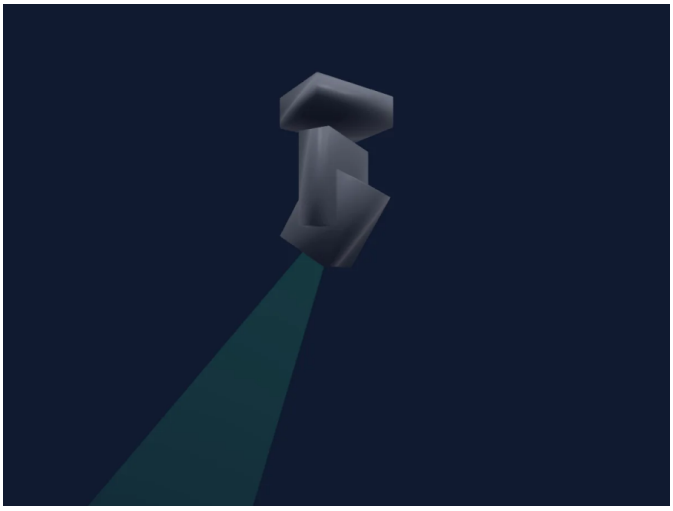
Prolights

Ruby FCX



Manufacturer	**Prolights**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**18, 20, 22, 23 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**200 × 266 × 180 mm**
GDTF fixture type	**DA7C8262-77CC-4119-92B6-FF…**

Controls

Focus · Prism · Prism rotation · RGB colour mixing · Colour wheel · Strobe · Dimmer · Movement speed · Gobos

Safety-relevant functions

Fixture reset · Service functions · Strobe

DMX modes

Bas	18 ch
Bas 16bit	20 ch
St	22 ch
Ex	23 ch

Bas

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Pan Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW
5	Tilt Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW
6	Shutter / Strobe	255	0–31 Closed 32–63 Open 64–95 Strobe 96–127 Open 128–159 Pulse 160–191 Open 192–223 Random 224–255 Open
7	Dimmer	0	0–254 Closed 255–255 Open
8	Color1Mode	0	0–15 No Function 16–31 CTC Function 32–47 CW Spin 48–63 CCW Spin 64–79 Continuous 80–111 Colour Bounce 112–255 TBD
9	Color Macro1	0	
10	Color Macro2	0	0–0 Open 1–1 Red 2–2 Green 3–3 Blue 4–255 RGB
11	Red	255	
12	Green	255	
13	Blue	255	
14	Gobo	0	0–13 Open (wheel slot 1) 14–27 Gobo 1 (wheel slot 2) 28–41 Gobo 2 (wheel slot 3) 42–55 Gobo 3 (wheel slot 4) 56–69 Gobo 4 (wheel slot 5) 70–83 Gobo 5 (wheel slot 6) 84–97 Gobo 6 (wheel slot 7) 98–111 Gobo 7 (wheel slot 8) 112–125 Gobo 8 (wheel slot 9) 126–139 Gobo 9 (wheel slot 10) 140–153 Gobo 10 (wheel slot 11) 154–167 Gobo 11 (wheel slot 12) 168–181 Gobo 12 (wheel slot 13) 182–195 Gobo 13 (wheel slot 14) 196–209 Gobo 14 (wheel slot 15) 210–223 Gobo 15 (wheel slot 16) 224–237 Gobo 16 (wheel slot 17) 238–255 Gobo 17 (wheel slot 18)

Bas (continued)

Ch	Function	Default	DMX values
15	Prism	0	0–63 Open (wheel slot 1) 64–127 8f Circular (wheel slot 2) 128–191 6f Linear (wheel slot 3) 192–255 Frost (wheel slot 1)
16	Prism Rotation	0	0–191 0-360 192–223 CW 224–255 CCW
17	Focus	0	0–127 Near 128–254 Mid 255–255 Far
18	Control1	0	0–7 Normal 8–15 Reset All 16–23 PT Reset 24–31 TBD 32–39 Gobo Reset 40–47 TBD 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 TBD 88–95 Hibernation 96–255 TBD

