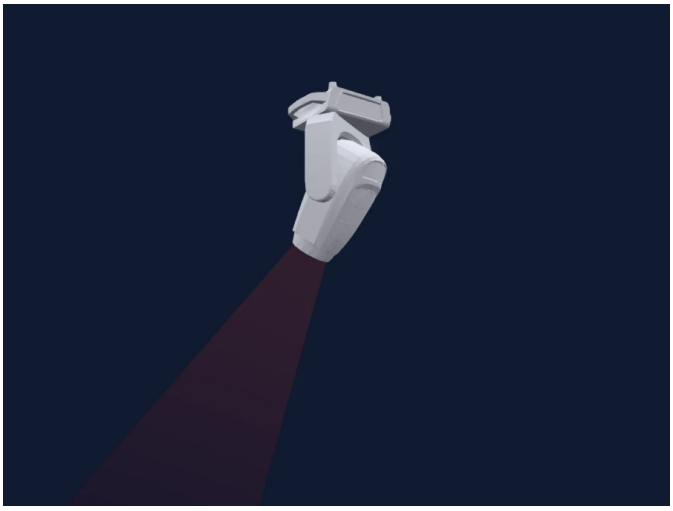
CKC Lighting

CKC V4s



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**24, 29, 34 channels**
Beam angle	**7-50°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**283 × 460 × 241 mm**
GDTF fixture type	**A1937D3F-E335-4FB9-93DD-EA…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic 24CH	24 ch
Standard 29CH	29 ch
Extended 34CH	34 ch

Basic 24CH

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–225 Max to Min speed 226–235 blackout by movement 236–255 no function
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	C TO	0	0–254 6500K 255–255 2700K
8	Gobo	0	0–9 Open/Hole (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (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	0–126 Indexing 0 127–127 Indexing 540 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to Fast CCW
10	Color Wheel	0	0–4 Open / white (wheel slot 1) 5–17 Open -Colour1 (wheel slot 2) 18–30 Colour 1 (wheel slot 3) 31–43 Colour 1-Colour2 (wheel slot 4) 44–56 Colour 2 (wheel slot 5) 57–69 Colour2 -Colour3 (wheel slot 6) 70–82 Colour 3 (wheel slot 7) 83–95 Colour3 -Colour4 (wheel slot 8) 96–108 Colour 4 (wheel slot 9) 109–121 Colour4 -Colour5 (wheel slot 10) 122–134 Colour 5 (wheel slot 11) 135–147 Colour5 -Colour6 (wheel slot 12) 148–160 Colour 6 (wheel slot 13) 161–173 Colour6-Colour7 (wheel slot 14) 174–186 Colour 7 (wheel slot 15) 187–199 Colour7 -Colour8 (wheel slot 16) 200–226 Fast to Slow CW 227–228 Stop 229–255 Slow to Fast CCW

Basic 24CH (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 (wheel slot 2) 92–105 Gobo 2 shake (wheel slot 3) 106–119 Gobo 3 shake (wheel slot 4) 120–133 Gobo 4 shake (wheel slot 5) 134–147 Gobo 5 shake (wheel slot 6) 148–161 Gobo 6 shake (wheel slot 7) 162–175 Gobo 7 shake (wheel slot 8) 176–189 Gobo 8 shake (wheel slot 9) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
12	Animation Wheel1	0	0–127 No function 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
13	Prism	0	0–31 No Prism (wheel slot 1) 32–255 6 Liner Prism (wheel slot 2)
14	Prism Rotation	0	0–127 Indexing 128–189 Fast to Slow CW 190–193 Stop 194–255 Slow to Fast CCW
15	Prism	0	0–31 Open (wheel slot 1) 32–255 3 Facet Prism (wheel slot 2)
16	Prism Rotation	0	0–127 Indexing 128–189 Slow to Fast CW 190–193 Stop 194–255 Fast to Slow CCW
17	Frost1	0	0–225 0-100%(Linear) 226–235 Pulse opening fast to slow 236–245 Pulse closing slow to fast 246–255 100%
18	Iris	0	0–225 0-100%(Linear) 226–235 Pulse opening fast to slow 236–245 Pulse closing slow to fast 246–255 Iris random slow to fast
19	Zoom	128	0–254 Wide 255–255 Narrow
20	Focus	0	0–254 Far 255–255 Near
21	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

