Prolights

Diamond 19



Manufacturer	**Prolights**
Type	**Moving head**
DMX modes	**5**
DMX footprint	**18, 19, 20, 32, 98 channels**
Beam angle	**6-66°**
Pan range	**630°**
Tilt range	**265°**
Heads / cells	**2**
Size (W × H × D)	**151 × 231 × 151 mm**
GDTF fixture type	**4BCDA896-982F-4805-A97E-F0…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic-8	18 ch
Standard	19 ch
Basic-16	20 ch
Extended 1	32 ch
Extended 2	98 ch

Basic-8

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 max Track 255–255 min Track
4	Shutter / Strobe	48	0–31 closed 32–255 open
5	Dimmer	0	0–254 closed 255–255 open
6	Color Mix Mode	0	0–15 entry 0 16–31 CTC 32–47 Forward spin 48–63 Reverse spin 64–79 Continuous 80–111 Colour Bounce 112–255 entry 0 (2)
7	C OLORMIXER	0	
8	C OLORMIXER2	0	0–0 entry 0 1–1 Red 2–2 Green 3–3 Blue 4–4 White 5–46 Red 0%/green increasing/blue 100%/white 0% 47–88 Red 0%/green 100%/blue decreasing/white 0% 89–130 Red increasing/green 100%/blue 0%/white 0% 131–172 Red 100%/green decreasing/blue 0%/white 0% 173–214 Red 100%/green 0%/blue increasing/white 0% 215–255 Red decreasing/green 0%/blue 100%/white 0%
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
14	C OLORMIXER3	0	
15	C OLORMIXER4	0	
16	C OLORMIXER5	0	0–15 On pattern 16–31 Pattern control 32–47 Pattern effect 1 48–63 Pattern effect 2 64–79 Pattern effect 3 80–95 Pattern effect 4 96–111 Pattern effect 5 112–127 Pattern effect 6 128–143 Pattern effect 7 144–159 Pattern effect 8 160–175 Pattern effect 9 176–191 Pattern effect 10 192–207 Pattern effect 11 208–223 Pattern effect 12 224–239 Pattern effect 13 240–255 Pattern effect 14
17	C OLORMIXER6	0	

Basic-8 (continued)

Ch	Function	Default	DMX values
18	Fixture Global Reset	0	0–7 NoFeature 1 8–15 Reset 16–23 PosReset 24–47 NoFeature 4 48–55 NonPosReset 56–63 Display 0% 64–71 Display 100% 72–87 NoFeature 7 88–95 FixtureSleep 96–255 NoFeature 9

Standard

19 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 max Track 255–255 min Track
4	Strobe Mode	0	0–15 Normal 16–31 Pulse Open 32–47 Pulse Close 48–63 Rnd 64–255 None
5	Shutter / Strobe	0	
6	Dimmer	0	0–254 closed 255–255 open
7	Color Mix Mode	0	0–15 entry 0 16–31 CTC 32–47 Forward spin 48–63 Reverse spin 64–79 Continuous 80–111 Colour Bounce 112–255 entry 0 (2)
8	C OLORMIXER	0	
9	C OLORMIXER2	0	0–0 entry 0 1–1 Red 2–2 Green 3–3 Blue 4–4 White 5–46 Red 0%/green increasing/blue 100%/white 0% 47–88 Red 0%/green 100%/blue decreasing/white 0% 89–130 Red increasing/green 100%/blue 0%/white 0% 131–172 Red 100%/green decreasing/blue 0%/white 0% 173–214 Red 100%/green 0%/blue increasing/white 0% 215–255 Red decreasing/green 0%/blue 100%/white 0%
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	0	
14	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
15	C OLORMIXER3	0	
16	C OLORMIXER4	0	

Standard (continued)

Ch	Function	Default	DMX values
17	C OLORMIXER5	0	0–15 On pattern 16–31 Pattern control 32–47 Pattern effect 1 48–63 Pattern effect 2 64–79 Pattern effect 3 80–95 Pattern effect 4 96–111 Pattern effect 5 112–127 Pattern effect 6 128–143 Pattern effect 7 144–159 Pattern effect 8 160–175 Pattern effect 9 176–191 Pattern effect 10 192–207 Pattern effect 11 208–223 Pattern effect 12 224–239 Pattern effect 13 240–255 Pattern effect 14
18	C OLORMIXER6	0	
19	Fixture Global Reset	0	0–7 NoFeature 1 8–15 Reset 16–23 PosReset 24–47 NoFeature 4 48–55 NonPosReset 56–63 Display 0% 64–71 Display 100% 72–87 NoFeature 7 88–95 FixtureSleep 96–255 NoFeature 9

Basic-16

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	0–254 max Track 255–255 min Track
6	Shutter / Strobe	48	0–31 closed 32–255 open
7	Dimmer	0	0–254 closed 255–255 open
8	Color Mix Mode	0	0–15 entry 0 16–31 CTC 32–47 Forward spin 48–63 Reverse spin 64–79 Continuous 80–111 Colour Bounce 112–255 entry 0 (2)
9	C OLORMIXER	0	

