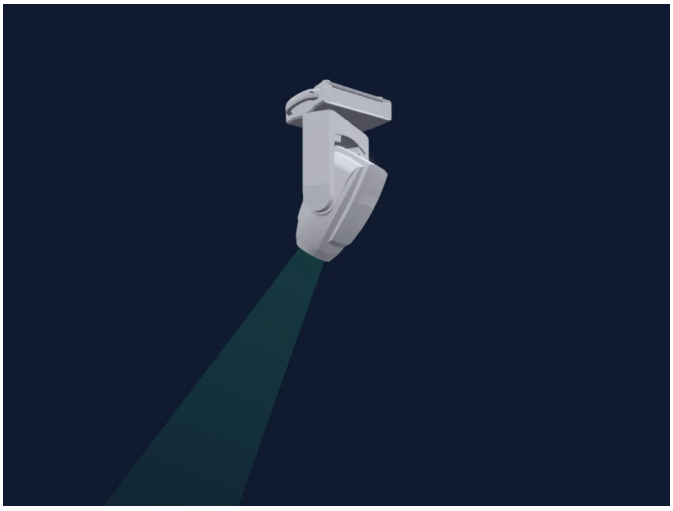
CKC Lighting

S3



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**21, 25, 29 channels**
Beam angle	**10-30°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**252 × 366 × 203 mm**
GDTF fixture type	**0CFEFB0D-DA92-48E5-AD5D-C…**

Controls

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

Safety-relevant functions

Strobe

DMX modes

Basic 21CH	21 ch
Standard 25CH	25 ch
Extended 29CH	29 ch

Basic 21CH

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	0	
3	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Orange (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Light Blue (wheel slot 5) 80–95 Purple (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Yellow T-Y500 (wheel slot 8) 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
4	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 Orange Red (wheel slot 2) 32–47 Yellow Green (wheel slot 3) 48–63 Peacock Blue (wheel slot 4) 64–79 CTO 3200k (wheel slot 5) 80–95 CTO 5600K (wheel slot 6) 96–111 Flourecent Blue (wheel slot 7) 112–127 Yellow T-Y530 (wheel slot 8) 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
5	Gobo	0	0–9 Open (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 No rotation 224–255 Slow to fast CCW
6	Gobo Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW

Basic 21CH (continued)

Ch	Function	Default	DMX values
7	Gobo 2	0	0–9 Open (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 Gobo1 shake (wheel slot 2) 95–109 Gobo2 shake (wheel slot 3) 110–124 Gobo3 shake (wheel slot 4) 125–139 Gobo4 shake (wheel slot 5) 140–154 Gobo5 shake (wheel slot 6) 155–169 Gobo6 shake (wheel slot 7) 170–189 Gobo7 shake (wheel slot 8) 190–221 Fast to slow CW 222–223 No rotation 224–255 Slow to fast CCW
8	Gobo Rotation 2	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW
9	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
10	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
11	Prism	0	0–31 open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)
12	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
13	Prism	0	0–31 open (wheel slot 1) 32–255 6 Linear prism (wheel slot 2)
14	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
15	Focus	0	
16	Zoom	0	
17	Iris	0	0–191 Indexing 192–223 Pluse Open slow to fast 224–255 Pluse Closed fast to slow
18	Frost1	0	
19	Frost2	0	
20	Position MSpeed	0	0–254 Max speed 255–255 Min speed
21	Control1	0	

Standard 25CH

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Orange (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Light Blue (wheel slot 5) 80–95 Purple (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Yellow T-Y500 (wheel slot 8) 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
6	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 Orange Red (wheel slot 2) 32–47 Yellow Green (wheel slot 3) 48–63 Peacock Blue (wheel slot 4) 64–79 CTO 3200k (wheel slot 5) 80–95 CTO 5600K (wheel slot 6) 96–111 Flourecent Blue (wheel slot 7) 112–127 Yellow T-Y530 (wheel slot 8) 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
7	Gobo	0	0–9 Open (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 No rotation 224–255 Slow to fast CCW
8	Gobo Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW

Standard 25CH (continued)

