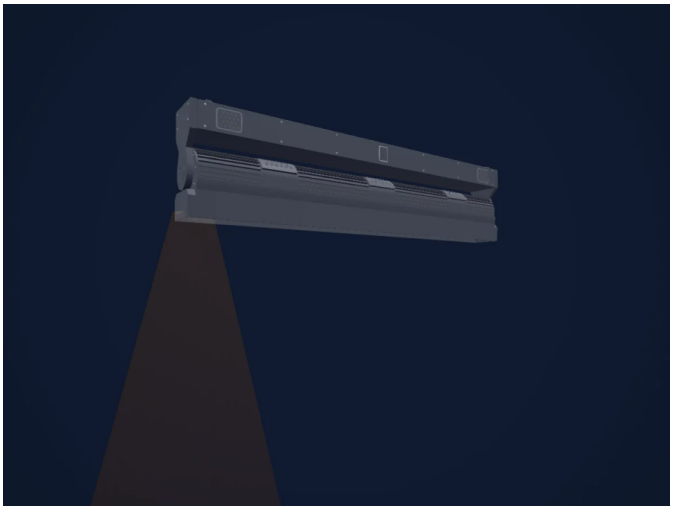
GLP

impression X4 Bar 20



Manufacturer	**GLP**
Type	**Moving head**
DMX modes	**7**
DMX footprint	**19, 33, 34, 48, 49, 88, 89 channels**
Beam angle	**7-50°**
Tilt range	**210°**
Heads / cells	**20**
Size (W × H × D)	**996 × 154 × 100 mm**
GDTF fixture type	**B6AC1910-94BC-41CB-853F-60…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Animation wheel · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

Comp	19 ch
Norm	33 ch
High Resolution	34 ch
Dual Pixel Mode	48 ch
Dual Pixel High Resolution	49 ch
Single Pixel Mode	88 ch
Single Pixel High Resolution	89 ch

Comp

19 channels

Ch	Function	Default	DMX values
1	Reserved 1	0	
2	Reserved 2	0	
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Color1Wheel Index	0	0–7 Color Adjustable Via RGB 8–15 RED 16–23 Amber 24–31 Warm Yellow 32–39 Yellow 40–47 Green 48–55 Turquoise 56–63 Cyan 64–71 Blue 72–79 Lavender 80–87 Malve 88–95 Magenta 96–103 Pink 104–111 CTO 112–119 White 120–127 CTB 128–128 Rainbow Effect Stop 129–223 Rainbow Effect 224–255 Rainbow Colors
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	0	
10	Shutter1Strobe	255	0–15 Shutter Closed 16–47 Pulse Random 48–79 Fade On Snap Off 80–111 Snap On Fade Off 112–143 Fade on Fade Off 144–199 Strobe Random 200–239 Strobe Effect 240–255 Shutter Open
11	Dimmer	0	
12	C TO	0	0–7 No CTO 8–255 Continuous Color Temperature Correction

Comp (continued)

Ch	Function	Default	DMX values
13	Fixture Global Reset	0	0–3 No Miror 4–7 Miror Color Priority 8–119 Miror Color Mixing 120–123 Tilt Slow Mode Off 124–127 Tilt Slow Mode On 128–131 Tilt Current Off 132–135 Tilt Current On 136–139 Tilt Reset Off 140–143 Tilt Reset On 144–147 Display Flip Off 148–151 Display Flip On 152–155 DMX Mode DPixH 156–159 DMX Mode SPixH 160–163 DMX Mode High Resolution 164–167 DMX Mode Normal 168–171 DMX Mode Compressed 172–175 DMX Mode DPix 176–179 DMX Mode SPix 180–183 Dim Curve ESoft 184–187 Dim Curve Soft 188–191 Dim Curve Lin 192–195 X4 Compatibility Off 196–199 X4 Compatibility On 200–203 Silent Mode Off 204–207 Silent Mode On 208–211 Position Feedback Off 212–215 Position Feedback On 216–219 DMX Hold Off 220–223 DMX Hold On 224–227 Tilt Inverse Off 228–231 Tilt Inverse On 232–235 Pixel Inverse Off 236–239 Pixel Inverse On 240–243 Zoom inverse Off 244–247 Zoom Inverse On 248–251 Fixture Default 252–255 Fixture Reset
14	Color Mix MSpeed	0	
15	Gobo Rotation	0	
16	Zoom	127	0–253 Narrow 254–255 Wide
17	Gobo1Wheel Index	0	
18	Animation Wheel1	0	
19	Animation Wheel2	0	

