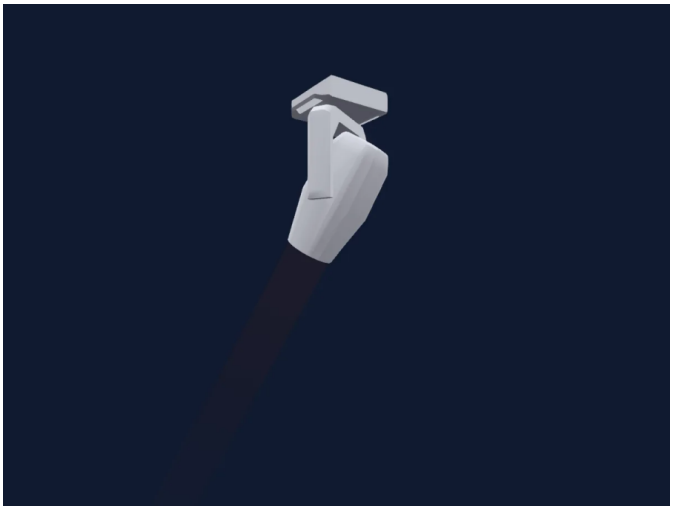
EK Lights

ORCA



Manufacturer	**EK Lights**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**24 channels**
Beam angle	**1.3°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**373 × 603 × 320 mm**
GDTF fixture type	**4C45C505-9B7B-4F8E-A044-D3…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

DMX modes

24CH — 24 ch

24CH

24 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Shutter / Strobe	255	0–3 Closed 4–103 Strobe Slow to Fast 104–107 Open1 108–207 Pulse 208–212 Open2 213–251 Strobe Random 252–255 Open3
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	C TO	0	
12	Color1Wheel Index	0	0–8 Open (wheel slot 1) 9–16 Color1 (wheel slot 2) 17–25 Color2 (wheel slot 3) 26–33 Color30 (wheel slot 4) 34–42 Color4 (wheel slot 5) 43–50 Color5 (wheel slot 6) 51–59 Color6 (wheel slot 7) 60–67 Color7 (wheel slot 8) 68–76 Color8 (wheel slot 9) 77–84 Color9 (wheel slot 10) 85–93 Color10 (wheel slot 11) 94–101 Color11 (wheel slot 12) 102–110 Color12 (wheel slot 13) 111–118 Color13 (wheel slot 14) 119–127 Color14 (wheel slot 15) 128–190 CW 191–192 Stop 193–255 CCW

24CH (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–4 Open (wheel slot 1) 5–8 Gobo 1 (wheel slot 2) 9–13 Gobo 2 (wheel slot 3) 14–17 Gobo 3 (wheel slot 4) 18–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–31 Gobo 6 (wheel slot 7) 32–35 Gobo 7 (wheel slot 8) 36–39 Gobo 8 (wheel slot 9) 40–44 Gobo 9 (wheel slot 10) 45–48 Gobo 10 (wheel slot 11) 49–53 Gobo 11 (wheel slot 12) 54–57 Gobo 12 (wheel slot 13) 58–62 Gobo 13 (wheel slot 14) 63–66 Gobo 14 (wheel slot 15) 67–71 Gobo 15 (wheel slot 16) 72–113 CW 114–117 Stop 118–159 CCW 160–166 Gobo 1 Shake (wheel slot 2) 167–172 Gobo 2 Shake (wheel slot 3) 173–179 Gobo 3 Shake (wheel slot 4) 180–185 Gobo 4 Shake (wheel slot 5) 186–191 Gobo 5 Shake (wheel slot 6) 192–198 Gobo 6 Shake (wheel slot 7) 199–204 Gobo 7 Shake (wheel slot 8) 205–210 Gobo 8 Shake (wheel slot 9) 211–217 Gobo 9 Shake (wheel slot 10) 218–223 Gobo 10 Shake (wheel slot 11) 224–229 Gobo 11 Shake (wheel slot 12) 230–236 Gobo 12 Shake (wheel slot 13) 237–242 Gobo 13 Shake (wheel slot 14) 243–248 Gobo 14 Shake (wheel slot 15) 249–255 Gobo 15 Shake (wheel slot 16)
14	Prism	0	0–127 Open (wheel slot 1) 128–255 Linear Prism (wheel slot 2)
15	Prism Rotation	0	0–127 Prism Index 0-540 (wheel slot 2) 128–190 CW (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW (wheel slot 2)
16	Prism	0	0–127 Open (wheel slot 1) 128–255 8F Circular (wheel slot 2)
17	Prism Rotation	0	0–127 Prism Index 0-540 (wheel slot 2) 128–190 CW (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW (wheel slot 2)
18	Prism	0	0–127 Open (wheel slot 1) 128–255 24F Circular (wheel slot 2)
19	Prism Rotation	0	0–127 Prism Index 0-540 (wheel slot 2) 128–190 CW (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW (wheel slot 2)
20	Frost1	0	0–0 Open 1–255 Frost From 0% -> 100%
21	Focus	0	
22	Focus Fine	0	Fine byte of Focus

24CH (continued)

Ch	Function	Default	DMX values
23	Reset	0	0–25 No Function 26–76 Complete Reset 77–127 P/T Reset 128–255 All Reset
24	Lamp Control	0	0–25 No Function 26–100 Lamp Off 101–255 Lamp On