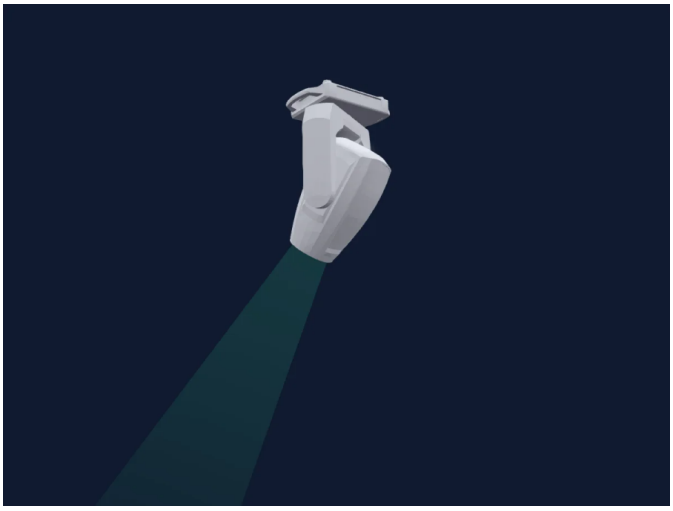
CKC Lighting

V3BSW



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**25, 30 channels**
Beam angle	**4-38°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**252 × 400 × 218 mm**
GDTF fixture type	**62C14903-B7A2-4D4E-8309-2F…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Standard 25ch	25 ch
Extended 30CH	30 ch

Standard 25ch

25 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	Color Wheel	0	0–6 open (wheel slot 1) 7–13 White/Red (wheel slot 1) 14–20 Red (wheel slot 2) 21–27 Red/Yellow (wheel slot 2) 28–34 Yellow (wheel slot 3) 35–41 Yellow/Green (wheel slot 3) 42–48 Green (wheel slot 4) 49–55 Green/Orange (wheel slot 4) 56–62 Orange (wheel slot 5) 63–69 Orange/Pink (wheel slot 5) 70–76 Pink (wheel slot 6) 77–83 Pink/CTO (wheel slot 6) 84–90 CTO (wheel slot 7) 91–97 CTO/ HCRI (wheel slot 7) 98–104 High CRI (wheel slot 8) 105–111 High CRI/Blue (wheel slot 8) 112–118 Blue (wheel slot 9) 119–127 Blue/White (wheel slot 9) 128–189 Fast to Slow CW 190–193 Stop 194–255 Slow to Fast CCW
10	Gobo	0	0–5 open (wheel slot 1) 6–12 Gobo 1 (wheel slot 2) 13–19 Gobo 2 (wheel slot 3) 20–26 Gobo 3 (wheel slot 4) 27–33 Gobo 4 (wheel slot 5) 34–40 Gobo 5 (wheel slot 6) 41–47 Gobo 6 (wheel slot 7) 48–54 Gobo 7 (wheel slot 8) 55–61 Gobo 8 (wheel slot 9) 62–77 Gobo 1 shake (wheel slot 2) 78–93 Gobo 2 shake (wheel slot 3) 94–109 Gobo 3 shake (wheel slot 4) 110–125 Gobo 4 shake (wheel slot 5) 126–141 Gobo 5 shake (wheel slot 6) 142–157 Gobo 6 shake (wheel slot 7) 158–173 Gobo 7 shake (wheel slot 8) 174–189 Gobo 8 shake (wheel slot 9) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
11	Gobo Rotation	0	0–126 Indexing 0-540 127–188 Fast to Slow CW 189–192 Stop 193–255 Slow to Fast CCW
12	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard 25ch (continued)