Norm

33 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Zoom	127	0–253 Wide 254–255 Narrow
4	C TO	0	0–7 No CTO 8–255 Continuous Color Temperature Correction

Norm (continued)

Ch	Function	Default	DMX values
5	Color1Wheel Index	0	0–7 Color Adjustable Via RGB 8–15 RED 16–23 Amber 24–31 Warm Yellow 32–39 Yellow 40–47 Green 48–55 Turquoise 56–63 Cyan 64–71 Blue 72–79 Lavender 80–87 Malve 88–95 Magenta 96–103 Pink 104–111 CTO 112–119 White 120–127 CTB 128–128 Rainbow Effect Stop 129–223 Rainbow Effect 224–255 Rainbow Colors
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	0	
10	Dimmer	255	
11	Shutter / Strobe	255	0–15 Shutter Closed 16–47 Pulse Random 0.125–10 Hz 48–79 Fade On Snap Off 80–111 Snap On Fade Off 112–143 Fade on Fade Off 144–199 Strobe Random 5–0.1 Hz 200–239 Strobe Effect 1–10 Hz 240–255 Shutter Open
12	Dimmer	0	

Norm (continued)

Ch	Function	Default	DMX values
13	Fixture Global Reset	0	0–3 No Miror 4–7 Miror Color Priority 8–119 Miror Color Mixing 120–123 Tilt Slow Mode Off 124–127 Tilt Slow Mode On 128–131 Tilt Current Off 132–135 Tilt Current On 136–139 Tilt Reset Off 140–143 Tilt Reset On 144–147 Display Flip Off 148–151 Display Flip On 152–155 DMX Mode DPixH 156–159 DMX Mode SPixH 160–163 DMX Mode High Resolution 164–167 DMX Mode Normal 168–171 DMX Mode Compressed 172–175 DMX Mode DPix 176–179 DMX Mode SPix 180–183 Dim Curve ESoft 184–187 Dim Curve Soft 188–191 Dim Curve Lin 192–195 X4 Compatibility Off 196–199 X4 Compatibility On 200–203 Silent Mode Off 204–207 Silent Mode On 208–211 Position Feedback Off 212–215 Position Feedback On 216–219 DMX Hold Off 220–223 DMX Hold On 224–227 Tilt Inverse Off 228–231 Tilt Inverse On 232–235 Pixel Inverse Off 236–239 Pixel Inverse On 240–243 Zoom inverse Off 244–247 Zoom Inverse On 248–251 Fixture Default 252–255 Fixture Reset
14	Color1Wheel Index	0	0–7 Color Adjustable Via RGB 8–15 RED 16–23 Amber 24–31 Warm Yellow 32–39 Yellow 40–47 Green 48–55 Turquoise 56–63 Cyan 64–71 Blue 72–79 Lavender 80–87 Malve 88–95 Magenta 96–103 Pink 104–111 CTO 112–119 White 120–127 CTB 128–128 Rainbow Effect Stop 129–223 Rainbow Effect 224–255 Rainbow Colors
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	0	
19	Dimmer	255	

Norm (continued)

Ch	Function	Default	DMX values
20	Color1Wheel Index	0	0–7 Color Adjustable Via RGB 8–15 RED 16–23 Amber 24–31 Warm Yellow 32–39 Yellow 40–47 Green 48–55 Turquoise 56–63 Cyan 64–71 Blue 72–79 Lavender 80–87 Malve 88–95 Magenta 96–103 Pink 104–111 CTO 112–119 White 120–127 CTB 128–128 Rainbow Effect Stop 129–223 Rainbow Effect 224–255 Rainbow Colors
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	0	
25	Dimmer	255	
26	Color Mix MSpeed	0	
27	Shutter1Strobe Effect	0	
28	Gobo1Wheel Index	0	
29	Gobo Rotation	0	
30	Gobo2Wheel Index	0	
31	Gobo Rotation 2	0	
32	Animation Wheel1	0	
33	Animation Wheel2	0	

