CKC Lighting

Proxima Hybrid



Manufacturer	**CKC Lighting**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**29, 36 channels**
Beam angle	**0.9-22.5°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**315 × 500 × 286 mm**
GDTF fixture type	**EA1D1CFD-EB70-4A2B-A4DB-C…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Standard 29CH	29 ch
Extended 36CH	36 ch

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	Pan Rotate	0	0–126 No function 127–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
6	Dimmer	0	0–254 closed 255–255 open
7	Dimmer Fine	0	Fine byte of Dimmer
8	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 strobe 223–223 max random strobe 224–255 Shutter open4
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	Color Wheel	0	0–5 Colour off (open) 6–118 Color index 119–120 open (wheel slot 1) 121–124 Color 1 (wheel slot 2) 125–128 Color 2 (wheel slot 3) 129–132 Color 3 (wheel slot 4) 133–136 Color 4 (wheel slot 5) 137–140 Color 5 (wheel slot 6) 141–144 Color 6 (wheel slot 7) 145–148 Color 7 (wheel slot 8) 149–152 Color 8 (wheel slot 9) 153–156 Color 9 (wheel slot 10) 157–160 Color 10 (wheel slot 11) 161–164 Color 11 (wheel slot 12) 165–168 Color 12 (wheel slot 13) 169–172 Color 13 (wheel slot 14) 173–176 Color 14 (wheel slot 15) 177–180 Color 15 (wheel slot 16) 181–184 Color 16 (wheel slot 17) 185–188 Color 17 (wheel slot 18) 189–192 Colour off (open) (wheel slot 1) 193–223 Fast to slow CW 224–224 Stop 225–255 Slow to fast CCW
13	Color Wheel Fine	0	Fine byte of Color Wheel

Standard 29CH (continued)

