Volux

Physos



Manufacturer	**Volux**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**30, 56 channels**
Beam angle	**4.7-62°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**398 × 669 × 332 mm**
GDTF fixture type	**15E1D241-D0C6-466B-B375-A3…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions · Strobe

DMX modes

Basic Mode	30 ch
Extended Mode	56 ch

Basic Mode

30 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	Color Wheel	0	0–7 Open - Color (wheel slot 1) 8–15 Red - Color (wheel slot 2) 16–23 Blue - Color (wheel slot 3) 24–31 Green - Color (wheel slot 4) 32–39 Orange - Color (wheel slot 5) 40–47 Violet - Color (wheel slot 6) 48–63 Open - Color (wheel slot 1) 64–221 Indexing - Indexing 222–239 Rotate CCW - Rotate CCW 240–255 Rotate CW - Rotate CW
6	Cyan	0	0–0 Min 1–254 Min > Max 255–255 Max
7	Magenta	0	0–0 Min 1–254 Min > Max 255–255 Max
8	Yellow	0	0–0 Min 1–254 Min > Max 255–255 Max
9	C TC	127	0–0 Min 1–254 Min > Max 255–255 Max
10	Gobo	0	0–7 Open - Gobo Open (wheel slot 1) 8–15 Gobo 1 - Gobo (wheel slot 2) 16–23 Gobo 2 - Gobo (wheel slot 3) 24–31 Gobo 3 - Gobo (wheel slot 4) 32–39 Gobo 4 - Gobo (wheel slot 5) 40–47 Gobo 5 - Gobo (wheel slot 6) 48–55 Gobo 6 - Gobo (wheel slot 7) 56–71 Open - Gobo Open (wheel slot 1) 72–143 Indexing - Indexing 144–199 Rotate CCW - Rotate CCW 200–255 Rotate CW - Rotate CW
11	Gobo 2	0	0–8 Open - Gobo Open (wheel slot 1) 9–17 Gobo 1 - Gobo (wheel slot 2) 18–26 Gobo 2 - Gobo (wheel slot 3) 27–35 Gobo 3 - Gobo (wheel slot 4) 36–44 Gobo 4 - Gobo (wheel slot 5) 45–53 Gobo 5 - Gobo (wheel slot 6) 54–62 Gobo 6 - Gobo (wheel slot 7) 63–71 Open - Gobo Open (wheel slot 1) 72–135 Indexing - Indexing 136–195 Rotate CCW - Rotate CCW 196–255 Rotate CW - Rotate CW
12	Gobo Rotation	0	0–3 No Function - Custom 4–123 Indexing - Indexing 124–187 F > S - Rotate CCW 188–191 Stop - Stop Loop 192–255 S > F - Rotate CW
13	Dimmer	0	
14	Dimmer Fine	0	Fine byte of Dimmer

Basic Mode (continued)