Basic 24CH (continued)

Ch	Function	Default	DMX values
22	Dimmer	0	0–254 Closed 255–255 Open
23	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–100 Architectural 101–255 Default to Unit Setting
24	Control1	0	0–79 No function 80–84 All motor reset(Hold 3s) 85–87 Pan/Tilt motor reset(Hold 3s) 88–90 CMY motor reset(Hold 3s) 91–93 Gobo motor reset (Hold 3s) 94–96 Other motor reset (Hold 3s) 97–255 No function

Standard 29CH

29 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	Position MSpeed	0	0–225 Max to Min speed 226–235 blackout by movement 236–255 no function
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	0–254 6500K 255–255 2700K
10	Gobo	0	0–9 Open/Hole (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (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	0–126 Indexing 0 127–127 Indexing 540 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to Fast CCW

Standard 29CH (continued)

Ch	Function	Default	DMX values
12	Color Wheel	0	0–4 Open / white (wheel slot 1) 5–17 Open -Colour1 (wheel slot 2) 18–30 Colour 1 (wheel slot 3) 31–43 Colour 1-Colour2 (wheel slot 4) 44–56 Colour 2 (wheel slot 5) 57–69 Colour2 -Colour3 (wheel slot 6) 70–82 Colour 3 (wheel slot 7) 83–95 Colour3 -Colour4 (wheel slot 8) 96–108 Colour 4 (wheel slot 9) 109–121 Colour4 -Colour5 (wheel slot 10) 122–134 Colour 5 (wheel slot 11) 135–147 Colour5 -Colour6 (wheel slot 12) 148–160 Colour 6 (wheel slot 13) 161–173 Colour6-Colour7 (wheel slot 14) 174–186 Colour 7 (wheel slot 15) 187–199 Colour7 -Colour8 (wheel slot 16) 200–226 Fast to Slow CW 227–228 Stop 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 (wheel slot 2) 92–105 Gobo 2 shake (wheel slot 3) 106–119 Gobo 3 shake (wheel slot 4) 120–133 Gobo 4 shake (wheel slot 5) 134–147 Gobo 5 shake (wheel slot 6) 148–161 Gobo 6 shake (wheel slot 7) 162–175 Gobo 7 shake (wheel slot 8) 176–189 Gobo 8 shake (wheel slot 9) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
14	Animation Wheel1	0	0–127 No function 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
15	Prism	0	0–31 No Prism (wheel slot 1) 32–255 6 Liner Prism (wheel slot 2)
16	Prism Rotation	0	0–127 Indexing 128–189 Fast to Slow CW 190–193 Stop 194–255 Slow to Fast CCW
17	Prism	0	0–31 Open (wheel slot 1) 32–255 3 Facet Prism (wheel slot 2)
18	Prism Rotation	0	0–127 Indexing 128–189 Slow to Fast CW 190–193 Stop 194–255 Fast to Slow CCW
19	Frost1	0	0–225 0-100%(Linear) 226–235 Pulse opening fast to slow 236–245 Pulse closing slow to fast 246–255 100%

Standard 29CH (continued)

Ch	Function	Default	DMX values
20	Iris	0	0–225 0-100%(Linear) 226–235 Pulse opening fast to slow 236–245 Pulse closing slow to fast 246–255 Iris random slow to fast
21	Zoom	128	0–254 Wide 255–255 Narrow
22	Zoom Fine	0	Fine byte of Zoom
23	Focus	0	0–254 Far 255–255 Near
24	Focus Fine	0	Fine byte of Focus
25	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
26	Dimmer	0	0–254 Closed 255–255 Open
27	Dimmer Fine	0	Fine byte of Dimmer
28	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–100 Architectural 101–255 Default to Unit Setting
29	Control1	0	0–79 No function 80–84 All motor reset(Hold 3s) 85–87 Pan/Tilt motor reset(Hold 3s) 88–90 CMY motor reset(Hold 3s) 91–93 Gobo motor reset (Hold 3s) 94–96 Other motor reset (Hold 3s) 97–255 No function

