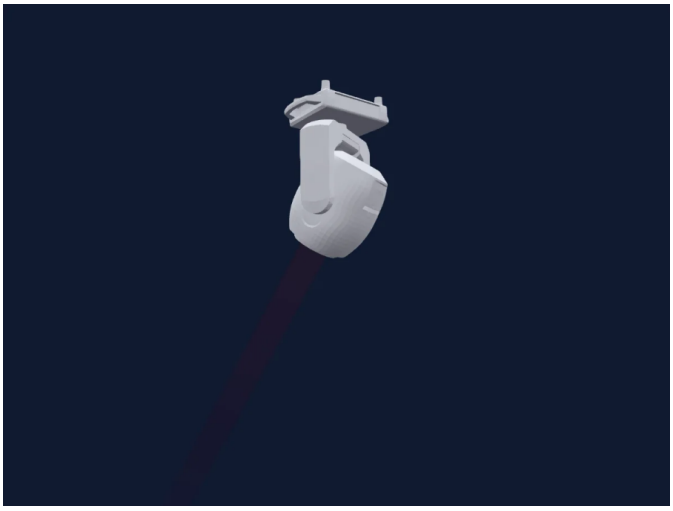
CKC Lighting

Proxima X



Manufacturer	**CKC Lighting**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**23, 28 channels**
Beam angle	**1.1°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**251 × 330 × 278 mm**
GDTF fixture type	**D18647B2-E2CE-493D-8C41-40…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Standard 23CH	23 ch
Extended 28CH	28 ch

Standard 23CH

23 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	0–127 no function 128–189 Pan clockwise from fast to slow 190–193 No rotation 194–255 Pan counter-clockwise from slow to fast
6	Tilt Rotate	0	0–127 no function 128–189 Titl clockwise from fast to slow 190–193 No rotation 194–255 Titl counter-clockwise from slow to fast
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
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	Cyan	0	
11	Magenta	0	
12	Yellow	0	
13	Color Wheel	0	0–5 open (wheel slot 1) 6–9 color 1 (wheel slot 2) 10–13 color 2 (wheel slot 3) 14–17 color 3 (wheel slot 4) 18–21 color 4 (wheel slot 5) 22–25 color 5 (wheel slot 6) 26–29 color 6 (wheel slot 7) 30–33 color 7 (wheel slot 8) 34–37 color 8 (wheel slot 9) 38–41 color 9 (wheel slot 10) 42–45 color 10 (wheel slot 11) 46–49 color 11 (wheel slot 12) 50–53 color 12 (wheel slot 13) 54–57 color 13 (wheel slot 14) 58–61 color 14 (wheel slot 15) 62–65 color 15 (wheel slot 16) 66–69 color 16 (wheel slot 17) 70–73 color 17 (wheel slot 18) 74–181 indexing 182–213 Clockwise from fast to slow 214–223 stop 224–255 Counter-clockwise from slow to fast
14	Color Wheel Fine	0	Fine byte of Color Wheel

