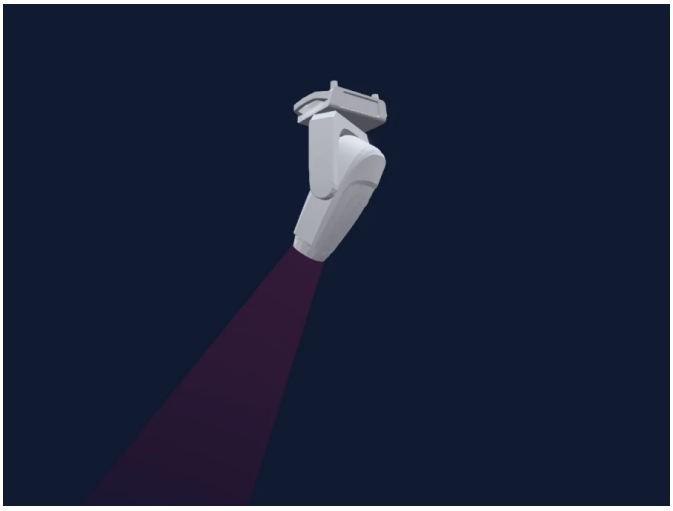
CKC Lighting

CKC V6



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**33, 38, 43 channels**
Beam angle	**6-44°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**273 × 540 × 241 mm**
GDTF fixture type	**536399D4-7577-47D3-9A0C-D2…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic 33CH	33 ch
Standard 38CH	38 ch
Extended 43CH	43 ch

Basic 33CH

33 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 min 128–255 Empty Channel Set
2	Tilt	128	
3	Position MSpeed	0	0–225 Fast to Slow 226–235 Blackout by movement 236–245 Blackout by all wheel changing 246–255 No function
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	C TO	0	
8	Gobo	0	0–9 open (wheel slot 1) 10–19 Gobo1 (wheel slot 2) 20–29 Gobo2 (wheel slot 3) 30–39 Gobo3 (wheel slot 4) 40–49 Gobo4 (wheel slot 5) 50–59 Gobo5 (wheel slot 6) 60–69 Gobo6 (wheel slot 7) 70–79 Gobo7 (wheel slot 8) 80–94 Gobo 1 shake (wheel slot 2) 95–109 Gobo 2 shake (wheel slot 3) 110–124 Gobo 3 shake (wheel slot 4) 125–139 Gobo 4 shake (wheel slot 5) 140–154 Gobo 5 shake (wheel slot 6) 155–169 Gobo 6 shake (wheel slot 7) 170–189 Gobo 7 shake (wheel slot 8) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
9	Gobo Rotation	0	0–127 Indexing 0-540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast CW
10	Color Wheel	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 2) 18–30 Red (wheel slot 3) 31–43 Red / Medium Blue (wheel slot 4) 44–56 Medium Blue (wheel slot 5) 57–69 Medium Blue / Green (wheel slot 6) 70–82 Green (wheel slot 7) 83–95 Green / Amber (wheel slot 8) 96–108 Amber (wheel slot 9) 109–121 Amber / Orange (wheel slot 10) 122–134 Orange (wheel slot 11) 135–147 Orange / High CRI Filter (wheel slot 12) 148–160 High CRI Filter (wheel slot 13) 161–173 High CRI Filter / CTB (wheel slot 14) 174–186 CTB (wheel slot 15) 187–199 CTB / Open (wheel slot 16) 200–226 Fast to Slow CW 227–228 No Rotation 229–255 Slow to Fast CCW