Bas 16bit

20 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	
6	Pan Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW
7	Tilt Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW
8	Shutter / Strobe	255	0–31 Closed 32–63 Open 64–95 Strobe 96–127 Open 128–159 Pulse 160–191 Open 192–223 Random 224–255 Open
9	Dimmer	0	0–254 Closed 255–255 Open
10	Color1Mode	0	0–15 No Function 16–31 CTC Function 32–47 CW Spin 48–63 CCW Spin 64–79 Continuous 80–111 Colour Bounce 112–255 TBD

Bas 16bit (continued)

Ch	Function	Default	DMX values
11	Color Macro1	0	
12	Color Macro2	0	0–0 Open 1–1 Red 2–2 Green 3–3 Blue 4–255 RGB
13	Red	255	
14	Green	255	
15	Blue	255	
16	Gobo	0	0–13 Open (wheel slot 1) 14–27 Gobo 1 (wheel slot 2) 28–41 Gobo 2 (wheel slot 3) 42–55 Gobo 3 (wheel slot 4) 56–69 Gobo 4 (wheel slot 5) 70–83 Gobo 5 (wheel slot 6) 84–97 Gobo 6 (wheel slot 7) 98–111 Gobo 7 (wheel slot 8) 112–125 Gobo 8 (wheel slot 9) 126–139 Gobo 9 (wheel slot 10) 140–153 Gobo 10 (wheel slot 11) 154–167 Gobo 11 (wheel slot 12) 168–181 Gobo 12 (wheel slot 13) 182–195 Gobo 13 (wheel slot 14) 196–209 Gobo 14 (wheel slot 15) 210–223 Gobo 15 (wheel slot 16) 224–237 Gobo 16 (wheel slot 17) 238–255 Gobo 17 (wheel slot 18)
17	Prism	0	0–63 Open (wheel slot 1) 64–127 8f Circular (wheel slot 2) 128–191 6f Linear (wheel slot 3) 192–255 Frost (wheel slot 1)
18	Prism Rotation	0	0–191 0-360 192–223 CW 224–255 CCW
19	Focus	0	0–127 Near 128–254 Mid 255–255 Far
20	Control1	0	0–7 Normal 8–15 Reset All 16–23 PT Reset 24–31 TBD 32–39 Gobo Reset 40–47 TBD 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 TBD 88–95 Hibernation 96–255 TBD

St

22 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

St (continued)

Ch	Function	Default	DMX values
5	Position MSpeed	0	
6	Pan Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW
7	Tilt Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW
8	Strobe Mode Shutter	0	0–15 Strobe 16–31 Pulse Open 32–47 Pulse Close 48–63 Random 64–255 TBD
9	Shutter / Strobe	255	0–31 Closed 32–199 Slow 200–223 Fast 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Color1Mode	0	0–15 No Function 16–31 CTC Function 32–47 CW Spin 48–63 CCW Spin 64–79 Continuous 80–111 Colour Bounce 112–255 TBD
12	Color Macro1	0	
13	Color Macro2	0	0–0 Open 1–1 Red 2–2 Green 3–3 Blue 4–255 RGB
14	Red	255	
15	Green	255	
16	Blue	255	
17	Gobo1Wheel Mode	0	0–16 Indexed 17–31 Indexed with BO 32–47 CW Spin 48–63 CCW Spin 64–79 Continuous 80–95 Shake 96–255 TBD

St (continued)

