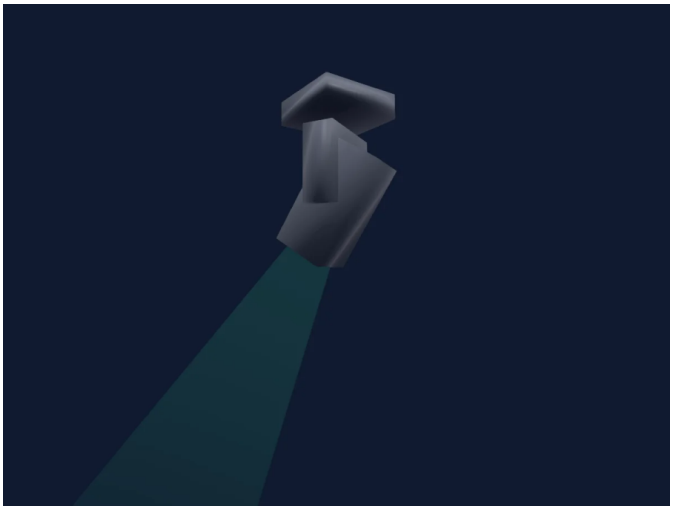
LcPro

Vader BWS-28CH25CH



Manufacturer	**LcPro**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**25, 28 channels**
Beam angle	**5-45°**
Pan range	**1080°**
Tilt range	**540°**
Size (W × H × D)	**240 × 467 × 219 mm**
GDTF fixture type	**179FE470-80AE-4B72-B581-F4F…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions · Strobe

DMX modes

25Ch	25 ch
28CH	28 ch

25Ch

25 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Color Wheel	0	0–7 No Colour (wheel slot 1) 8–15 Colour1 (wheel slot 2) 16–23 Colour2 (wheel slot 3) 24–31 Colour3 (wheel slot 4) 32–39 Colour4 (wheel slot 5) 40–47 Colour5 (wheel slot 6) 48–55 Colour 6 (wheel slot 7) 56–63 Colour7 (wheel slot 8) 64–71 Colour8 (wheel slot 9) 72–79 Colour9 (wheel slot 10) 80–87 Colour10 (wheel slot 11) 88–95 Colour11 (wheel slot 12) 96–103 No Colour (wheel slot 1) 104–221 Colour Arbitrary positioning 222–238 Rotate left 239–255 Rotate right
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	110	0–1 7000K 2–64 6600k 65–109 5600k 110–110 5580k 111–179 4200k 180–180 4180k 181–229 3200k 230–254 3180k 255–255 2500k

25Ch (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 8 (wheel slot 9) 36–39 Gobo 9 (wheel slot 10) 40–43 Gobo 10 (wheel slot 11) 44–47 Gobo 11 (wheel slot 12) 48–51 Gobo 12 (wheel slot 13) 52–55 Gobo 13 (wheel slot 14) 56–59 No Gobo (wheel slot 1) 60–67 Gobo1 Shake From Slow To Fast (wheel slot 2) 68–75 Gobo2 Shake From Slow To Fast (wheel slot 3) 76–83 Gobo3 Shake From Slow To Fast (wheel slot 4) 84–91 Gobo4 Shake From Slow To Fast (wheel slot 5) 92–99 Gobo5 Shake From Slow To Fast (wheel slot 6) 100–107 Gobo6 Shake From Slow To Fast (wheel slot 7) 108–115 Gobo7 Shake From Slow To Fast (wheel slot 8) 116–123 Gobo8 Shake From Slow To Fast (wheel slot 9) 124–131 Gobo9 Shake From Slow To Fast (wheel slot 10) 132–139 Gobo10 Shake From Slow To Fast (wheel slot 11) 140–147 Gobo11 Shake From Slow To Fast (wheel slot 12) 148–155 Gobo12 Shake From Slow To Fast (wheel slot 13) 156–163 Gobo13 Shake From Slow To Fast (wheel slot 14) 164–167 No Gobo (wheel slot 1) 168–211 Rotate Left 212–255 Rotate Right
11	Gobo 2	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–71 No Gobo (wheel slot 1) 72–79 Gobo1 Shake From Slow To Fast (wheel slot 2) 80–87 Gobo2 Shake From Slow To Fast (wheel slot 3) 88–95 Gobo3 Shake From Slow To Fast (wheel slot 4) 96–103 Gobo4 Shake From Slow To Fast (wheel slot 5) 104–111 Gobo5 Shake From Slow To Fast (wheel slot 6) 112–119 Gobo6 Shake From Slow To Fast (wheel slot 7) 120–127 Gobo7 Shake From Slow To Fast (wheel slot 8) 128–135 No Gobo (wheel slot 1) 136–195 Rotate Left 196–255 Rotate Right
12	Gobo Rotation	0	0–3 No Effect 4–123 R-Gobo Angle 124–187 Rotate Left 188–191 Stop 192–255 Rotate Right
13	Dimmer	0	0–254 Closed 255–255 Open