Basic 33CH (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–5 Open (wheel slot 1) 6–14 Gobo 1 (wheel slot 2) 15–23 Gobo 2 (wheel slot 3) 24–32 Gobo 3 (wheel slot 4) 33–41 Gobo 4 (wheel slot 5) 42–50 Gobo 5 (wheel slot 6) 51–59 Gobo 6 (wheel slot 7) 60–68 Gobo 7 (wheel slot 8) 69–77 Gobo 8 (wheel slot 9) 78–91 Gobo 1 shake 92–105 Gobo 2 shake 106–119 Gobo 3 shake 120–133 Gobo 4 shake 134–147 Gobo 5 shake 148–161 Gobo 6 shake 162–175 Gobo 7 shake 176–189 Gobo 8 shake 190–221 Fast to Slow CW 222–223 No Rotation 224–255 Slow to Fast CCW
12	Prism	0	0–31 No Prism (wheel slot 1) 32–255 6 Linear Prism (wheel slot 2)
13	Prism Rotation	0	0–5 Rot Off 6–127 Index 0-540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast
14	Prism	0	0–31 Open (wheel slot 1) 32–255 3 facet prism (wheel slot 2)
15	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Fast to slow
16	Frost1	0	
17	Iris	0	0–224 open 225–225 closed 226–234 Pulse opening slow to fast 235–235 Pulse opening fast 236–244 Pulse closing slow 245–245 Pulse closing fast 246–254 Iris rotation slow 255–255 Iris rotation fast
18	Zoom	0	0–254 Narrow 255–255 Wide
19	Focus	0	
20	Shaper Rot	128	0–127 0% 128–254 50% 255–255 100%
21	Shaper Rot Fine	0	Fine byte of Shaper Rot
22	Blade1A	0	
23	Blade1B	0	
24	Blade2A	0	
25	Blade2B	0	
26	Blade3A	0	
27	Blade3B	0	
28	Blade4A	0	

Basic 33CH (continued)

Ch	Function	Default	DMX values
29	Blade4B	0	
30	Shutter / Strobe	50	0–31 Shutter closed 32–63 Shutter open1 64–94 min strobe 95–95 max strobe 96–127 Shutter open2 128–158 min pulse 159–159 max pulse 160–191 Shutter open3 192–222 min random 223–223 max random 224–255 Shutter open4
31	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
32	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting
33	Control1	0	0–39 No function(1200 Hz) 40–44 Fan Control - Auto (Default) (Hold 3s) 45–49 Fan Control -High (Hold 3s) 50–54 Fan Control- Low(Hold 3s) 55–59 Dimmer Curve Linear 60–64 Dimmer Curve Square (default) 65–69 Dimmer Curve Inverse Square 70–74 Dimmer Curve S-Curve 75–79 No function 80–84 All motor reset 85–87 P/T motor reset 88–90 CMY motor reset 91–93 Gobo motor reset 94–96 Blade motor reset 97–99 Other motor reset 100–255 No function

Standard 38CH

38 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 min 128–255 Empty Channel Set
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–225 Fast to Slow 226–235 Blackout by movement 236–245 Blackout by all wheel changing 246–255 No function
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	

Standard 38CH (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–9 open (wheel slot 1) 10–19 Gobo1 (wheel slot 2) 20–29 Gobo2 (wheel slot 3) 30–39 Gobo3 (wheel slot 4) 40–49 Gobo4 (wheel slot 5) 50–59 Gobo5 (wheel slot 6) 60–69 Gobo6 (wheel slot 7) 70–79 Gobo7 (wheel slot 8) 80–94 Gobo 1 shake (wheel slot 2) 95–109 Gobo 2 shake (wheel slot 3) 110–124 Gobo 3 shake (wheel slot 4) 125–139 Gobo 4 shake (wheel slot 5) 140–154 Gobo 5 shake (wheel slot 6) 155–169 Gobo 6 shake (wheel slot 7) 170–189 Gobo 7 shake (wheel slot 8) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
11	Gobo Rotation	0	0–127 Indexing 0-540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast CW
12	Color Wheel	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 2) 18–30 Red (wheel slot 3) 31–43 Red / Medium Blue (wheel slot 4) 44–56 Medium Blue (wheel slot 5) 57–69 Medium Blue / Green (wheel slot 6) 70–82 Green (wheel slot 7) 83–95 Green / Amber (wheel slot 8) 96–108 Amber (wheel slot 9) 109–121 Amber / Orange (wheel slot 10) 122–134 Orange (wheel slot 11) 135–147 Orange / High CRI Filter (wheel slot 12) 148–160 High CRI Filter (wheel slot 13) 161–173 High CRI Filter / CTB (wheel slot 14) 174–186 CTB (wheel slot 15) 187–199 CTB / Open (wheel slot 16) 200–226 Fast to Slow CW 227–228 No Rotation 229–255 Slow to Fast CCW
13	Gobo 2	0	0–5 Open (wheel slot 1) 6–14 Gobo 1 (wheel slot 2) 15–23 Gobo 2 (wheel slot 3) 24–32 Gobo 3 (wheel slot 4) 33–41 Gobo 4 (wheel slot 5) 42–50 Gobo 5 (wheel slot 6) 51–59 Gobo 6 (wheel slot 7) 60–68 Gobo 7 (wheel slot 8) 69–77 Gobo 8 (wheel slot 9) 78–91 Gobo 1 shake 92–105 Gobo 2 shake 106–119 Gobo 3 shake 120–133 Gobo 4 shake 134–147 Gobo 5 shake 148–161 Gobo 6 shake 162–175 Gobo 7 shake 176–189 Gobo 8 shake 190–221 Fast to Slow CW 222–223 No Rotation 224–255 Slow to Fast CCW