Basic-16 (continued)

Ch	Function	Default	DMX values
10	C OLORMIXER2	0	0–0 entry 0 1–1 Red 2–2 Green 3–3 Blue 4–4 White 5–46 Red 0%/green increasing/blue 100%/white 0% 47–88 Red 0%/green 100%/blue decreasing/white 0% 89–130 Red increasing/green 100%/blue 0%/white 0% 131–172 Red 100%/green decreasing/blue 0%/white 0% 173–214 Red 100%/green 0%/blue increasing/white 0% 215–255 Red decreasing/green 0%/blue 100%/white 0%
11	Red	255	
12	Green	255	
13	Blue	255	
14	White	0	
15	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
16	C OLORMIXER3	0	
17	C OLORMIXER4	0	
18	C OLORMIXER5	0	0–15 On pattern 16–31 Pattern control 32–47 Pattern effect 1 48–63 Pattern effect 2 64–79 Pattern effect 3 80–95 Pattern effect 4 96–111 Pattern effect 5 112–127 Pattern effect 6 128–143 Pattern effect 7 144–159 Pattern effect 8 160–175 Pattern effect 9 176–191 Pattern effect 10 192–207 Pattern effect 11 208–223 Pattern effect 12 224–239 Pattern effect 13 240–255 Pattern effect 14
19	C OLORMIXER6	0	
20	Fixture Global Reset	0	0–7 NoFeature 1 8–15 Reset 16–23 PosReset 24–47 NoFeature 4 48–55 NonPosReset 56–63 Display 0% 64–71 Display 100% 72–87 NoFeature 7 88–95 FixtureSleep 96–255 NoFeature 9

Extended 1

32 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

Extended 1 (continued)

Ch	Function	Default	DMX values
5	Position MSpeed	0	0–254 max Track 255–255 min Track
6	P OSITIONBLINK	0	0–15 off 16–31 on 32–255 off (2)
7	Strobe Mode	0	0–15 Normal 16–31 Pulse Open 32–47 Pulse Close 48–63 Rnd 64–255 None
8	Shutter / Strobe	0	
9	Dimmer	0	0–254 closed 255–255 open
10	Color Mix Mode	0	0–15 entry 0 16–31 CTC 32–47 Forward spin 48–63 Reverse spin 64–79 Continuous 80–111 Colour Bounce 112–255 entry 0 (2)
11	C OLORMIXER	0	
12	C OLORMIXER2	0	0–0 entry 0 1–1 Red 2–2 Green 3–3 Blue 4–4 White 5–46 Red 0%/green increasing/blue 100%/white 0% 47–88 Red 0%/green 100%/blue decreasing/white 0% 89–130 Red increasing/green 100%/blue 0%/white 0% 131–172 Red 100%/green decreasing/blue 0%/white 0% 173–214 Red 100%/green 0%/blue increasing/white 0% 215–255 Red decreasing/green 0%/blue 100%/white 0%
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
18	C OLORMIXER3	0	
19	C OLORMIXER4	0	
20	C OLORMIXER5	0	0–15 On pattern 16–31 Pattern control 32–47 Pattern effect 1 48–63 Pattern effect 2 64–79 Pattern effect 3 80–95 Pattern effect 4 96–111 Pattern effect 5 112–127 Pattern effect 6 128–143 Pattern effect 7 144–159 Pattern effect 8 160–175 Pattern effect 9 176–191 Pattern effect 10 192–207 Pattern effect 11 208–223 Pattern effect 12 224–239 Pattern effect 13 240–255 Pattern effect 14

Extended 1 (continued)

Ch	Function	Default	DMX values
21	C OLORMIXER6	0	
22	C OLORMIXER7	0	
23	C OLORMIXER8	0	
24	C OLORMIXER9	0	
25	C OLORMIXER10	0	
26	C OLORMIXER11	0	
27	C OLORMIXER12	0	
28	C OLORMIXER13	0	
29	C OLORMIXER14	0	
30	C OLORMIXER15	0	
31	C OLORMIXER16	0	
32	Fixture Global Reset	0	0–7 NoFeature 1 8–15 Reset 16–23 PosReset 24–47 NoFeature 4 48–55 NonPosReset 56–63 Display 0% 64–71 Display 100% 72–87 NoFeature 7 88–95 FixtureSleep 96–255 NoFeature 9

Extended 2

98 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Position MSpeed	0	
6	P OSITIONBLINK	0	
7	Strobe Mode	0	
8	Shutter / Strobe	0	
9	Dimmer	0	
10	Color Mix Mode	0	
11	C OLORMIXER	0	
12	C OLORMIXER2	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Zoom	128	
18	F OREGROUNDCOLOURMIX	0	
19	B ACKGROUNDCOLOURMIX	0	
20	C OLORMIXER3	0	
21	C OLORMIXER4	0	
22	Reserved 22	0	
23	Reserved 23	0	

Extended 2 (continued)

Ch	Function	Default	DMX values
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	

Extended 2 (continued)

Ch	Function	Default	DMX values
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Fixture Global Reset	0	