Ch	Function	Default	DMX values
14	Gobo	0	0–2 Beam Mode (wheel slot 1) 3–5 Spot Mode (wheel slot 1) 6–10 Gobo 1 (wheel slot 2) 11–15 Gobo 2 (wheel slot 3) 16–20 Gobo 3 (wheel slot 4) 21–25 Gobo 4 (wheel slot 5) 26–30 Gobo 5 (wheel slot 6) 31–35 Gobo 6 (wheel slot 7) 36–40 Gobo 7 (wheel slot 8) 41–45 Gobo 8 (wheel slot 9) 46–50 Gobo 9 (wheel slot 10) 51–55 Gobo 10 (wheel slot 11) 56–60 Gobo 11 (wheel slot 12) 61–65 Gobo 12 (wheel slot 13) 66–75 Gobo 1 shake (wheel slot 2) 76–85 Gobo 2 shake (wheel slot 3) 86–95 Gobo 3 shake (wheel slot 4) 96–105 Gobo 4 shake (wheel slot 5) 106–115 Gobo 5 shake (wheel slot 6) 116–125 Gobo 6 shake (wheel slot 7) 126–135 Gobo 7 shaket (wheel slot 8) 136–145 Gobo 8 shake (wheel slot 9) 146–155 Gobo 9 shake (wheel slot 10) 156–165 Gobo 10 shake (wheel slot 11) 166–175 Gobo 11 shake (wheel slot 12) 176–185 Gobo 12 shake (wheel slot 13) 186–192 open (wheel slot 1) 193–223 Fast to slow CW 224–224 Stop 225–255 Slow to fast
15	Gobo Rotation	0	0–5 Rot Off 6–128 Position 0- 540 129–191 Slow to fast CW 192–192 Stop 193–255 Fast to slow CCW
16	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard 29CH (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–5 Open (wheel slot 1) 6–10 Gobo 1 (wheel slot 2) 11–14 Gobo 2 (wheel slot 3) 15–18 Gobo 3 (wheel slot 4) 19–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–30 Gobo 6 (wheel slot 7) 31–34 Gobo7 (wheel slot 8) 35–38 Gobo 8 (wheel slot 9) 39–42 Gobo 9 (wheel slot 10) 43–46 Gobo 10 (wheel slot 11) 47–50 Gobo 11 (wheel slot 12) 51–54 Gobo 12 (wheel slot 13) 55–58 Gobo 13 (wheel slot 14) 59–62 Gobo 14 (wheel slot 15) 63–66 Gobo 15 (wheel slot 16) 67–70 Gobo 16 (wheel slot 17) 71–74 Gobo 17 (wheel slot 18) 75–78 Gobo 18 (wheel slot 19) 79–82 Gobo 19 (wheel slot 20) 83–86 Gobo 20 (wheel slot 21) 87–90 Gobo 21 (wheel slot 22) 91–94 Gobo 22 (wheel slot 23) 95–98 open (wheel slot 24) 99–102 Gobo 1 shake (wheel slot 2) 103–106 Gobo 2 shake (wheel slot 3) 107–110 Gobo 3 shake (wheel slot 4) 111–114 Gobo 4 shake (wheel slot 5) 115–118 Gobo 5 shake (wheel slot 6) 119–122 Gobo 6 shake (wheel slot 7) 123–126 Gobo 7 shake (wheel slot 8) 127–130 Gobo 8 shake (wheel slot 9) 131–134 Gobo 9 shake (wheel slot 10) 135–138 Gobo 10 shake (wheel slot 11) 139–142 Gobo 11 shake (wheel slot 12) 143–146 Gobo 12 shake (wheel slot 13) 147–150 Gobo 13 shake (wheel slot 14) 151–154 Gobo 14 shake (wheel slot 15) 155–158 Gobo 15 shake (wheel slot 16) 159–162 Gobo 16 shake (wheel slot 17) 163–166 Gobo 17 shake (wheel slot 18) 167–170 Gobo 18 shake (wheel slot 19) 171–174 Gobo 19 shake (wheel slot 20) 175–178 Gobo 20 shake (wheel slot 21) 179–182 Gobo 21 shake (wheel slot 22) 183–186 Gobo 22 shake (wheel slot 23) 187–190 White shake (wheel slot 24) 191–192 open (wheel slot 1) 193–224 Fast to slow CW 225–226 Stop 227–255 Slow to fast CCW
18	Zoom	128	
19	Zoom Fine	0	Fine byte of Zoom
20	Focus	0	
21	Focus Fine	0	Fine byte of Focus
22	Prism	0	0–5 No Prism (wheel slot 1) 6–255 6 Linear Prism (wheel slot 2)

Standard 29CH (continued)

Ch	Function	Default	DMX values
23	Prism Rotation	0	0–5 Rot Off 6–128 Position 0- 540 129–191 Fast to Slow CW 192–192 Stop 193–255 Slow to Fast CCW
24	Prism	0	0–5 No function 6–85 8 face Prism 86–165 12 face Prism 166–255 24 face Prism
25	Prism Rotation	0	0–5 Rot Off 6–128 Position 0-540 129–191 Fast to Slow CW 192–192 Stop 193–255 Slow to Fast CCW
26	Frost1	0	
27	Animation Wheel1	0	0–5 Rot Off 6–128 Position 0-540 129–191 Fast to Slow CW 192–192 Stop 193–255 Slow to Fast CCW
28	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 No Function
29	Control1	0	0–5 No function 6–10 On Display Backlight(Hold 3s) 11–15 OFF Display Backlight(Hold 3s) 16–20 Invert Pan off (Hold 3s) 21–25 Invert Pan on (Hold 3s) 26–30 Invert Tilt off (Hold 3s) 31–35 Invert Tilt on (Hold 3s) 36–40 Fan Auto (Hold 3s) 41–45 Fan Silent (Hold 3s) 46–50 Fan High (Hold 3s) 51–55 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) 121–155 No function 156–160 Factory Default(Hold 3s) 161–255 No function

Extended 36CH

36 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan

Extended 36CH (continued)