Standard 38CH (continued)

Ch	Function	Default	DMX values
14	Prism	0	0–31 No Prism (wheel slot 1) 32–255 6 Linear Prism (wheel slot 2)
15	Prism Rotation	0	0–5 Rot Off 6–127 Index 0-540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast
16	Prism	0	0–31 Open (wheel slot 1) 32–255 3 facet prism (wheel slot 2)
17	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Fast to slow
18	Frost1	0	
19	Iris	0	0–224 open 225–225 closed 226–234 Pulse opening slow to fast 235–235 Pulse opening fast 236–244 Pulse closing slow 245–245 Pulse closing fast 246–254 Iris rotation slow 255–255 Iris rotation fast
20	Zoom	0	0–254 Narrow 255–255 Wide
21	Zoom Fine	0	Fine byte of Zoom
22	Focus	0	
23	Focus Fine	0	Fine byte of Focus
24	Shaper Rot	128	0–127 0% 128–254 50% 255–255 100%
25	Shaper Rot Fine	0	Fine byte of Shaper Rot
26	Blade1A	0	
27	Blade1B	0	
28	Blade2A	0	
29	Blade2B	0	
30	Blade3A	0	
31	Blade3B	0	
32	Blade4A	0	
33	Blade4B	0	
34	Shutter / Strobe	50	0–31 Shutter closed 32–63 Shutter open1 64–94 min strobe 95–95 max strobe 96–127 Shutter open2 128–158 min pulse 159–159 max pulse 160–191 Shutter open3 192–222 min random 223–223 max random 224–255 Shutter open4
35	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
36	Dimmer Fine	0	Fine byte of Dimmer

Standard 38CH (continued)

Ch	Function	Default	DMX values
37	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting
38	Control1	0	0–39 No function(1200 Hz) 40–44 Fan Control - Auto (Default) (Hold 3s) 45–49 Fan Control -High (Hold 3s) 50–54 Fan Control- Low(Hold 3s) 55–59 Dimmer Curve Linear 60–64 Dimmer Curve Square (default) 65–69 Dimmer Curve Inverse Square 70–74 Dimmer Curve S-Curve 75–79 No function 80–84 All motor reset 85–87 P/T motor reset 88–90 CMY motor reset 91–93 Gobo motor reset 94–96 Blade motor reset 97–99 Other motor reset 100–255 No function

Extended 43CH

43 channels

Ch	Function	Default	DMX values
1	Pan	128	0–127 min 128–255 Empty Channel Set
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–225 Fast to Slow 226–235 Blackout by movement 236–245 Blackout by all wheel changing 246–255 No function
6	Cyan	0	
7	Cyan Fine	0	Fine byte of Cyan
8	Magenta	0	
9	Magenta Fine	0	Fine byte of Magenta
10	Yellow	0	
11	Yellow Fine	0	Fine byte of Yellow
12	C TO	0	
13	C TO Fine	0	Fine byte of C TO

Extended 43CH (continued)

