos	0	0–127 Wheel Position 0 degrees 128–128 Wheel Position 540 degrees 129–191 Rot Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
34	Blade1A	0	
35	Blade1A Fine	0	Fine byte of Blade1A
36	Blade1B	0	
37	Blade1B Fine	0	Fine byte of Blade1B
38	Blade2A	0	
39	Blade2A Fine	0	Fine byte of Blade2A

Extend 54CH (continued)

Ch	Function	Default	DMX values
40	Blade2B	0	
41	Blade2B Fine	0	Fine byte of Blade2B
42	Blade3A	0	
43	Blade3A Fine	0	Fine byte of Blade3A
44	Blade3B	0	
45	Blade3B Fine	0	Fine byte of Blade3B
46	Blade4A	0	
47	Blade4A Fine	0	Fine byte of Blade4A
48	Blade4B	0	
49	Blade4B Fine	0	Fine byte of Blade4B
50	Shaper Rot	128	
51	Shaper Rot Fine	0	Fine byte of Shaper Rot
52	Position Effect Rate	0	0–254 Max Speed 255–255 Min Speed
53	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to U nit Setting
54	Control1	0	0–5 No function 6–10 On Display Backlight 11–15 Off Display Backlight 16–20 Invert Pan on (Hold 3s) 21–25 Invert Pan off (Hold 5s) 26–30 Invert Tilt on (Hold 3s) 31–35 Invert Tilt off (Hold 5s) 36–40 Fan Auto (Hold 3s) 41–45 Fan Silent (Hold 5s) 46–55 Linear Dimmer Curve (hold 3s) 56–60 Square Dimmer Curve (hold 3s) 61–65 Inv-Square Dimmer Curve (hold 3s) 66–70 S - Dimmer Curve (hold 3s) 71–75 1200 Hz (hold 3s) 76–80 3600 Hz (hold 3s) 81–85 5000 Hz (hold 3s) 86–90 10000 Hz (hold 3s) 91–95 15000 Hz (hold 3s) 96–100 20000 Hz (hold 3s) 101–105 25000 Hz (hold 3s) 106–110 Reset Pan/Tilt (Hold 3s) 111–115 Reset only Head (Hold 3s) 116–120 Reset All Functions (Hold 3s) 121–125 Standard Mode 126–130 High CRI 131–135 6500K 136–140 6000K 141–145 3200K 146–165 No function 166–170 DFSE 171–255 No function