Ch	Function	Default	DMX values
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	0–126 No function 127–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
6	Dimmer	0	0–254 closed 255–255 open
7	Dimmer Fine	0	Fine byte of Dimmer
8	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 strobe 223–223 max random strobe 224–255 Shutter open4
9	Cyan	0	
10	Cyan Fine	0	Fine byte of Cyan
11	Magenta	0	
12	Magenta Fine	0	Fine byte of Magenta
13	Yellow	0	
14	Yellow Fine	0	Fine byte of Yellow
15	Color1Wheel Index	0	0–5 Colour off (open) 6–118 Color index 119–120 open (wheel slot 1) 121–124 Color 1 (wheel slot 2) 125–128 Color 2 (wheel slot 3) 129–132 Color 3 (wheel slot 4) 133–136 Color 4 (wheel slot 5) 137–140 Color 5 (wheel slot 6) 141–144 Color 6 (wheel slot 7) 145–148 Color 7 (wheel slot 8) 149–152 Color 8 (wheel slot 9) 153–156 Color 9 (wheel slot 10) 157–160 Color 10 (wheel slot 11) 161–164 Color 11 (wheel slot 12) 165–168 Color 12 (wheel slot 13) 169–172 Color 13 (wheel slot 14) 173–176 Color 14 (wheel slot 15) 177–180 Color 15 (wheel slot 16) 181–184 Color 16 (wheel slot 17) 185–188 Color 17 (wheel slot 18) 189–192 Colour off (open) (wheel slot 1) 193–223 Fast to slow CW 224–224 Stop 225–255 Slow to fast CCW
16	Color1Wheel Index Fine	0	Fine byte of Color1Wheel Index

Extended 36CH (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–2 Beam Mode (wheel slot 1) 3–5 Spot Mode (wheel slot 1) 6–10 Gobo 1 (wheel slot 2) 11–15 Gobo 2 (wheel slot 3) 16–20 Gobo 3 (wheel slot 4) 21–25 Gobo 4 (wheel slot 5) 26–30 Gobo 5 (wheel slot 6) 31–35 Gobo 6 (wheel slot 7) 36–40 Gobo 7 (wheel slot 8) 41–45 Gobo 8 (wheel slot 9) 46–50 Gobo 9 (wheel slot 10) 51–55 Gobo 10 (wheel slot 11) 56–60 Gobo 11 (wheel slot 12) 61–65 Gobo 12 (wheel slot 13) 66–75 Gobo 1 shake (wheel slot 2) 76–85 Gobo 2 shake (wheel slot 3) 86–95 Gobo 3 shake (wheel slot 4) 96–105 Gobo 4 shake (wheel slot 5) 106–115 Gobo 5 shake (wheel slot 6) 116–125 Gobo 6 shake (wheel slot 7) 126–135 Gobo 7 shaket (wheel slot 8) 136–145 Gobo 8 shake (wheel slot 9) 146–155 Gobo 9 shake (wheel slot 10) 156–165 Gobo 10 shake (wheel slot 11) 166–175 Gobo 11 shake (wheel slot 12) 176–185 Gobo 12 shake (wheel slot 13) 186–192 open (wheel slot 1) 193–223 Fast to slow CW 224–224 Stop 225–255 Slow to fast
18	Gobo Rotation	0	0–5 Rot Off 6–128 Position 0- 540 129–191 Slow to fast CW 192–192 Stop 193–255 Fast to slow CCW
19	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended 36CH (continued)