Ch	Function	Default	DMX values
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) 78–86 Gobo 9 (wheel slot 10) 87–95 Gobo 10 (wheel slot 11) 96–104 Gobo 1 shake (wheel slot 2) 105–113 Gobo 2 shake (wheel slot 3) 114–122 Gobo 3 shake (wheel slot 4) 123–131 Gobo 4 shake (wheel slot 5) 132–140 Gobo 5 shake (wheel slot 6) 141–149 Gobo 6 shake (wheel slot 7) 150–158 Gobo 7 shake (wheel slot 8) 159–167 Gobo 8 shake (wheel slot 9) 168–176 Gobo 9 shake (wheel slot 10) 177–185 Gobo 10 shake (wheel slot 11) 186–217 Fast to Slow CW 218–223 Stop 224–255 Slow to Fast CCW
14	Prism	0	0–5 No Prism (wheel slot 1) 6–85 Prism 1 (wheel slot 2) 86–170 Prism 2 (wheel slot 2) 171–255 Prism 1 + 2 (wheel slot 1)
15	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to Fast CCW
16	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
17	Zoom	128	0–254 narrow 255–255 wide
18	Focus	0	
19	Iris	0	0–191 Max to Min 192–223 Pulse opening fast to slow 224–255 Pulse closing slow to fast
20	Frost1	0	
21	Dimmer	0	0–254 Closed 255–255 Open
22	Dimmer Fine	0	Fine byte of Dimmer
23	Shutter / Strobe	50	0–31 closed 32–63 open 64–94 min Strobe 95–95 max Strobe 96–127 shutter open(2) 128–158 min pulse 159–159 max pulse 160–191 shutter open(3) 192–222 min Random 223–223 max Random 224–255 shutter open(4)

Standard 25ch (continued)

Ch	Function	Default	DMX values
24	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
25	Control1	0	0–5 No function 6–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 5s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 3s) 54–65 Fan Silent(Hold 3s) 66–77 Fan Auto(Hold 3s) 78–89 Dimmer Curve Linear(Hold 3s) 90–101 Dimmer Curve Square(Hold 3s) 102–113 Dimmer Curve I-Square(Hold 3s) 114–125 Dimmer Curve S-Curve(Hold 3s) 126–131 900 Hz(Hold 3s) 132–137 1000 Hz(Hold 3s) 138–143 1100 Hz(Hold 3s) 144–149 1200 Hz(Hold 3s) 150–155 1300 Hz(Hold 3s) 156–161 1400 Hz(Hold 3s) 162–167 1500 Hz(Hold 3s) 168–173 2500 Hz(Hold 3s) 174–179 4000 Hz(Hold 3s) 180–185 5000 Hz(Hold 3s) 186–191 10000 Hz(Hold 3s) 192–197 15000 Hz(Hold 3s) 198–203 20000 Hz(Hold 3s) 204–209 25000 Hz(Hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head(Hold 3s) 234–255 Reset All Functions(Hold 3s)

Extended 30CH

30 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 30CH (continued)

Ch	Function	Default	DMX values
12	Color Wheel	0	0–6 open (wheel slot 1) 7–13 White/Red (wheel slot 1) 14–20 Red (wheel slot 2) 21–27 Red/Yellow (wheel slot 2) 28–34 Yellow (wheel slot 3) 35–41 Yellow/Green (wheel slot 3) 42–48 Green (wheel slot 4) 49–55 Green/Orange (wheel slot 4) 56–62 Orange (wheel slot 5) 63–69 Orange/Pink (wheel slot 5) 70–76 Pink (wheel slot 6) 77–83 Pink/CTO (wheel slot 6) 84–90 CTO (wheel slot 7) 91–97 CTO/ HCRI (wheel slot 7) 98–104 High CRI (wheel slot 8) 105–111 High CRI/Blue (wheel slot 8) 112–118 Blue (wheel slot 9) 119–127 Blue/White (wheel slot 9) 128–189 Fast to Slow CW 190–193 Stop 194–255 Slow to Fast CCW
13	Gobo	0	0–5 open (wheel slot 1) 6–12 Gobo 1 (wheel slot 2) 13–19 Gobo 2 (wheel slot 3) 20–26 Gobo 3 (wheel slot 4) 27–33 Gobo 4 (wheel slot 5) 34–40 Gobo 5 (wheel slot 6) 41–47 Gobo 6 (wheel slot 7) 48–54 Gobo 7 (wheel slot 8) 55–61 Gobo 8 (wheel slot 9) 62–77 Gobo 1 shake (wheel slot 2) 78–93 Gobo 2 shake (wheel slot 3) 94–109 Gobo 3 shake (wheel slot 4) 110–125 Gobo 4 shake (wheel slot 5) 126–141 Gobo 5 shake (wheel slot 6) 142–157 Gobo 6 shake (wheel slot 7) 158–173 Gobo 7 shake (wheel slot 8) 174–189 Gobo 8 shake (wheel slot 9) 190–221 Fast to Slow CW 222–223 Stop 224–255 Slow to Fast CCW
14	Gobo Rotation	0	0–126 Indexing 0-540 127–188 Fast to Slow CW 189–192 Stop 193–255 Slow to Fast CCW
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended 30CH (continued)