Ch	Function	Default	DMX values
15	Shutter / Strobe	0	0–3 Open - Shutter Open 4–67 Strobe Effect 1 S > F - Strobe 68–99 Strobe Effect 2 S > F - Strobe 100–131 Strobe Effect 3 S > F - Strobe 132–175 Strobe Effect 4 S > F - Strobe 176–247 Strobe Effect 5 S > F - Strobe 248–251 Strobe Random 1 - Strobe Random 252–255 Strobe Random 2 - Strobe Random
16	L EDFrequency	0	0–63 1200Hz - Auto PWM - Custom 64–127 1200Hz - Fast PWM - Custom 128–191 13600Hz - Auto PWM - Custom 192–255 13600Hz - Fast PWM - Custom
17	Prism	0	0–31 Open (wheel slot 1) 32–255 6F Circular (wheel slot 2)
18	Prism Rotation	0	0–3 No Rot - Stop Loop 4–123 Indexing - Indexing 124–187 F > S - Rotate CCW 188–191 Stop - Stop Loop 192–255 S > F - Rotate CW
19	Prism	0	0–39 Open (wheel slot 1) 40–255 6F Linear (wheel slot 2)
20	Prism Rotation	0	0–3 No Rot - Stop Loop 4–123 Indexing - Indexing 124–187 F > S - Rotate CCW 188–191 Stop - Stop Loop 192–255 S > F - Rotate CW
21	Zoom	127	0–254 Narrow 255–255 Wide
22	Zoom Fine	255	Fine byte of Zoom
23	Focus	127	
24	Focus Fine	255	Fine byte of Focus
25	Iris	0	0–127 Big > Small - Iris 128–135 Iris Closed - Iris Closed 136–173 Iris Macro 1 Slow Expand/Fast Shrink S > F - Iris Cl... 174–211 Iris Macro 2 Fast Expand/Slow Shrink S > F - Iris O... 212–249 Iris Macro 3 Open/Close Pulse S > F - Iris 250–255 Closed - Iris Closed
26	Frost1	0	0–9 Open - Frost Open 10–255 0-100% - Full Frost
27	Frost2	0	0–9 Open - Frost Open 10–255 0-100% - Full Frost
28	Animation Wheel1	0	0–31 Open - Effect 32–255 0-100% - Effect
29	Animation Wheel1Pos Rotate	0	0–151 Indexing - Indexing 152–247 Animation Wheel Rotate S > F - Rotate Random 248–255 Stop - Stop Loop

Basic Mode (continued)

Ch	Function	Default	DMX values
30	Control1	0	0–19 No Function - Custom 20–29 Reset All - Reset 30–39 Reset P/T - Reset 40–49 Reset Color Gobo CMY/CTO Flags - Reset 50–59 Reset Zoom Focus Prism Frost - Reset 60–69 Reset Animation Iris Framing Shutters - Reset 70–74 Display Default - Custom 75–79 Display Off - Custom 80–84 Display On - Custom 85–89 Fan - Quiet Mode - Low Speed - Custom 90–94 Fan - Medium Speed - Custom 95–99 Fan - High Speed - Custom 100–255 Reserved - Custom

Extended Mode

56 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	Position MSpeed	0	0–0 Standard - Speed 1–1 Max Speed - Speed 2–255 F > S - Speed

Extended Mode (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–5 Reserved - Custom 6–7 Standby Mode: On - Custom 8–9 Standby Mode: Off - Custom 10–19 Reserved - Custom 20–24 LCD On - Custom 25–29 LCD Off - Custom 30–31 Fans On During Black Out - Custom 32–33 Fans Off During Black Out - Custom 34–39 Reserved - Custom 40–44 P/T Mode: Speed - Speed 45–49 P/T Mode: Time - Speed 50–54 Blackout During Movement: On - Blackout 55–59 Blackout During Movement: Off - Blackout 60–64 Blackout During Gobo Transition: On - Blackout 65–69 Blackout During Gobo Transition: Off - Blackout 70–74 Blackout During Color Transition: On - Blackout 75–79 Blackout During Color Transition: Off - Blackout 80–84 Fan Mode: Auto - Custom 85–89 Fan Mode: High - Custom 90–91 Fan Mode: Quiet - Custom 92–94 Reserved - Custom 95–99 Dimmer Curve: Super Square Law - Custom 100–104 Focus Tracking: On - Custom 105–109 Focus Tracking: Off - Custom 110–114 Dimmer Curve: Square Law - Custom 115–119 Dimmer Curve: Linear - Custom 120–124 Parking Position: On - Custom 125–129 Parking Position: Off - Custom 130–139 Reset All (excl P/T) - Reset 140–149 Reset P/T - Reset 150–159 Reset Color System - Reset 160–169 Reset Gobo/Animation Wheel - Reset 170–179 Reserved - Custom 180–189 Reset Zoom/Focus/Frost/Prism - Reset 190–199 Reset Iris/Framing System - Reset 200–209 Reset All - Reset 210–220 Gobo Indexing: Max Speed + Shortcut Enabled - C... 221–222 Gobo Indexing: Follow Speed And Direction - Cust... 223–224 Gobo Indexing: Max Speed Follow Direction - Cust... 225–255 Reserved - Custom
7	L EDFrequency	0	0–4 Open - Custom 5–9 300Hz - Custom 10–14 600Hz - Custom 15–19 1200Hz - Custom 20–24 2400Hz - Custom 25–255 Reserved - Custom
8	Reserved	0	0–0 Min 1–254 Min > Max 255–255 Max
9	Reserved2	0	0–0 Min 1–254 Min > Max 255–255 Max