Ch	Function	Default	DMX values
20	Gobo 2	0	0–5 Open (wheel slot 1) 6–10 Gobo 1 (wheel slot 2) 11–14 Gobo 2 (wheel slot 3) 15–18 Gobo 3 (wheel slot 4) 19–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–30 Gobo 6 (wheel slot 7) 31–34 Gobo7 (wheel slot 8) 35–38 Gobo 8 (wheel slot 9) 39–42 Gobo 9 (wheel slot 10) 43–46 Gobo 10 (wheel slot 11) 47–50 Gobo 11 (wheel slot 12) 51–54 Gobo 12 (wheel slot 13) 55–58 Gobo 13 (wheel slot 14) 59–62 Gobo 14 (wheel slot 15) 63–66 Gobo 15 (wheel slot 16) 67–70 Gobo 16 (wheel slot 17) 71–74 Gobo 17 (wheel slot 18) 75–78 Gobo 18 (wheel slot 19) 79–82 Gobo 19 (wheel slot 20) 83–86 Gobo 20 (wheel slot 21) 87–90 Gobo 21 (wheel slot 22) 91–94 Gobo 22 (wheel slot 23) 95–98 open1 (wheel slot 24) 99–102 Gobo 1 shake (wheel slot 2) 103–106 Gobo 2 shake (wheel slot 3) 107–110 Gobo 3 shake (wheel slot 4) 111–114 Gobo 4 shake (wheel slot 5) 115–118 Gobo 5 shake (wheel slot 6) 119–122 Gobo 6 shake (wheel slot 7) 123–126 Gobo 7 shake (wheel slot 8) 127–130 Gobo 8 shake (wheel slot 9) 131–134 Gobo 9 shake (wheel slot 10) 135–138 Gobo 10 shake (wheel slot 11) 139–142 Gobo 11 shake (wheel slot 12) 143–146 Gobo 12 shake (wheel slot 13) 147–150 Gobo 13 shake (wheel slot 14) 151–154 Gobo 14 shake (wheel slot 15) 155–158 Gobo 15 shake (wheel slot 16) 159–162 Gobo 16 shake (wheel slot 17) 163–166 Gobo 17 shake (wheel slot 18) 167–170 Gobo 18 shake (wheel slot 19) 171–174 Gobo 19 shake (wheel slot 20) 175–178 Gobo 20 shake (wheel slot 21) 179–182 Gobo 21 shake (wheel slot 22) 183–186 Gobo 22 shake (wheel slot 23) 187–190 White shake (wheel slot 24) 191–192 open (wheel slot 1) 193–224 Fast to slow CW 225–226 Stop 227–255 Slow to fast CCW
21	Zoom	128	
22	Zoom Fine	0	Fine byte of Zoom
23	Focus	0	
24	Focus Fine	0	Fine byte of Focus
25	Prism	0	0–5 No Prism (wheel slot 1) 6–255 6 Linear Prism (wheel slot 2)

Extended 36CH (continued)

Ch	Function	Default	DMX values
26	Prism Rotation	0	0–5 Rot Off 6–128 Position 0- 540 129–191 Fast to Slow CW 192–192 Stop 193–255 Slow to Fast CCW
27	Prism Rotation Fine	0	Fine byte of Prism Rotation
28	Prism	0	0–5 No function 6–85 8 face Prism 86–165 12 face Prism 166–255 24 face Prism
29	Prism Rotation	0	0–5 Rot Off 6–128 Position 0-540 129–191 Fast to Slow CW 192–192 Stop 193–255 Slow to Fast CCW
30	Prism Rotation Fine	0	Fine byte of Prism Rotation
31	Frost1	0	
32	Animation Wheel1	0	0–5 Rot Off 6–128 Position 0-540 129–191 Fast to Slow CW 192–192 Stop 193–255 Slow to Fast CCW
33	Animation Wheel1 Fine	0	Fine byte of Animation Wheel1
34	Position MSpeed	0	0–254 Max speed 255–255 Min speed
35	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 No Function
36	Control1	0	0–5 No function 6–10 On Display Backlight(Hold 3s) 11–15 OFF Display Backlight(Hold 3s) 16–20 Invert Pan off (Hold 3s) 21–25 Invert Pan on (Hold 3s) 26–30 Invert Tilt off (Hold 3s) 31–35 Invert Tilt on (Hold 3s) 36–40 Fan Auto (Hold 3s) 41–45 Fan Silent (Hold 3s) 46–50 Fan High (Hold 3s) 51–55 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) 121–155 No function 156–160 Factory Default(Hold 3s) 161–255 No function