25Ch (continued)

Ch	Function	Default	DMX values
14	Shutter / Strobe	0	0–3 Open 4–67 Open<->Close 68–99 Close->Open 100–131 Open->Close 132–175 Half Open And Half Close 176–247 Pulse Strobe 248–255 Dimmer 3
15	Dimmer Mode	0	0–63 Refresh rate 1200 auto 64–127 Refresh rate 1200 fast 128–191 Refresh rate 13672 auto 192–255 Refresh rate 13672 fast
16	Prism	0	0–31 No Prism (wheel slot 1) 32–255 prism1 on (wheel slot 2)
17	Prism Rotation	3	0–3 Prism Stop 4–123 Prism Angle 124–187 Rotate Left Fast To Slow 188–191 Stop 192–255 Rotate Right Slow To Fast
18	Zoom	255	
19	Focus	0	
20	Focus1Distance	0	
21	Focus1Distance Fine	0	Fine byte of Focus1Distance
22	Iris	0	0–127 Open To Close 128–135 Close 136–173 Iris Movement 1 174–211 Iris Movement 2 212–249 Iris Movement 3 250–255 Close
23	Frost1	0	0–9 No Effect 10–255 Liner Frost
24	Scan Speed	0	
25	Control1	0	0–19 No Used 20–29 Reset All 30–39 Reset Pan/Tilt 40–49 Reset Colour/Gobo/CMY/CTO 50–59 Reset Zoom/Focus/PrismFros 60–69 No Effect 70–74 Display Default 75–79 Display off(don't Keep after shutdown) 80–84 Display on(don't Keep after shutdown) 85–89 Fan speed low(Keep after shutdown) 90–94 Fan speed medium(Keep after shutdown) 95–99 Fan speed high(Keep after shutdown) 100–255 No Effect

28CH

28 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt

28CH (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–7 No Colour (wheel slot 1) 8–15 Colour1 (wheel slot 2) 16–23 Colour2 (wheel slot 3) 24–31 Colour3 (wheel slot 4) 32–39 Colour4 (wheel slot 5) 40–47 Colour5 (wheel slot 6) 48–55 Colour 6 (wheel slot 7) 56–63 Colour7 (wheel slot 8) 64–71 Colour8 (wheel slot 9) 72–79 Colour9 (wheel slot 10) 80–87 Colour10 (wheel slot 11) 88–95 Colour11 (wheel slot 12) 96–103 No Colour (wheel slot 1) 104–221 Colour Arbitrary positioning 222–238 Rotate left 239–255 Rotate right
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	110	0–1 7000K 2–64 6600k 65–109 5600k 110–110 5580k 111–179 4200k 180–180 4180k 181–229 3200k 230–254 3180k 255–255 2500k
10	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 8 (wheel slot 9) 36–39 Gobo 9 (wheel slot 10) 40–43 Gobo 10 (wheel slot 11) 44–47 Gobo 11 (wheel slot 12) 48–51 Gobo 12 (wheel slot 13) 52–55 Gobo 13 (wheel slot 14) 56–59 No Gobo (wheel slot 1) 60–67 Gobo1 Shake From Slow To Fast (wheel slot 2) 68–75 Gobo2 Shake From Slow To Fast (wheel slot 3) 76–83 Gobo3 Shake From Slow To Fast (wheel slot 4) 84–91 Gobo4 Shake From Slow To Fast (wheel slot 5) 92–99 Gobo5 Shake From Slow To Fast (wheel slot 6) 100–107 Gobo6 Shake From Slow To Fast (wheel slot 7) 108–115 Gobo7 Shake From Slow To Fast (wheel slot 8) 116–123 Gobo8 Shake From Slow To Fast (wheel slot 9) 124–131 Gobo9 Shake From Slow To Fast (wheel slot 10) 132–139 Gobo10 Shake From Slow To Fast (wheel slot 11) 140–147 Gobo11 Shake From Slow To Fast (wheel slot 12) 148–155 Gobo12 Shake From Slow To Fast (wheel slot 13) 156–163 Gobo13 Shake From Slow To Fast (wheel slot 14) 164–167 No Gobo (wheel slot 1) 168–211 Rotate Left 212–255 Rotate Right

