CKC Lighting

Gobo Projector 400



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**29, 49 channels**
Beam angle	**6-44°**
Tilt range	**360°**
Size (W × H × D)	**294 × 584 × 290 mm**
GDTF fixture type	**9D75A3F6-D697-4F72-A818-24…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Standard 29CH	29 ch
Extended 49CH	49 ch

Standard 29CH

29 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	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
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	C TO	0	
8	Color Wheel	0	0–5 Colour off (open) (wheel slot 1) 6–11 Red (wheel slot 2) 12–17 Blue (wheel slot 3) 18–23 Green (wheel slot 4) 24–29 Yellow (wheel slot 5) 30–35 CTB (wheel slot 6) 36–41 CRI (wheel slot 7) 42–47 Colour off (open) (wheel slot 1) 48–127 Color Index 128–190 Fast to Slow CW 191–192 Stop 193–255 Slow to Fast CCW
9	Gobo	0	0–6 open (wheel slot 1) 7–13 Gobo1 (wheel slot 2) 14–20 Gobo2 (wheel slot 3) 21–27 Gobo3 (wheel slot 4) 28–34 Gobo4 (wheel slot 5) 35–41 Gobo5 (wheel slot 6) 42–48 Gobo6 (wheel slot 7) 49–55 Gobo7 (wheel slot 8) 56–62 Gobo 1 shake (wheel slot 2) 63–69 Gobo 2 shake (wheel slot 3) 70–76 Gobo 3 shake (wheel slot 4) 77–83 Gobo 4 shake (wheel slot 5) 84–90 Gobo 5 shake (wheel slot 6) 91–97 Gobo 6 shake (wheel slot 7) 98–104 Gobo 7 shake (wheel slot 8) 105–178 Fast to Slow CW 179–181 Stop 182–255 Slow to Fast CCW
10	Gobo Rotation	0	0–127 indexing 128–190 Fast to Slow CW 191–192 No Rotation 193–255 Slow to Fast CW

Standard 29CH (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–6 Open (wheel slot 1) 7–13 Gobo 1 (wheel slot 2) 14–20 Gobo 2 (wheel slot 3) 21–27 Gobo 3 (wheel slot 4) 28–34 Gobo 4 (wheel slot 5) 35–41 Gobo 5 (wheel slot 6) 42–48 Gobo 6 (wheel slot 7) 49–55 Gobo 7 (wheel slot 8) 56–62 Gobo 8 (wheel slot 9) 63–69 Gobo 1 shake (wheel slot 2) 70–76 Gobo 2 shake (wheel slot 3) 77–83 Gobo 3 shake (wheel slot 4) 84–90 Gobo 4 shake (wheel slot 5) 91–97 Gobo 5 shake (wheel slot 6) 98–104 Gobo 6 shake (wheel slot 7) 105–111 Gobo 7 shake (wheel slot 8) 112–118 Gobo 8 shake (wheel slot 9) 119–185 Fast to Slow CW 186–188 No Rotation 189–255 Slow to Fast CCW
12	Prism	0	0–5 No Prism (wheel slot 1) 6–127 3 Facet Prism (wheel slot 2) 128–255 6 Line Prism (wheel slot 3)
13	Prism Rotation	0	0–127 Index 0-540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast
14	Focus	0	
15	Zoom	0	0–254 Narrow 255–255 Wide
16	Iris	0	0–190 open 191–191 closed 192–223 Pulse opening fast to slow 224–255 Pulse closing slow to fast
17	Frost1	0	
18	Animation Wheel1	0	0–5 open 6–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
19	Blade1A	0	
20	Blade1B	0	
21	Blade2A	0	
22	Blade2B	0	
23	Blade3A	0	
24	Blade3B	0	
25	Blade4A	0	
26	Blade4B	0	
27	Shaper Rot	128	0–127 0% 128–254 50% 255–255 100%

Standard 29CH (continued)

Ch	Function	Default	DMX values
28	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
29	Control1	0	0–30 No function(1200 Hz) 31–40 Fan Mode Auto (Hold 3s) 41–50 Fan Mode High (Hold 3s) 51–60 Fan Mode Low (Default) (Hold 3s) 61–70 All motor Reset (Hold 3s) 71–80 Gobo/Color Reset (Hold 3s) 81–90 Focus Reset (Hold 3s) 91–100 Other motors Reset (Hold 3s) 101–105 900 Hz 106–110 1000 Hz 111–115 1100 Hz 116–120 1200 Hz 121–125 1300 Hz 126–130 1400 Hz 131–135 1500 Hz 136–140 2500 Hz 141–145 4000 Hz 146–150 5000 Hz 151–155 10000 Hz 156–160 15000 Hz 161–165 20000 Hz 166–170 25000 Hz 171–180 Dimmer Curve Linear(Hold 3s) 181–190 Dimmer Curve Square(Hold 3s) 191–200 Dimmer Curve Inverse Square (Hold 3s) 201–210 Dimmer Curve S-Curve (Hold 3s) 211–255 No function

Extended 49CH

49 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	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
4	Cyan	0	
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	
9	Yellow Fine	0	Fine byte of Yellow

Extended 49CH (continued)