Extended Mode (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–19 Open - Color (wheel slot 1) 20–41 Deep Red - Color (wheel slot 2) 42–62 Deep Blue - Color (wheel slot 3) 63–84 Orange - Color (wheel slot 4) 85–105 Green - Color (wheel slot 5) 106–127 Congo Blue - Color (wheel slot 6) 128–129 Open - Color (wheel slot 1) 130–189 Color Wheel Indexing - Indexing 190–215 F > S - Rotate CW 216–217 Stop - Stop Loop 218–243 S > F - Rotate CCW 244–249 Reserved - Custom 250–255 F > S - Rotate Random
11	Color Wheel Fine	0	Fine byte of Color Wheel
12	Color Wheel 2	0	0–19 Open - Color (wheel slot 1) 20–41 Color Split - Color (wheel slot 2) 42–62 Laser Green - Color (wheel slot 3) 63–84 Lavender - Color (wheel slot 4) 85–105 CRI Filter 80 - Color (wheel slot 5) 106–127 CRI Filter 90 - Color (wheel slot 6) 128–129 Open - Color (wheel slot 1) 130–189 Indexing - Indexing 190–215 F > S - Rotate CW 216–217 Stop - Stop Loop 218–243 S > F - Rotate CCW 244–249 Reserved - Custom 250–255 F > S - Rotate Random
13	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
14	Cyan	0	0–0 Min 1–254 Min > Max 255–255 Max
15	Magenta	0	0–0 Min 1–254 Min > Max 255–255 Max
16	Yellow	0	0–0 Min 1–254 Min > Max 255–255 Max
17	C TC	127	0–0 Min 1–254 Min > Max 255–255 Max
18	Reserved3	0	0–0 Min 1–254 Min > Max 255–255 Max
19	Reserved4	0	0–0 Min 1–254 Min > Max 255–255 Max
20	Reserved5	0	0–0 Min 1–254 Min > Max 255–255 Max
21	Reserved6	0	0–0 Min 1–254 Min > Max 255–255 Max
22	Reserved7	0	0–0 Min 1–254 Min > Max 255–255 Max
23	Animation Wheel1	0	0–19 Open - Effect (wheel slot 1) 20–127 Variable Position Into Light Path - Effect (wheel slot 2) 128–255 Reserved - Custom

Extended Mode (continued)