28CH (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–71 No Gobo (wheel slot 1) 72–79 Gobo1 Shake From Slow To Fast (wheel slot 2) 80–87 Gobo2 Shake From Slow To Fast (wheel slot 3) 88–95 Gobo3 Shake From Slow To Fast (wheel slot 4) 96–103 Gobo4 Shake From Slow To Fast (wheel slot 5) 104–111 Gobo5 Shake From Slow To Fast (wheel slot 6) 112–119 Gobo6 Shake From Slow To Fast (wheel slot 7) 120–127 Gobo7 Shake From Slow To Fast (wheel slot 8) 128–135 No Gobo (wheel slot 1) 136–195 Rotate Left 196–255 Rotate Right
12	Gobo Rotation	0	0–3 No Effect 4–123 R-Gobo Angle 124–187 Rotate Left 188–191 Stop 192–255 Rotate Right
13	Dimmer	0	0–254 Closed 255–255 Open
14	Dimmer Fine	0	Fine byte of Dimmer
15	Shutter / Strobe	0	0–3 Open 4–67 Open<->Close 68–99 Close->Open 100–131 Open->Close 132–175 Half Open And Half Close 176–247 Pulse Strobe 248–255 Dimmer 3
16	Dimmer Mode	0	0–63 Refresh rate 1200 auto 64–127 Refresh rate 1200 fast 128–191 Refresh rate 13672 auto 192–255 Refresh rate 13672 fast
17	Prism	0	0–31 No Prism (wheel slot 1) 32–255 prism1 on (wheel slot 2)
18	Prism Rotation	3	0–3 Prism Stop 4–123 Prism Angle 124–187 Rotate Left Fast To Slow 188–191 Stop 192–255 Rotate Right Slow To Fast
19	Zoom	255	
20	Zoom Fine	255	Fine byte of Zoom
21	Focus	0	
22	Focus Fine	0	Fine byte of Focus
23	Focus1Distance	0	
24	Focus1Distance Fine	0	Fine byte of Focus1Distance
25	Iris	0	0–127 Open To Close 128–135 Close 136–173 Iris Movement 1 174–211 Iris Movement 2 212–249 Iris Movement 3 250–255 Close

28CH (continued)

Ch	Function	Default	DMX values
26	Frost1	0	0–9 No Effect 10–255 Liner Frost
27	Scan Speed	0	
28	Control1	0	0–19 No Used 20–29 Reset All 30–39 Reset Pan/Tilt 40–49 Reset Colour/Gobo/CMY/CTO 50–59 Reset Zoom/Focus/PrismFros 60–69 No Effect 70–74 Display Default 75–79 Display off(don't Keep after shutdown) 80–84 Display on(don't Keep after shutdown) 85–89 Fan speed low(Keep after shutdown) 90–94 Fan speed medium(Keep after shutdown) 95–99 Fan speed high(Keep after shutdown) 100–255 No Effect