Ch	Function	Default	DMX values
18	Gobo	0	0–13 Open (wheel slot 1) 14–27 Gobo 1 (wheel slot 2) 28–41 Gobo 2 (wheel slot 3) 42–55 Gobo 3 (wheel slot 4) 56–69 Gobo 4 (wheel slot 5) 70–83 Gobo 5 (wheel slot 6) 84–97 Gobo 6 (wheel slot 7) 98–111 Gobo 7 (wheel slot 8) 112–125 Gobo 8 (wheel slot 9) 126–139 Gobo 9 (wheel slot 10) 140–153 Gobo 10 (wheel slot 11) 154–167 Gobo 11 (wheel slot 12) 168–181 Gobo 12 (wheel slot 13) 182–195 Gobo 13 (wheel slot 14) 196–209 Gobo 14 (wheel slot 15) 210–223 Gobo 15 (wheel slot 16) 224–237 Gobo 16 (wheel slot 17) 238–255 Gobo 17 (wheel slot 18)
19	Prism	0	0–63 Open (wheel slot 1) 64–127 8f Circular (wheel slot 2) 128–191 6f Linear (wheel slot 3) 192–255 Frost (wheel slot 1)
20	Prism Rotation	0	0–191 0-360 192–223 CW 224–255 CCW
21	Focus	0	0–127 Near 128–254 Mid 255–255 Far
22	Control1	0	0–7 Normal 8–15 Reset All 16–23 PT Reset 24–31 TBD 32–39 Gobo Reset 40–47 TBD 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 TBD 88–95 Hibernation 96–255 TBD

Ex

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	Position MSpeed	0	
6	Position Modes	0	0–15 Normal 16–31 Movement BO 32–255 TBD
7	Pan Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW

Ex (continued)

Ch	Function	Default	DMX values
8	Tilt Rotate	0	0–3 No Function 4–127 CW 128–131 Stop 132–255 CCW
9	Strobe Mode Shutter	0	0–15 Strobe 16–31 Pulse Open 32–47 Pulse Close 48–63 Random 64–255 TBD
10	Shutter / Strobe	255	0–31 Closed 32–199 Slow 200–223 Fast 224–255 Open
11	Dimmer	0	0–254 Closed 255–255 Open
12	Color1Mode	0	0–15 No Function 16–31 CTC Function 32–47 CW Spin 48–63 CCW Spin 64–79 Continuous 80–111 Colour Bounce 112–255 TBD
13	Color Macro1	0	
14	Color Macro2	0	0–0 Open 1–1 Red 2–2 Green 3–3 Blue 4–255 RGB
15	Red	255	
16	Green	255	
17	Blue	255	
18	Gobo1Wheel Mode	0	0–16 Indexed 17–31 Indexed with BO 32–47 CW Spin 48–63 CCW Spin 64–79 Continuous 80–95 Shake 96–255 TBD
19	Gobo	0	0–13 Open (wheel slot 1) 14–27 Gobo 1 (wheel slot 2) 28–41 Gobo 2 (wheel slot 3) 42–55 Gobo 3 (wheel slot 4) 56–69 Gobo 4 (wheel slot 5) 70–83 Gobo 5 (wheel slot 6) 84–97 Gobo 6 (wheel slot 7) 98–111 Gobo 7 (wheel slot 8) 112–125 Gobo 8 (wheel slot 9) 126–139 Gobo 9 (wheel slot 10) 140–153 Gobo 10 (wheel slot 11) 154–167 Gobo 11 (wheel slot 12) 168–181 Gobo 12 (wheel slot 13) 182–195 Gobo 13 (wheel slot 14) 196–209 Gobo 14 (wheel slot 15) 210–223 Gobo 15 (wheel slot 16) 224–237 Gobo 16 (wheel slot 17) 238–255 Gobo 17 (wheel slot 18)

Ex (continued)

Ch	Function	Default	DMX values
20	Prism	0	0–63 Open (wheel slot 1) 64–127 8f Circular (wheel slot 2) 128–191 6f Linear (wheel slot 3) 192–255 Frost (wheel slot 1)
21	Prism Rotation	0	0–191 0-360 192–223 CW 224–255 CCW
22	Focus	0	0–127 Near 128–254 Mid 255–255 Far
23	Control1	0	0–7 Normal 8–15 Reset All 16–23 PT Reset 24–31 TBD 32–39 Gobo Reset 40–47 TBD 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 TBD 88–95 Hibernation 96–255 TBD