Standard 23CH (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–5 Open (wheel slot 1) 6–10 gobo 1 1 (wheel slot 2) 11–15 gobo 1 2 (wheel slot 3) 16–20 gobo 1 3 (wheel slot 4) 21–25 gobo 1 4 (wheel slot 5) 26–30 gobo 1 5 (wheel slot 6) 31–35 gobo 1 6 (wheel slot 7) 36–40 gobo 1 7 (wheel slot 8) 41–45 gobo 1 8 (wheel slot 9) 46–50 gobo 1 9 (wheel slot 10) 51–55 gobo 1 10 (wheel slot 11) 56–60 gobo 1 11 (wheel slot 12) 61–65 gobo 1 12 (wheel slot 13) 66–70 gobo 1 13 (wheel slot 14) 71–75 gobo 1 14 (wheel slot 15) 76–80 gobo 1 15 (wheel slot 16) 81–85 gobo 1 16 (wheel slot 17) 86–90 gobo 1 17 (wheel slot 18) 91–95 gobo 1 18 (wheel slot 19) 96–100 gobo 1 19 (wheel slot 20) 101–105 Open2 (wheel slot 1) 106–110 FixedGobo 1 shake (wheel slot 2) 111–115 FixedGobo 2 shake (wheel slot 3) 116–120 FixedGobo 3 shake (wheel slot 4) 121–125 FixedGobo 4 shake (wheel slot 5) 126–131 FixedGobo 5 shake (wheel slot 6) 132–136 FixedGobo 6 shake (wheel slot 7) 137–141 FixedGobo 7 shake (wheel slot 8) 142–146 FixedGobo 8 shake (wheel slot 9) 147–151 FixedGobo 9 shake (wheel slot 10) 152–156 FixedGobo 10 shake (wheel slot 11) 157–160 FixedGobo 11 shake (wheel slot 12) 161–165 FixedGobo 12 shake (wheel slot 13) 166–170 FixedGobo 13 shake (wheel slot 14) 171–175 FixedGobo 14 shake (wheel slot 15) 176–180 FixedGobo 15 shake (wheel slot 16) 181–185 FixedGobo 16 shake (wheel slot 17) 186–190 FixedGobo 17 shake (wheel slot 18) 191–195 FixedGobo 18 shake (wheel slot 19) 196–200 FixedGobo 19 shake (wheel slot 20) 201–222 Clockwise from fast to slow 223–232 Stop 233–255 Counter-clockwise from slow to fast
16	Prism	0	0–5 open (wheel slot 1) 6–255 6 prism (wheel slot 2)
17	Prism Rotation	0	0–5 open 6–128 Prism1 indexing 129–191 Fast to slow CW 192–192 Stop 193–255 Slow to fast CCW
18	Prism	0	0–5 open (wheel slot 1) 6–255 16 Facet Prism (wheel slot 2)
19	Prism Rotation	0	0–5 Open 6–128 Prism2 indexing 129–191 Fast to slow CW 192–192 stop 193–255 Slow to fast CCW
20	Focus	0	
21	Frost1	0	

Standard 23CH (continued)

Ch	Function	Default	DMX values
22	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
23	Control1	0	0–5 No function 6–17 Invert Pan off 18–29 Invert Pan on 30–41 Invert Tilt off 42–53 Invert Tilt on 54–61 Fan Auto 62–69 Fan Silent 70–77 Fan High 78–89 Linear 90–101 SQUARE 102–113 INV-SQUARE 114–125 S-Curve 126–131 900hz 132–137 1000hz 138–143 1100hz 144–149 1200hz 150–155 1300hz 156–161 1400hz 162–167 1500hz 168–173 2500hz 174–179 4000hz 180–185 5000hz 186–191 10khz 192–197 15khz 198–203 20khz 204–209 25khz 210–221 P/T Reset 222–233 Head Reset 234–255 All Reset

Extended 28CH

28 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	0–127 no function 128–189 Pan clockwise from fast to slow 190–193 No rotation 194–255 Pan counter-clockwise from slow to fast
6	Tilt Rotate	0	0–127 no function 128–189 Titl clockwise from fast to slow 190–193 No rotation 194–255 Titl counter-clockwise from slow to fast
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Extended 28CH (continued)

Ch	Function	Default	DMX values
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	Cyan	0	
11	Cyan Fine	0	Fine byte of Cyan
12	Magenta	0	
13	Magenta Fine	0	Fine byte of Magenta
14	Yellow	0	
15	Yellow Fine	0	Fine byte of Yellow
16	Color Wheel	0	0–5 open (wheel slot 1) 6–9 color 1 (wheel slot 2) 10–13 color 2 (wheel slot 3) 14–17 color 3 (wheel slot 4) 18–21 color 4 (wheel slot 5) 22–25 color 5 (wheel slot 6) 26–29 color 6 (wheel slot 7) 30–33 color 7 (wheel slot 8) 34–37 color 8 (wheel slot 9) 38–41 color 9 (wheel slot 10) 42–45 color 10 (wheel slot 11) 46–49 color 11 (wheel slot 12) 50–53 color 12 (wheel slot 13) 54–57 color 13 (wheel slot 14) 58–61 color 14 (wheel slot 15) 62–65 color 15 (wheel slot 16) 66–69 color 16 (wheel slot 17) 70–73 color 17 (wheel slot 18) 74–181 indexing 182–213 Clockwise from fast to slow 214–223 stop 224–255 Counter-clockwise from slow to fast
17	Color Wheel Fine	0	Fine byte of Color Wheel

