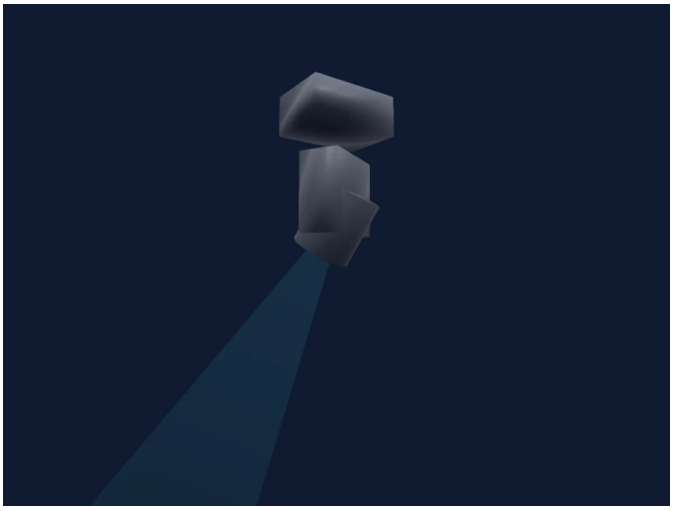
Prolights

Diamond 7



Manufacturer	**Prolights**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**18, 19, 20, 26 channels**
Beam angle	**25°**
Pan range	**1°**
Tilt range	**1°**
Size (W × H × D)	**180 × 200 × 180 mm**
GDTF fixture type	**7DC14220-BC91-49D2-A63F-3F…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Dimmer · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Base-8	18 ch
Standard	19 ch
Base-16	20 ch
Extended-1	26 ch

Base-8

18 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Tilt	0	
3	Position MSpeed	0	
4	Shutter1Strobe	25	0–31 Closed 32–63 Open 64–95 Strobe 96–127 Open 128–159 Strobe Pulse 160–191 Open 192–223 Shutter1StrobeRandom 6 224–255 Open
5	Dimmer	0	
6	Color Mix Mode	0	0–15 On Function 16–31 CTC Function 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–111 Color Bounce 112–255 No Function (TBD)
7	Color1Wheel Index	0	
8	Color Wheel	0	
9	Red	0	
10	Green	0	
11	Blue	0	
12	White	0	
13	Zoom	0	
14	Foreground Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color
15	Background Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color

Base-8 (continued)

Ch	Function	Default	DMX values
16	Color Macro1	0	0–31 Static 32–47 Dynamic Pattern 1 48–63 Dynamic Pattern 2 64–79 Dynamic Pattern 3 80–95 Dynamic Pattern 4 96–111 Dynamic Pattern 5 112–127 Dynamic Pattern 6 128–143 Dynamic Pattern 7 144–159 Dynamic Pattern 8 160–175 Dynamic Pattern 9 176–191 Dynamic Pattern 10 192–207 Dynamic Pattern 11 208–223 Dynamic Pattern 12 224–239 Dynamic Pattern 13 240–255 Dynamic Pattern 14
17	Color Macro1Rate	0	0–3 Stop 4–127 Forward S>F 128–131 Stop 132–255 Reverse S>F
18	Control1	0	0–7 Normal 8–15 Reset All 16–23 Pan Tilt Reset 24–47 No Function (TBD) 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 No Function (TBD) 88–97 Hibernation 98–255 No Function (TBD)

Standard

19 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Tilt	0	
3	Position MSpeed	0	
4	Strobe Mode Shutter	0	0–15 Normal 16–31 Pulse-effect Forward 32–47 Pulse-effect Reverse 48–63 Random Strobe 64–255 No Function (TBD)
5	Shutter1Strobe	25	0–31 Closed 32–223 Strobe Rate 224–255 Open
6	Dimmer	0	
7	Color Mix Mode	0	0–15 On Function 16–31 CTC Function 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–111 Color Bounce 112–255 No Function (TBD)
8	Color1Wheel Index	0	
9	Color Wheel	0	
10	Red	0	
11	Green	0	

Standard (continued)