Extended 34CH

34 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	Position MSpeed	0	0–225 Max to Min speed 226–235 blackout by movement 236–255 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

Extended 34CH (continued)

Ch	Function	Default	DMX values
12	C TO	0	0–254 6500K 255–255 2700K
13	C TO Fine	0	Fine byte of C TO
14	Gobo	0	0–9 Open/Hole (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (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	0–126 Indexing 0 127–127 Indexing 540 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to Fast CCW
16	Color Wheel	0	0–4 Open / white (wheel slot 1) 5–17 Open -Colour1 (wheel slot 2) 18–30 Colour 1 (wheel slot 3) 31–43 Colour 1-Colour2 (wheel slot 4) 44–56 Colour 2 (wheel slot 5) 57–69 Colour2 -Colour3 (wheel slot 6) 70–82 Colour 3 (wheel slot 7) 83–95 Colour3 -Colour4 (wheel slot 8) 96–108 Colour 4 (wheel slot 9) 109–121 Colour4 -Colour5 (wheel slot 10) 122–134 Colour 5 (wheel slot 11) 135–147 Colour5 -Colour6 (wheel slot 12) 148–160 Colour 6 (wheel slot 13) 161–173 Colour6-Colour7 (wheel slot 14) 174–186 Colour 7 (wheel slot 15) 187–199 Colour7 -Colour8 (wheel slot 16) 200–226 Fast to Slow CW 227–228 Stop 229–255 Slow to Fast CCW

Extended 34CH (continued)

Ch	Function	Default	DMX values
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 (wheel slot 2) 92–105 Gobo 2 shake (wheel slot 3) 106–119 Gobo 3 shake (wheel slot 4) 120–133 Gobo 4 shake (wheel slot 5) 134–147 Gobo 5 shake (wheel slot 6) 148–161 Gobo 6 shake (wheel slot 7) 162–175 Gobo 7 shake (wheel slot 8) 176–189 Gobo 8 shake (wheel slot 9) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
18	Animation Wheel1	0	0–127 No function 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
19	Prism	0	0–31 No Prism (wheel slot 1) 32–255 6 Liner Prism (wheel slot 2)
20	Prism Rotation	0	0–127 Indexing 128–189 Fast to Slow CW 190–193 Stop 194–255 Slow to Fast CCW
21	Prism	0	0–31 Open (wheel slot 1) 32–255 3 Facet Prism (wheel slot 2)
22	Prism Rotation	0	0–127 Indexing 128–189 Slow to Fast CW 190–193 Stop 194–255 Fast to Slow CCW
23	Frost1	0	0–225 0-100%(Linear) 226–235 Pulse opening fast to slow 236–245 Pulse closing slow to fast 246–255 100%
24	Iris	0	0–225 0-100%(Linear) 226–235 Pulse opening fast to slow 236–245 Pulse closing slow to fast 246–255 Iris random slow to fast
25	Iris Fine	0	Fine byte of Iris
26	Zoom	128	0–254 Wide 255–255 Narrow
27	Zoom Fine	0	Fine byte of Zoom
28	Focus	0	0–254 Far 255–255 Near
29	Focus Fine	0	Fine byte of Focus

Extended 34CH (continued)

Ch	Function	Default	DMX values
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 Closed 255–255 Open
32	Dimmer Fine	0	Fine byte of Dimmer
33	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–100 Architectural 101–255 Default to Unit Setting
34	Control1	0	0–79 No function 80–84 All motor reset(Hold 3s) 85–87 Pan/Tilt motor reset(Hold 3s) 88–90 CMY motor reset(Hold 3s) 91–93 Gobo motor reset (Hold 3s) 94–96 Other motor reset (Hold 3s) 97–255 No function