Extended 28CH (continued)

Ch	Function	Default	DMX values
18	Gobo	0	0–5 Open (wheel slot 1) 6–10 gobo 1 1 (wheel slot 2) 11–15 gobo 1 2 (wheel slot 3) 16–20 gobo 1 3 (wheel slot 4) 21–25 gobo 1 4 (wheel slot 5) 26–30 gobo 1 5 (wheel slot 6) 31–35 gobo 1 6 (wheel slot 7) 36–40 gobo 1 7 (wheel slot 8) 41–45 gobo 1 8 (wheel slot 9) 46–50 gobo 1 9 (wheel slot 10) 51–55 gobo 1 10 (wheel slot 11) 56–60 gobo 1 11 (wheel slot 12) 61–65 gobo 1 12 (wheel slot 13) 66–70 gobo 1 13 (wheel slot 14) 71–75 gobo 1 14 (wheel slot 15) 76–80 gobo 1 15 (wheel slot 16) 81–85 gobo 1 16 (wheel slot 17) 86–90 gobo 1 17 (wheel slot 18) 91–95 gobo 1 18 (wheel slot 19) 96–100 gobo 1 19 (wheel slot 20) 101–105 Open2 (wheel slot 1) 106–110 FixedGobo 1 shake (wheel slot 2) 111–115 FixedGobo 2 shake (wheel slot 3) 116–120 FixedGobo 3 shake (wheel slot 4) 121–125 FixedGobo 4 shake (wheel slot 5) 126–131 FixedGobo 5 shake (wheel slot 6) 132–136 FixedGobo 6 shake (wheel slot 7) 137–141 FixedGobo 7 shake (wheel slot 8) 142–146 FixedGobo 8 shake (wheel slot 9) 147–151 FixedGobo 9 shake (wheel slot 10) 152–156 FixedGobo 10 shake (wheel slot 11) 157–160 FixedGobo 11 shake (wheel slot 12) 161–165 FixedGobo 12 shake (wheel slot 13) 166–170 FixedGobo 13 shake (wheel slot 14) 171–175 FixedGobo 14 shake (wheel slot 15) 176–180 FixedGobo 15 shake (wheel slot 16) 181–185 FixedGobo 16 shake (wheel slot 17) 186–190 FixedGobo 17 shake (wheel slot 18) 191–195 FixedGobo 18 shake (wheel slot 19) 196–200 FixedGobo 19 shake (wheel slot 20) 201–222 Clockwise from fast to slow 223–232 Stop 233–255 Counter-clockwise from slow to fast
19	Prism	0	0–5 open (wheel slot 1) 6–255 6 prism (wheel slot 2)
20	Prism Rotation	0	0–5 open 6–128 Prism1 indexing 129–191 Fast to slow CW 192–192 Stop 193–255 Slow to fast CCW
21	Prism	0	0–5 open (wheel slot 1) 6–255 16 Facet Prism (wheel slot 2)
22	Prism Rotation	0	0–5 Open 6–128 Prism2 indexing 129–191 Fast to slow CW 192–192 stop 193–255 Slow to fast CCW
23	Focus	0	
24	Focus Fine	0	Fine byte of Focus
25	Frost1	0	

Extended 28CH (continued)

Ch	Function	Default	DMX values
26	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
27	Position MSpeed	0	0–254 Max Speed 255–255 Min Speed
28	Control1	0	0–5 No function 6–17 Invert Pan off 18–29 Invert Pan on 30–41 Invert Tilt off 42–53 Invert Tilt on 54–61 Fan Auto 62–69 Fan Silent 70–77 Fan High 78–89 Linear 90–101 SQUARE 102–113 INV-SQUARE 114–125 S-Curve 126–131 900hz 132–137 1000hz 138–143 1100hz 144–149 1200hz 150–155 1300hz 156–161 1400hz 162–167 1500hz 168–173 2500hz 174–179 4000hz 180–185 5000hz 186–191 10khz 192–197 15khz 198–203 20khz 204–209 25khz 210–221 P/T Reset 222–233 Head Reset 234–255 All Reset