Ch	Function	Default	DMX values
10	C TO	0	
11	C TO Fine	0	Fine byte of C TO
12	Color Wheel	0	0–5 Colour off (open) (wheel slot 1) 6–11 Red (wheel slot 2) 12–17 Blue (wheel slot 3) 18–23 Green (wheel slot 4) 24–29 Yellow (wheel slot 5) 30–35 CTB (wheel slot 6) 36–41 CRI (wheel slot 7) 42–47 Colour off (open) (wheel slot 1) 48–127 Color Index 128–190 Fast to Slow CW 191–192 Stop 193–255 Slow to Fast CCW
13	Gobo	0	0–6 open (wheel slot 1) 7–13 Gobo1 (wheel slot 2) 14–20 Gobo2 (wheel slot 3) 21–27 Gobo3 (wheel slot 4) 28–34 Gobo4 (wheel slot 5) 35–41 Gobo5 (wheel slot 6) 42–48 Gobo6 (wheel slot 7) 49–55 Gobo7 (wheel slot 8) 56–62 Gobo 1 shake (wheel slot 2) 63–69 Gobo 2 shake (wheel slot 3) 70–76 Gobo 3 shake (wheel slot 4) 77–83 Gobo 4 shake (wheel slot 5) 84–90 Gobo 5 shake (wheel slot 6) 91–97 Gobo 6 shake (wheel slot 7) 98–104 Gobo 7 shake (wheel slot 8) 105–178 Fast to Slow CW 179–181 Stop 182–255 Slow to Fast CCW
14	Gobo Rotation	0	0–126 indexing 127–189 Fast to Slow CW 190–191 No Rotation 192–255 Slow to Fast CW
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–6 Open (wheel slot 1) 7–13 Gobo 1 (wheel slot 2) 14–20 Gobo 2 (wheel slot 3) 21–27 Gobo 3 (wheel slot 4) 28–34 Gobo 4 (wheel slot 5) 35–41 Gobo 5 (wheel slot 6) 42–48 Gobo 6 (wheel slot 7) 49–55 Gobo 7 (wheel slot 8) 56–62 Gobo 8 (wheel slot 9) 63–69 Gobo 1 shake (wheel slot 2) 70–76 Gobo 2 shake (wheel slot 3) 77–83 Gobo 3 shake (wheel slot 4) 84–90 Gobo 4 shake (wheel slot 5) 91–97 Gobo 5 shake (wheel slot 6) 98–104 Gobo 6 shake (wheel slot 7) 105–111 Gobo 7 shake (wheel slot 8) 112–118 Gobo 8 shake (wheel slot 9) 119–185 Fast to Slow CW 186–188 No Rotation 189–255 Slow to Fast CCW
17	Prism	0	0–5 No Prism (wheel slot 1) 6–127 3 Facet Prism (wheel slot 2) 128–255 6 Line Prism (wheel slot 3)

Extended 49CH (continued)

Ch	Function	Default	DMX values
18	Prism Rotation	0	0–126 Index 0-540 127–188 Fast to Slow CW 189–192 No Rotation 193–255 Slow to Fast
19	Prism Rotation Fine	0	Fine byte of Prism Rotation
20	Focus	0	
21	Focus Fine	0	Fine byte of Focus
22	Zoom	0	0–254 Narrow 255–255 Wide
23	Zoom Fine	0	Fine byte of Zoom
24	Iris	0	0–190 open 191–222 closed 223–255 Pulse closing slow to fast
25	Iris Fine	0	Fine byte of Iris
26	Frost1	0	
27	Animation Wheel1	0	0–5 open 6–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
28	Blade1A	0	
29	Blade1A Fine	0	Fine byte of Blade1A
30	Blade1B	0	
31	Blade1B Fine	0	Fine byte of Blade1B
32	Blade2A	0	
33	Blade2A Fine	0	Fine byte of Blade2A
34	Blade2B	0	
35	Blade2B Fine	0	Fine byte of Blade2B
36	Blade3A	0	
37	Blade3A Fine	0	Fine byte of Blade3A
38	Blade3B	0	
39	Blade3B Fine	0	Fine byte of Blade3B
40	Blade4A	0	
41	Blade4A Fine	0	Fine byte of Blade4A
42	Blade4B	0	
43	Blade4B Fine	0	Fine byte of Blade4B
44	Shaper Rot	128	0–127 0% 128–254 50% 255–255 100%
45	Shaper Rot Fine	0	Fine byte of Shaper Rot
46	Frame MSpeed	0	

Extended 49CH (continued)

Ch	Function	Default	DMX values
47	Shaper Macros	0	0–7 Off 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Macro 31
48	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting

Extended 49CH (continued)

Ch	Function	Default	DMX values
49	Control1	0	0–30 No function(1200 Hz) 31–40 Fan Mode Auto (Hold 3s) 41–50 Fan Mode High (Hold 3s) 51–60 Fan Mode Low (Default) (Hold 3s) 61–70 All motor Reset (Hold 3s) 71–80 Gobo/Color Reset (Hold 3s) 81–90 Focus Reset (Hold 3s) 91–100 Other motors Reset (Hold 3s) 101–105 900 Hz 106–110 1000 Hz 111–115 1100 Hz 116–120 1200 Hz 121–125 1300 Hz 126–130 1400 Hz 131–135 1500 Hz 136–140 2500 Hz 141–145 4000 Hz 146–150 5000 Hz 151–155 10000 Hz 156–160 15000 Hz 161–165 20000 Hz 166–170 25000 Hz 171–180 Dimmer Curve Linear(Hold 3s) 181–190 Dimmer Curve Square(Hold 3s) 191–200 Dimmer Curve Inverse Square (Hold 3s) 201–210 Dimmer Curve S-Curve (Hold 3s) 211–255 No function