Ch	Function	Default	DMX values
24	Animation Wheel1Pos Rotate	0	0–0 No Rot - Stop Loop 1–127 F > S - Rotate CW 128–128 Stop - Stop Loop 129–255 S > F - Rotate CCW
25	Animation Wheel1Macro	0	0–7 Open - Macro 8–9 Macro 1 - Macro 10–11 Macro 2 - Macro 12–13 Macro 3 - Macro 14–15 Macro 4 - Macro 16–17 Macro 5 - Macro 18–19 Macro 6 - Macro 20–21 Macro 7 - Macro 22–23 Macro 8 - Macro 24–25 Macro 9 - Macro 26–27 Macro 10 - Macro 28–255 Reserved - Custom
26	Gobo	0	0–3 Open - Gobo Open (wheel slot 1) 4–7 Gobo 1 - Gobo (wheel slot 2) 8–12 Gobo 2 - Gobo (wheel slot 3) 13–16 Gobo 3 - Gobo (wheel slot 4) 17–21 Gobo 4 - Gobo (wheel slot 5) 22–25 Gobo 5 - Gobo (wheel slot 6) 26–30 Gobo 6 - Gobo (wheel slot 7) 31–35 Gobo 1 Rotate - Gobo Rotate (wheel slot 2) 36–39 Gobo 2 Rotate - Gobo Rotate (wheel slot 3) 40–43 Gobo 3 Rotate - Gobo Rotate (wheel slot 4) 44–48 Gobo 4 Rotate - Gobo Rotate (wheel slot 5) 49–53 Gobo 5 Rotate - Gobo Rotate (wheel slot 6) 54–58 Gobo 6 Rotate - Gobo Rotate (wheel slot 7) 59–70 Gobo 1 Shake Idx - Gobo Shake (wheel slot 2) 71–82 Gobo 2 Shake Idx - Gobo Shake (wheel slot 3) 83–94 Gobo 3 Shake Idx - Gobo Shake (wheel slot 4) 95–105 Gobo 4 Shake Idx - Gobo Shake (wheel slot 5) 106–117 Gobo 5 Shake Idx - Gobo Shake (wheel slot 6) 118–129 Gobo 6 Shake Idx - Gobo Shake (wheel slot 7) 130–141 Gobo 1 Shake Rot - Gobo Shake (wheel slot 2) 142–153 Gobo 2 Shake Rot - Gobo Shake (wheel slot 3) 154–165 Gobo 3 Shake Rot - Gobo Shake (wheel slot 4) 166–176 Gobo 4 Shake Rot - Gobo Shake (wheel slot 5) 177–188 Gobo 5 Shake Rot - Gobo Shake (wheel slot 6) 189–199 Gobo 6 Shake Rot - Gobo Shake (wheel slot 7) 200–201 Open - Gobo Open (wheel slot 1) 202–222 F > S - Rotate CW 223–243 S > F - Rotate CCW 244–249 Reserved - Custom 250–255 F > S - Rotate Random
27	Gobo Fine	0	Fine byte of Gobo
28	Gobo Rotation	0	0–127 Indexing - Indexing 128–128 Stop - Stop Loop 129–255 S > F - Rotate CCW
29	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended Mode (continued)

Ch	Function	Default	DMX values
30	Gobo 2	0	0–3 Open - Gobo Open (wheel slot 1) 4–7 Gobo 1 - Gobo (wheel slot 2) 8–12 Gobo 2 - Gobo (wheel slot 3) 13–16 Gobo 3 - Gobo (wheel slot 4) 17–21 Gobo 4 - Gobo (wheel slot 5) 22–25 Gobo 5 - Gobo (wheel slot 6) 26–30 Gobo 6 - Gobo (wheel slot 7) 31–35 Gobo 1 Rotate - Gobo Rotate (wheel slot 2) 36–39 Gobo 2 Rotate - Gobo Rotate (wheel slot 3) 40–43 Gobo 3 Rotate - Gobo Rotate (wheel slot 4) 44–48 Gobo 4 Rotate - Gobo Rotate (wheel slot 5) 49–53 Gobo 5 Rotate - Gobo Rotate (wheel slot 6) 54–58 Gobo 6 Rotate - Gobo Rotate (wheel slot 7) 59–70 Gobo 1 Shake Idx - Gobo Shake (wheel slot 2) 71–82 Gobo 2 Shake Idx - Gobo Shake (wheel slot 3) 83–94 Gobo 3 Shake Idx - Gobo Shake (wheel slot 4) 95–105 Gobo 4 Shake Idx - Gobo Shake (wheel slot 5) 106–117 Gobo 5 Shake Idx - Gobo Shake (wheel slot 6) 118–129 Gobo 6 Shake Idx - Gobo Shake (wheel slot 7) 130–141 Gobo 1 Shake Rot - Gobo Shake (wheel slot 2) 142–153 Gobo 2 Shake Rot - Gobo Shake (wheel slot 3) 154–165 Gobo 3 Shake Rot - Gobo Shake (wheel slot 4) 166–176 Gobo 4 Shake Rot - Gobo Shake (wheel slot 5) 177–188 Gobo 5 Shake Rot - Gobo Shake (wheel slot 6) 189–199 Gobo 6 Shake Rot - Gobo Shake (wheel slot 7) 200–201 Open - Gobo Open (wheel slot 1) 202–222 F > S - Rotate CW 223–243 S > F - Rotate CCW 244–249 Reserved - Custom 250–255 F > S - Rotate Random
31	Gobo 2 Fine	0	Fine byte of Gobo 2
32	Gobo Rotation	0	0–127 Indexing - Indexing 128–128 Stop - Stop Loop 129–255 S > F - Rotate CCW
33	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
34	Prism	0	0–39 Open (wheel slot 1) 40–255 6F Circular (wheel slot 2)
35	Prism Rotation	0	0–3 No Rot - Stop Loop 4–123 Indexing - Indexing 124–187 F > S - Rotate CCW 188–191 Stop - Stop Loop 192–255 S > F - Rotate CW
36	Prism	0	0–31 Open (wheel slot 1) 32–255 6F Linear (wheel slot 2)
37	Prism Rotation	0	0–3 No Rot - Stop Loop 4–123 Indexing - Indexing 124–187 F > S - Rotate CCW 188–191 Stop - Stop Loop 192–255 S > F - Rotate CW

