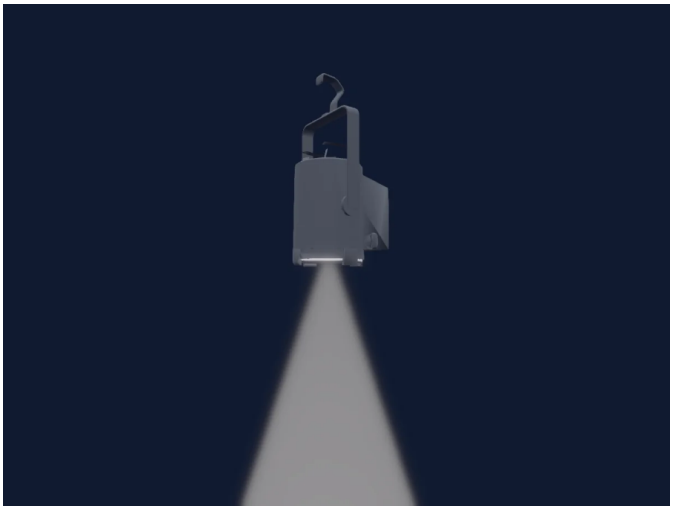
Prolights

EclFresnelTW



Manufacturer	**Prolights**
Type	**Spot**
DMX modes	**13**
DMX footprint	**1, 2, 5, 7, 8, 9, 12, 13, 16, 19, 21 channels**
Beam angle	**17-57°**
Pan range	**360°**
Tilt range	**360°**
Size (W × H × D)	**30 × 122 × 84 mm**
GDTF fixture type	**639688A6-31E8-4C0B-84A1-F0…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer

DMX modes

1ch	1 ch
2ch	2 ch
5ch1	5 ch
5ch2	5 ch
7ch1	7 ch
7ch2	7 ch
8ch	8 ch
9ch	9 ch
12ch	12 ch
13ch	13 ch
16ch	16 ch
19ch	19 ch
21ch	21 ch

1ch

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

2ch

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

5ch1

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	0	0–10 2800K-3000K (wheel slot 1) 11–17 3000K-3200K (wheel slot 2) 18–24 3200K-3400K (wheel slot 3) 25–31 3400K-3600K (wheel slot 4) 32–38 3600K-3800K (wheel slot 5) 39–45 3800K-4000K (wheel slot 6) 46–52 4000K-4200K (wheel slot 7) 53–59 4200K-4400K (wheel slot 8) 60–66 4400K-4600K (wheel slot 9) 67–73 4600K-4800K (wheel slot 10) 74–80 4800K-5000K (wheel slot 11) 81–87 5000K-5200K (wheel slot 12) 88–94 5200K-5400K (wheel slot 13) 95–101 5400K-5600K (wheel slot 14) 102–108 5600K-5800K (wheel slot 15) 109–115 5800K-6000K (wheel slot 16) 116–122 6000K-6200K (wheel slot 17) 123–129 6200K-6400K (wheel slot 18) 130–136 6400K-6600K (wheel slot 19) 137–143 6600K-6800K (wheel slot 20) 144–150 6800K-7000K (wheel slot 21) 151–157 7000K-7200K (wheel slot 22) 158–164 7200K-7400K (wheel slot 23) 165–171 7400K-7600K (wheel slot 24) 172–178 7600K-7800K (wheel slot 25) 179–185 7800K-8000K (wheel slot 26) 186–192 8000K-8200K (wheel slot 27) 193–199 8200K-8400K (wheel slot 28) 200–206 8400K-8600K (wheel slot 29) 207–213 8600K-8800K (wheel slot 30) 214–220 8800K-9000K (wheel slot 31) 221–227 9000K-9200K (wheel slot 32) 228–234 9200K-9400K (wheel slot 33) 235–241 9400K-9600K (wheel slot 34) 242–249 9600K-98000K (wheel slot 35) 250–252 9800K-10000K (wheel slot 36) 253–255 ColorMIx

5ch1 (continued)

Ch	Function	Default	DMX values
3	Tint	0	0–0 Tint 0 1–126 Tint -25 127–127 Tint 0 128–254 Tint 0 255–255 Tint 25
4	Color Macro1	0	0–2 NoFunction 3–5 AmberShiftOn 6–40 Red (wheel slot 1) 41–75 Red+Green (wheel slot 2) 76–109 Green (wheel slot 3) 110–145 Green + Blue (wheel slot 4) 146–180 Blue (wheel slot 5) 181–215 Blue + Red (wheel slot 6) 216–254 Red 1 (wheel slot 7) 255–255 RGB (wheel slot 8)
5	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

5ch2

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer

5ch2 (continued)