Ch	Function	Default	DMX values
16	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) 78–86 Gobo 9 (wheel slot 10) 87–95 Gobo 10 (wheel slot 11) 96–104 Gobo 1 shake (wheel slot 2) 105–113 Gobo 2 shake (wheel slot 3) 114–122 Gobo 3 shake (wheel slot 4) 123–131 Gobo 4 shake (wheel slot 5) 132–140 Gobo 5 shake (wheel slot 6) 141–149 Gobo 6 shake (wheel slot 7) 150–158 Gobo 7 shake (wheel slot 8) 159–167 Gobo 8 shake (wheel slot 9) 168–176 Gobo 9 shake (wheel slot 10) 177–185 Gobo 10 shake (wheel slot 11) 186–217 Fast to Slow CW 218–223 Stop 224–255 Slow to Fast CCW
17	Prism	0	0–5 No Prism (wheel slot 1) 6–85 Prism 1 (wheel slot 2) 86–170 Prism 2 (wheel slot 2) 171–255 Prism 1 + 2 (wheel slot 1)
18	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to Fast CCW
19	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
20	Zoom	128	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	Iris	0	0–191 Max to Min 192–223 Pulse opening fast to slow 224–255 Pulse closing slow to fast
25	Frost1	0	
26	Dimmer	0	0–254 Closed 255–255 Open
27	Dimmer Fine	0	Fine byte of Dimmer

Extended 30CH (continued)

Ch	Function	Default	DMX values
28	Shutter / Strobe	50	0–31 closed 32–63 open 64–94 min Strobe 95–95 max Strobe 96–127 shutter open(2) 128–158 min pulse 159–159 max pulse 160–191 shutter open(3) 192–222 min Random 223–223 max Random 224–255 shutter open(4)
29	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
30	Control1	0	0–5 No function 6–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 5s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 3s) 54–65 Fan Silent(Hold 3s) 66–77 Fan Auto(Hold 3s) 78–89 Dimmer Curve Linear(Hold 3s) 90–101 Dimmer Curve Square(Hold 3s) 102–113 Dimmer Curve I-Square(Hold 3s) 114–125 Dimmer Curve S-Curve(Hold 3s) 126–131 900 Hz(Hold 3s) 132–137 1000 Hz(Hold 3s) 138–143 1100 Hz(Hold 3s) 144–149 1200 Hz(Hold 3s) 150–155 1300 Hz(Hold 3s) 156–161 1400 Hz(Hold 3s) 162–167 1500 Hz(Hold 3s) 168–173 2500 Hz(Hold 3s) 174–179 4000 Hz(Hold 3s) 180–185 5000 Hz(Hold 3s) 186–191 10000 Hz(Hold 3s) 192–197 15000 Hz(Hold 3s) 198–203 20000 Hz(Hold 3s) 204–209 25000 Hz(Hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head(Hold 3s) 234–255 Reset All Functions(Hold 3s)