Extended Mode (continued)

Ch	Function	Default	DMX values
38	Frost1	0	0–0 Open - Frost Open 1–50 Light Frost 0-100% - Full Frost 51–53 Light Frost Full - Full Frost 54–63 Light Frost Pulse Close FX S > F - Full Frost 64–73 Light Frost Pulse Open FX F > S - Frost Open 74–83 Light Frost Ramp F > S - Full Frost 84–86 Open - Frost Open 87–136 Medium Frost 0-100% - Full Frost 137–139 Medium Frost Full - Full Frost 140–149 Medium Frost Pulse Close FX S > F - Full Frost 150–159 Medium Frost Pulse Open FX F > S - Frost Open 160–169 Medium Frost Ramp F > S - Full Frost 170–255 Open - Full Frost
39	Iris	0	0–179 No Effect - Custom 180–191 Iris Closed - Iris Closed 192–219 Iris Macro 1 Pulse Open S > F - Iris Open 220–247 Iris Macro 2 Pulse Close F > S - Iris Closed 248–249 Iris Macro 3 Open/Close Pulse S > F - Iris 250–255 Reserved - Custom
40	Iris Fine	1	Fine byte of Iris
41	Zoom	127	0–254 Narrow 255–255 Wide
42	Zoom Fine	255	Fine byte of Zoom
43	Focus	127	
44	Focus Fine	255	Fine byte of Focus
45	Shaper Rot	128	0–127 0-60Deg - Rotate CW 128–128 Stop - Stop Loop 129–255 0-60Deg - Rotate CCW
46	Blade1A	0	0–0 Min 1–254 Min > Max 255–255 Max
47	Blade1Rot	128	0–127 -30Deg To Center - Rotate CW 128–128 Center - Stop Loop 129–255 0 To 30Deg - Rotate CCW
48	Blade2A	0	0–0 Min 1–254 Min > Max 255–255 Max
49	Blade2Rot	128	0–127 -30Deg To Center - Rotate CW 128–128 Center - Stop Loop 129–255 0 To 30Deg - Rotate CCW
50	Blade3A	0	0–0 Min 1–254 Min > Max 255–255 Max
51	Blade3Rot	128	0–127 -30Deg To Center - Rotate CW 128–128 Center - Stop Loop 129–255 0 To 30Deg - Rotate CCW
52	Blade4A	0	0–0 Min 1–254 Min > Max 255–255 Max
53	Blade4Rot	128	0–127 -30Deg To Center - Rotate CW 128–128 Center - Stop Loop 129–255 0 To 30Deg - Rotate CCW

Extended Mode (continued)

Ch	Function	Default	DMX values
54	Shutter / Strobe	32	0–31 Closed - Shutter Closed 32–63 Open - Shutter Open 64–95 Strobe S > F - Strobe 96–127 Open - Shutter Open 128–143 Pulse Open S > F - Strobe Pulse Open 144–159 Pulse Close F > S - Strobe Pulse Closed 160–191 Open - Shutter Open 192–223 Strobe Random S > F - Strobe Random 224–255 Open - Shutter Open
55	Dimmer	0	
56	Dimmer Fine	0	Fine byte of Dimmer