Ch	Function	Default	DMX values
3	C TC	0	0–10 2800K-3000K (wheel slot 1) 11–17 3000K-3200K (wheel slot 2) 18–24 3200K-3400K (wheel slot 3) 25–31 3400K-3600K (wheel slot 4) 32–38 3600K-3800K (wheel slot 5) 39–45 3800K-4000K (wheel slot 6) 46–52 4000K-4200K (wheel slot 7) 53–59 4200K-4400K (wheel slot 8) 60–66 4400K-4600K (wheel slot 9) 67–73 4600K-4800K (wheel slot 10) 74–80 4800K-5000K (wheel slot 11) 81–87 5000K-5200K (wheel slot 12) 88–94 5200K-5400K (wheel slot 13) 95–101 5400K-5600K (wheel slot 14) 102–108 5600K-5800K (wheel slot 15) 109–115 5800K-6000K (wheel slot 16) 116–122 6000K-6200K (wheel slot 17) 123–129 6200K-6400K (wheel slot 18) 130–136 6400K-6600K (wheel slot 19) 137–143 6600K-6800K (wheel slot 20) 144–150 6800K-7000K (wheel slot 21) 151–157 7000K-7200K (wheel slot 22) 158–164 7200K-7400K (wheel slot 23) 165–171 7400K-7600K (wheel slot 24) 172–178 7600K-7800K (wheel slot 25) 179–185 7800K-8000K (wheel slot 26) 186–192 8000K-8200K (wheel slot 27) 193–199 8200K-8400K (wheel slot 28) 200–206 8400K-8600K (wheel slot 29) 207–213 8600K-8800K (wheel slot 30) 214–220 8800K-9000K (wheel slot 31) 221–227 9000K-9200K (wheel slot 32) 228–234 9200K-9400K (wheel slot 33) 235–241 9400K-9600K (wheel slot 34) 242–249 9600K-98000K (wheel slot 35) 250–252 9800K-10000K (wheel slot 36) 253–255 ColorMIx
4	Color Macro1	0	0–2 NoFunction 3–5 AmberShiftOn 6–40 Red (wheel slot 1) 41–75 Red+Green (wheel slot 2) 76–109 Green (wheel slot 3) 110–145 Green + Blue (wheel slot 4) 146–180 Blue (wheel slot 5) 181–215 Blue + Red (wheel slot 6) 216–254 Red 1 (wheel slot 7) 255–255 RGB (wheel slot 8)
5	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

7ch1

7 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Color Add RY	0	
3	Green	255	

7ch1 (continued)

Ch	Function	Default	DMX values
4	Color Add BC	0	
5	Blue	255	
6	Color Add GY	0	
7	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

7ch2

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	255	
3	Color Add RY	0	
4	Green	255	
5	Color Add BC	0	
6	Blue	255	
7	Color Add GY	0	

8ch

8 channels

Ch	Function	Default	DMX values
1	Color Macro1	0	
2	Dimmer	0	0–254 Closed 255–255 Open
3	Red	255	
4	Color Add RY	0	
5	Green	255	
6	Color Add BC	0	
7	Blue	255	
8	Color Add GY	0	

9ch

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	255	
3	Color Add RY	0	
4	Green	255	
5	Color Add BC	0	
6	Blue	255	
7	Color Add GY	0	
8	Shutter / Strobe	10	0–10 Open 11–92 Strobe · Slow 0.9–5.58 Hz 93–173 Strobe · Mid 5.64–10.3 Hz 174–255 Strobe · Fast 10.3–15 Hz

9ch (continued)

Ch	Function	Default	DMX values
9	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

12ch

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	10	0–10 Open 11–92 Strobe · Slow 0.9–5.58 Hz 93–173 Strobe · Mid 5.64–10.3 Hz 174–255 Strobe · Fast 10.3–15 Hz
3	Red	255	
4	Color Add RY	0	
5	Green	255	
6	Color Add BC	0	
7	Blue	255	
8	Color Add GY	0	
9	C TC	0	0–10 2800K-3000K (wheel slot 1) 11–17 3000K-3200K (wheel slot 2) 18–24 3200K-3400K (wheel slot 3) 25–31 3400K-3600K (wheel slot 4) 32–38 3600K-3800K (wheel slot 5) 39–45 3800K-4000K (wheel slot 6) 46–52 4000K-4200K (wheel slot 7) 53–59 4200K-4400K (wheel slot 8) 60–66 4400K-4600K (wheel slot 9) 67–73 4600K-4800K (wheel slot 10) 74–80 4800K-5000K (wheel slot 11) 81–87 5000K-5200K (wheel slot 12) 88–94 5200K-5400K (wheel slot 13) 95–101 5400K-5600K (wheel slot 14) 102–108 5600K-5800K (wheel slot 15) 109–115 5800K-6000K (wheel slot 16) 116–122 6000K-6200K (wheel slot 17) 123–129 6200K-6400K (wheel slot 18) 130–136 6400K-6600K (wheel slot 19) 137–143 6600K-6800K (wheel slot 20) 144–150 6800K-7000K (wheel slot 21) 151–157 7000K-7200K (wheel slot 22) 158–164 7200K-7400K (wheel slot 23) 165–171 7400K-7600K (wheel slot 24) 172–178 7600K-7800K (wheel slot 25) 179–185 7800K-8000K (wheel slot 26) 186–192 8000K-8200K (wheel slot 27) 193–199 8200K-8400K (wheel slot 28) 200–206 8400K-8600K (wheel slot 29) 207–213 8600K-8800K (wheel slot 30) 214–220 8800K-9000K (wheel slot 31) 221–227 9000K-9200K (wheel slot 32) 228–234 9200K-9400K (wheel slot 33) 235–241 9400K-9600K (wheel slot 34) 242–249 9600K-98000K (wheel slot 35) 250–252 9800K-10000K (wheel slot 36) 253–255 ColorMIx