Ch	Function	Default	DMX values
9	Gobo 2	0	0–9 Open (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 Gobo1 shake (wheel slot 2) 95–109 Gobo2 shake (wheel slot 3) 110–124 Gobo3 shake (wheel slot 4) 125–139 Gobo4 shake (wheel slot 5) 140–154 Gobo5 shake (wheel slot 6) 155–169 Gobo6 shake (wheel slot 7) 170–189 Gobo7 shake (wheel slot 8) 190–221 Fast to slow CW 222–223 No rotation 224–255 Slow to fast CCW
10	Gobo Rotation 2	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW
11	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
12	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
13	Prism	0	0–31 open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)
14	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
15	Prism	0	0–31 open (wheel slot 1) 32–255 6 Linear prism (wheel slot 2)
16	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
17	Focus	0	
18	Zoom	0	
19	Iris	0	0–191 Indexing 192–223 Pluse Open slow to fast 224–255 Pluse Closed fast to slow
20	Frost1	0	
21	Frost2	0	

Standard 25CH (continued)

Ch	Function	Default	DMX values
22	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architecture 81–100 Theatre 101–120 Stage 2 121–121 01s 122–122 02s 123–123 03s 124–124 04s 125–125 05s 126–126 06s 127–127 07s 128–128 08s 129–129 09s 130–131 1s 132–132 2s 133–133 3s 134–134 4s 135–135 5s 136–136 6s 137–137 7s 138–138 8s 139–139 9s 140–140 10s 141–255 Default to Unit Setting
23	Dimmer Curve	0	0–20 Linear 21–40 Square 41–60 Inv Squa 61–80 S Curve 81–255 No Function
24	Position MSpeed	0	0–254 Max speed 255–255 Min speed
25	Control1	0	

Extended 29CH

29 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Orange (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Light Blue (wheel slot 5) 80–95 Purple (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Yellow T-Y500 (wheel slot 8) 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW

Extended 29CH (continued)

Ch	Function	Default	DMX values
6	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 Orange Red (wheel slot 2) 32–47 Yellow Green (wheel slot 3) 48–63 Peacock Blue (wheel slot 4) 64–79 CTO 3200k (wheel slot 5) 80–95 CTO 5600K (wheel slot 6) 96–111 Flourecent Blue (wheel slot 7) 112–127 Yellow T-Y530 (wheel slot 8) 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
7	Gobo	0	0–9 Open (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 No rotation 224–255 Slow to fast CCW
8	Gobo Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW
9	Gobo 2	0	0–9 Open (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 Gobo1 shake (wheel slot 2) 95–109 Gobo2 shake (wheel slot 3) 110–124 Gobo3 shake (wheel slot 4) 125–139 Gobo4 shake (wheel slot 5) 140–154 Gobo5 shake (wheel slot 6) 155–169 Gobo6 shake (wheel slot 7) 170–189 Gobo7 shake (wheel slot 8) 190–221 Fast to slow CW 222–223 No rotation 224–255 Slow to fast CCW
10	Gobo Rotation 2	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW

Extended 29CH (continued)

Ch	Function	Default	DMX values
11	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
12	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
13	Dimmer Fine	0	Fine byte of Dimmer
14	Prism	0	0–31 open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)
15	Prism Rotation	0	0–126 Indexing 127–188 Fast to slow CW 189–192 No rotation 193–255 Slow to fast CCW
16	Prism Rotation Fine	0	Fine byte of Prism Rotation
17	Prism	0	0–31 open (wheel slot 1) 32–255 6 Linear prism (wheel slot 2)
18	Prism Rotation	0	0–126 Indexing 127–188 Fast to slow CW 189–192 No rotation 193–255 Slow to fast CCW
19	Prism Rotation Fine	0	Fine byte of Prism Rotation
20	Focus	0	
21	Zoom	0	
22	Zoom Fine	0	Fine byte of Zoom
23	Iris	0	0–191 Indexing 192–223 Pluse Open slow to fast 224–255 Pluse Closed fast to slow
24	Frost1	0	
25	Frost2	0	

Extended 29CH (continued)

Ch	Function	Default	DMX values
26	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architecture 81–100 Theatre 101–120 Stage 2 121–121 01s 122–122 02s 123–123 03s 124–124 04s 125–125 05s 126–126 06s 127–127 07s 128–128 08s 129–129 09s 130–131 1s 132–132 2s 133–133 3s 134–134 4s 135–135 5s 136–136 6s 137–137 7s 138–138 8s 139–139 9s 140–140 10s 141–255 Default to Unit Setting
27	Dimmer Curve	0	0–20 Linear 21–40 Square 41–60 Inv Squa 61–80 S Curve 81–255 No Function
28	Position MSpeed	0	0–254 Max speed 255–255 Min speed
29	Control1	0	