Ch	Function	Default	DMX values
14	Gobo	0	0–9 open (wheel slot 1) 10–19 Gobo1 (wheel slot 2) 20–29 Gobo2 (wheel slot 3) 30–39 Gobo3 (wheel slot 4) 40–49 Gobo4 (wheel slot 5) 50–59 Gobo5 (wheel slot 6) 60–69 Gobo6 (wheel slot 7) 70–79 Gobo7 (wheel slot 8) 80–94 Gobo 1 shake (wheel slot 2) 95–109 Gobo 2 shake (wheel slot 3) 110–124 Gobo 3 shake (wheel slot 4) 125–139 Gobo 4 shake (wheel slot 5) 140–154 Gobo 5 shake (wheel slot 6) 155–169 Gobo 6 shake (wheel slot 7) 170–189 Gobo 7 shake (wheel slot 8) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
15	Gobo Rotation	0	0–127 Indexing 0-540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast CW
16	Color Wheel	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 2) 18–30 Red (wheel slot 3) 31–43 Red / Medium Blue (wheel slot 4) 44–56 Medium Blue (wheel slot 5) 57–69 Medium Blue / Green (wheel slot 6) 70–82 Green (wheel slot 7) 83–95 Green / Amber (wheel slot 8) 96–108 Amber (wheel slot 9) 109–121 Amber / Orange (wheel slot 10) 122–134 Orange (wheel slot 11) 135–147 Orange / High CRI Filter (wheel slot 12) 148–160 High CRI Filter (wheel slot 13) 161–173 High CRI Filter / CTB (wheel slot 14) 174–186 CTB (wheel slot 15) 187–199 CTB / Open (wheel slot 16) 200–226 Fast to Slow CW 227–228 No Rotation 229–255 Slow to Fast CCW
17	Gobo 2	0	0–5 Open (wheel slot 1) 6–14 Gobo 1 (wheel slot 2) 15–23 Gobo 2 (wheel slot 3) 24–32 Gobo 3 (wheel slot 4) 33–41 Gobo 4 (wheel slot 5) 42–50 Gobo 5 (wheel slot 6) 51–59 Gobo 6 (wheel slot 7) 60–68 Gobo 7 (wheel slot 8) 69–77 Gobo 8 (wheel slot 9) 78–91 Gobo 1 shake 92–105 Gobo 2 shake 106–119 Gobo 3 shake 120–133 Gobo 4 shake 134–147 Gobo 5 shake 148–161 Gobo 6 shake 162–175 Gobo 7 shake 176–189 Gobo 8 shake 190–221 Fast to Slow CW 222–223 No Rotation 224–255 Slow to Fast CCW

Extended 43CH (continued)

Ch	Function	Default	DMX values
18	Prism	0	0–31 No Prism (wheel slot 1) 32–255 6 Linear Prism (wheel slot 2)
19	Prism Rotation	0	0–5 Rot Off 6–127 Index 0-540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast
20	Prism	0	0–31 Open (wheel slot 1) 32–255 3 facet prism (wheel slot 2)
21	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Fast to slow
22	Frost1	0	
23	Iris	0	0–224 open 225–225 closed 226–234 Pulse opening slow to fast 235–235 Pulse opening fast 236–244 Pulse closing slow 245–245 Pulse closing fast 246–254 Iris rotation slow 255–255 Iris rotation fast
24	Iris Fine	0	Fine byte of Iris
25	Zoom	0	0–254 Narrow 255–255 Wide
26	Zoom Fine	0	Fine byte of Zoom
27	Focus	0	
28	Focus Fine	0	Fine byte of Focus
29	Shaper Rot	128	0–127 0% 128–254 50% 255–255 100%
30	Shaper Rot Fine	0	Fine byte of Shaper Rot
31	Blade1A	0	
32	Blade1B	0	
33	Blade2A	0	
34	Blade2B	0	
35	Blade3A	0	
36	Blade3B	0	
37	Blade4A	0	
38	Blade4B	0	
39	Shutter / Strobe	50	0–31 Shutter closed 32–63 Shutter open1 64–94 min strobe 95–95 max strobe 96–127 Shutter open2 128–158 min pulse 159–159 max pulse 160–191 Shutter open3 192–222 min random 223–223 max random 224–255 Shutter open4
40	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
41	Dimmer Fine	0	Fine byte of Dimmer

Extended 43CH (continued)

Ch	Function	Default	DMX values
42	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting
43	Control1	0	0–39 No function(1200 Hz) 40–44 Fan Control - Auto (Default) (Hold 3s) 45–49 Fan Control -High (Hold 3s) 50–54 Fan Control- Low(Hold 3s) 55–59 Dimmer Curve Linear 60–64 Dimmer Curve Square (default) 65–69 Dimmer Curve Inverse Square 70–74 Dimmer Curve S-Curve 75–79 No function 80–84 All motor reset 85–87 P/T motor reset 88–90 CMY motor reset 91–93 Gobo motor reset 94–96 Blade motor reset 97–99 Other motor reset 100–255 No function