Ch	Function	Default	DMX values
12	Blue	0	
13	White	0	
14	Zoom	0	
15	Foreground Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color
16	Background Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color
17	Color Macro1	0	0–31 Static 32–47 Dynamic Pattern 1 48–63 Dynamic Pattern 2 64–79 Dynamic Pattern 3 80–95 Dynamic Pattern 4 96–111 Dynamic Pattern 5 112–127 Dynamic Pattern 6 128–143 Dynamic Pattern 7 144–159 Dynamic Pattern 8 160–175 Dynamic Pattern 9 176–191 Dynamic Pattern 10 192–207 Dynamic Pattern 11 208–223 Dynamic Pattern 12 224–239 Dynamic Pattern 13 240–255 Dynamic Pattern 14
18	Color Macro1Rate	0	0–3 Stop 4–127 Forward S>F 128–131 Stop 132–255 Reverse S>F
19	Control1	0	0–7 Normal 8–15 Reset All 16–23 Pan Tilt Reset 24–47 No Function (TBD) 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 No Function (TBD) 88–97 Hibernation 98–255 No Function (TBD)

Base-16

20 channels

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

Base-16 (continued)

Ch	Function	Default	DMX values
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Shutter1Strobe	25	0–31 Closed 32–63 Open 64–95 Strobe 96–127 Open 128–159 Strobe Pulse 160–191 Open 192–223 Shutter1StrobeRandom 6 224–255 Open
7	Dimmer	0	
8	Color Mix Mode	0	0–15 On Function 16–31 CTC Function 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–111 Color Bounce 112–255 No Function (TBD)
9	Color1Wheel Index	0	
10	Color Wheel	0	
11	Red	0	
12	Green	0	
13	Blue	0	
14	White	0	
15	Zoom	0	
16	Foreground Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color
17	Background Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color

Base-16 (continued)

Ch	Function	Default	DMX values
18	Color Macro1	0	0–31 Static 32–47 Dynamic Pattern 1 48–63 Dynamic Pattern 2 64–79 Dynamic Pattern 3 80–95 Dynamic Pattern 4 96–111 Dynamic Pattern 5 112–127 Dynamic Pattern 6 128–143 Dynamic Pattern 7 144–159 Dynamic Pattern 8 160–175 Dynamic Pattern 9 176–191 Dynamic Pattern 10 192–207 Dynamic Pattern 11 208–223 Dynamic Pattern 12 224–239 Dynamic Pattern 13 240–255 Dynamic Pattern 14
19	Color Macro1Rate	0	0–3 Stop 4–127 Forward S>F 128–131 Stop 132–255 Reverse S>F
20	Control1	0	0–7 Normal 8–15 Reset All 16–23 Pan Tilt Reset 24–47 No Function (TBD) 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 No Function (TBD) 88–97 Hibernation 98–255 No Function (TBD)

Extended-1

26 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	Position MSpeed	0	
6	Position Modes	0	0–15 Normal 16–31 MIB 32–255 No Function (TBD)
7	Strobe Mode Shutter	0	0–15 Normal 16–31 Pulse-effect Forward 32–47 Pulse-effect Reverse 48–63 Random Strobe 64–255 No Function (TBD)
8	Shutter1Strobe	25	0–31 Closed 32–223 Strobe Rate 224–255 Open
9	Dimmer	0	
10	Color Mix Mode	0	0–15 On Function 16–31 CTC Function 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–111 Color Bounce 112–255 No Function (TBD)

Extended-1 (continued)

Ch	Function	Default	DMX values
11	Color1Wheel Index	0	
12	Color Wheel	0	
13	Red	0	
14	Green	0	
15	Blue	0	
16	White	0	
17	Zoom	0	
18	Foreground Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color
19	Background Color	0	0–15 No Color 16–31 Red 32–47 Green 48–63 Blue 64–79 White 80–95 Yellow 96–111 Magenta 112–127 Cyan 128–255 Full Color
20	Color Macro1	0	0–31 Static 32–47 Dynamic Pattern 1 48–63 Dynamic Pattern 2 64–79 Dynamic Pattern 3 80–95 Dynamic Pattern 4 96–111 Dynamic Pattern 5 112–127 Dynamic Pattern 6 128–143 Dynamic Pattern 7 144–159 Dynamic Pattern 8 160–175 Dynamic Pattern 9 176–191 Dynamic Pattern 10 192–207 Dynamic Pattern 11 208–223 Dynamic Pattern 12 224–239 Dynamic Pattern 13 240–255 Dynamic Pattern 14
21	Color Macro1Rate	0	0–3 Stop 4–127 Forward S>F 128–131 Stop 132–255 Reverse S>F
22	Color Macro2	0	
23	Color Macro3	0	
24	Color Macro4	0	
25	Color Macro5	0	

Extended-1 (continued)

Ch	Function	Default	DMX values
26	Control1	0	0–7 Normal 8–15 Reset All 16–23 Pan Tilt Reset 24–47 No Function (TBD) 48–55 Other Reset 56–63 Display Off 64–71 Display On 72–87 No Function (TBD) 88–97 Hibernation 98–255 No Function (TBD)