12ch (continued)

Ch	Function	Default	DMX values
10	Tint	0	0–0 Tint 0 1–126 Tint -25 127–127 Tint 0 128–254 Tint 0 255–255 Tint 25
11	Color Macro1	0	0–2 NoFunction 3–5 AmberShiftOn 6–40 Red (wheel slot 1) 41–75 Red+Green (wheel slot 2) 76–109 Green (wheel slot 3) 110–145 Green + Blue (wheel slot 4) 146–180 Blue (wheel slot 5) 181–215 Blue + Red (wheel slot 6) 216–254 Red 1 (wheel slot 7) 255–255 RGB (wheel slot 8)
12	Dimmer Curve	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

13ch

13 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Color Add RY	0	
4	Color Add RY Fine	0	Fine byte of Color Add RY
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Color Add BC	0	
8	Color Add BC Fine	0	Fine byte of Color Add BC
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	Color Add GY	0	
12	Color Add GY Fine	0	Fine byte of Color Add GY
13	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

16ch

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Color Add RY	0	
6	Color Add RY Fine	0	Fine byte of Color Add RY

16ch (continued)

Ch	Function	Default	DMX values
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Color Add BC	0	
10	Color Add BC Fine	0	Fine byte of Color Add BC
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	Color Add GY	0	
14	Color Add GY Fine	0	Fine byte of Color Add GY
15	Shutter / Strobe	10	0–10 Open 11–92 Strobe · Slow 0.9–5.58 Hz 93–173 Strobe · Mid 5.64–10.3 Hz 174–255 Strobe · Fast 10.3–15 Hz
16	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

19ch

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Color Add RY	0	
6	Color Add RY Fine	0	Fine byte of Color Add RY
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Color Add BC	0	
10	Color Add BC Fine	0	Fine byte of Color Add BC
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	Color Add GY	0	
14	Color Add GY Fine	0	Fine byte of Color Add GY
15	Shutter / Strobe	10	0–10 Open 11–92 Strobe · Slow 0.9–5.58 Hz 93–173 Strobe · Mid 5.64–10.3 Hz 174–255 Strobe · Fast 10.3–15 Hz

19ch (continued)

Ch	Function	Default	DMX values
16	C TC	0	0–10 2800K-3000K (wheel slot 1) 11–17 3000K-3200K (wheel slot 2) 18–24 3200K-3400K (wheel slot 3) 25–31 3400K-3600K (wheel slot 4) 32–38 3600K-3800K (wheel slot 5) 39–45 3800K-4000K (wheel slot 6) 46–52 4000K-4200K (wheel slot 7) 53–59 4200K-4400K (wheel slot 8) 60–66 4400K-4600K (wheel slot 9) 67–73 4600K-4800K (wheel slot 10) 74–80 4800K-5000K (wheel slot 11) 81–87 5000K-5200K (wheel slot 12) 88–94 5200K-5400K (wheel slot 13) 95–101 5400K-5600K (wheel slot 14) 102–108 5600K-5800K (wheel slot 15) 109–115 5800K-6000K (wheel slot 16) 116–122 6000K-6200K (wheel slot 17) 123–129 6200K-6400K (wheel slot 18) 130–136 6400K-6600K (wheel slot 19) 137–143 6600K-6800K (wheel slot 20) 144–150 6800K-7000K (wheel slot 21) 151–157 7000K-7200K (wheel slot 22) 158–164 7200K-7400K (wheel slot 23) 165–171 7400K-7600K (wheel slot 24) 172–178 7600K-7800K (wheel slot 25) 179–185 7800K-8000K (wheel slot 26) 186–192 8000K-8200K (wheel slot 27) 193–199 8200K-8400K (wheel slot 28) 200–206 8400K-8600K (wheel slot 29) 207–213 8600K-8800K (wheel slot 30) 214–220 8800K-9000K (wheel slot 31) 221–227 9000K-9200K (wheel slot 32) 228–234 9200K-9400K (wheel slot 33) 235–241 9400K-9600K (wheel slot 34) 242–249 9600K-98000K (wheel slot 35) 250–252 9800K-10000K (wheel slot 36) 253–255 ColorMIx
17	Tint	0	0–0 Tint 0 1–126 Tint -25 127–127 Tint 0 128–254 Tint 0 255–255 Tint 25
18	Color Macro1	0	0–2 NoFunction 3–5 AmberShiftOn 6–40 Red (wheel slot 1) 41–75 Red+Green (wheel slot 2) 76–109 Green (wheel slot 3) 110–145 Green + Blue (wheel slot 4) 146–180 Blue (wheel slot 5) 181–215 Blue + Red (wheel slot 6) 216–254 Red 1 (wheel slot 7) 255–255 RGB (wheel slot 8)
19	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow

21ch

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–30 Open 31–99 Strobe slow 100–100 Strobe fast 101–130 Open 131–199 Random Slow 200–200 Random Fast 201–255 Open
4	C TC	0	0–7 2800K-3000K (wheel slot 1) 8–14 3000K-3200K (wheel slot 2) 15–21 3200K-3400K (wheel slot 3) 22–28 3400K-3600K (wheel slot 4) 29–35 3600K-3800K (wheel slot 5) 36–42 3800K-4000K (wheel slot 6) 43–49 4000K-4200K (wheel slot 7) 50–56 4200K-4400K (wheel slot 8) 57–63 4400K-4600K (wheel slot 9) 64–70 4600K-4800K (wheel slot 10) 71–77 4800K-5000K (wheel slot 11) 78–84 5000K-5200K (wheel slot 12) 85–91 5200K-5400K (wheel slot 13) 92–98 5400K-5600K (wheel slot 14) 99–105 5600K-5800K (wheel slot 15) 106–112 5800K-6000K (wheel slot 16) 113–119 6000K-6200K (wheel slot 17) 120–126 6200K-6400K (wheel slot 18) 127–133 6400K-6600K (wheel slot 19) 134–140 6600K-6800K (wheel slot 20) 141–147 6800K-7000K (wheel slot 21) 148–154 7000K-7200K (wheel slot 22) 155–161 7200K-7400K (wheel slot 23) 162–168 7400K-7600K (wheel slot 24) 169–175 7600K-7800K (wheel slot 25) 176–182 7800K-8000K (wheel slot 26) 183–189 8000K-8200K (wheel slot 27) 190–196 8200K-8400K (wheel slot 28) 197–203 8400K-8600K (wheel slot 29) 204–210 8600K-8800K (wheel slot 30) 211–217 8800K-9000K (wheel slot 31) 218–224 9000K-9200K (wheel slot 32) 225–231 9200K-9400K (wheel slot 33) 232–238 9400K-9600K (wheel slot 34) 239–245 9600K-98000K (wheel slot 35) 246–255 9800K-10000K (wheel slot 36)
5	Tint	0	0–125 Tint 0 126–126 Tint -25 127–127 Tint 0 128–254 Tint 0 255–255 Tint 25
6	Color Xfade	0	0–254 CTC 255–255 ColorMix
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Color Add RY	0	
10	Color Add RY Fine	0	Fine byte of Color Add RY
11	Green	255	

21ch (continued)

Ch	Function	Default	DMX values
12	Green Fine	255	Fine byte of Green
13	Color Add BC	0	
14	Color Add BC Fine	0	Fine byte of Color Add BC
15	Blue	255	
16	Blue Fine	255	Fine byte of Blue
17	Color Add GY	0	
18	Color Add GY Fine	0	Fine byte of Color Add GY
19	Color Macro1	0	0–2 NoFunction 3–5 AmberShiftOn 6–40 Red (wheel slot 1) 41–75 Red+Green (wheel slot 2) 76–109 Green (wheel slot 3) 110–145 Green + Blue (wheel slot 4) 146–180 Blue (wheel slot 5) 181–215 Blue + Red (wheel slot 6) 216–254 Red 1 (wheel slot 7) 255–255 RGB (wheel slot 8)
20	Color Control	0	0–254 CTO On Colors off 255–255 CTO On Colors on
21	Dimmer Mode	0	0–51 AsFromMenu 52–101 DimmerCurveOff 102–152 DimmerCurveFast 153–203 DimmerCurveMiddle 204–255 DimmerCurveSlow