High Resolution

34 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Zoom	127	0–253 Narrow 254–255 Wide
4	C TO	0	0–7 No CTO 8–255 Continuous Color Temperature Correction

High Resolution (continued)

Ch	Function	Default	DMX values
5	Color1Wheel Index	0	0–7 Color Adjustable Via RGB 8–15 RED 16–23 Amber 24–31 Warm Yellow 32–39 Yellow 40–47 Green 48–55 Turquoise 56–63 Cyan 64–71 Blue 72–79 Lavender 80–87 Malve 88–95 Magenta 96–103 Pink 104–111 CTO 112–119 White 120–127 CTB 128–128 Rainbow Effect Stop 129–223 Rainbow Effect 224–255 Rainbow Colors
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	0	
10	Dimmer	255	
11	Shutter / Strobe	255	0–15 Shutter Closed 16–47 Pulse Random 0.125–10 Hz 48–79 Fade On Snap Off 80–111 Snap On Fade Off 112–143 Fade on Fade Off 144–199 Strobe Random 5–0.1 Hz 200–239 Strobe Effect 1–10 Hz 240–255 Shutter Open
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer

High Resolution (continued)

Ch	Function	Default	DMX values
14	Fixture Global Reset	0	0–3 No Miror 4–7 Miror Color Priority 8–119 Miror Color Mixing 120–123 Tilt Slow Mode Off 124–127 Tilt Slow Mode On 128–131 Tilt Current Off 132–135 Tilt Current On 136–139 Tilt Reset Off 140–143 Tilt Reset On 144–147 Display Flip Off 148–151 Display Flip On 152–155 DMX Mode DPixH 156–159 DMX Mode SPixH 160–163 DMX Mode High Resolution 164–167 DMX Mode Normal 168–171 DMX Mode Compressed 172–175 DMX Mode DPix 176–179 DMX Mode SPix 180–183 Dim Curve ESoft 184–187 Dim Curve Soft 188–191 Dim Curve Lin 192–195 X4 Compatibility Off 196–199 X4 Compatibility On 200–203 Silent Mode Off 204–207 Silent Mode On 208–211 Position Feedback Off 212–215 Position Feedback On 216–219 DMX Hold Off 220–223 DMX Hold On 224–227 Tilt Inverse Off 228–231 Tilt Inverse On 232–235 Pixel Inverse Off 236–239 Pixel Inverse On 240–243 Zoom inverse Off 244–247 Zoom Inverse On 248–251 Fixture Default 252–255 Fixture Reset
15	Color1Wheel Index	0	0–7 Color Adjustable Via RGB 8–15 RED 16–23 Amber 24–31 Warm Yellow 32–39 Yellow 40–47 Green 48–55 Turquoise 56–63 Cyan 64–71 Blue 72–79 Lavender 80–87 Malve 88–95 Magenta 96–103 Pink 104–111 CTO 112–119 White 120–127 CTB 128–128 Rainbow Effect Stop 129–223 Rainbow Effect 224–255 Rainbow Colors
16	Red	255	
17	Green	255	
18	Blue	255	
19	White	0	
20	Dimmer	255	

High Resolution (continued)

Ch	Function	Default	DMX values
21	Color1Wheel Index	0	0–7 Color Adjustable Via RGB 8–15 RED 16–23 Amber 24–31 Warm Yellow 32–39 Yellow 40–47 Green 48–55 Turquoise 56–63 Cyan 64–71 Blue 72–79 Lavender 80–87 Malve 88–95 Magenta 96–103 Pink 104–111 CTO 112–119 White 120–127 CTB 128–128 Rainbow Effect Stop 129–223 Rainbow Effect 224–255 Rainbow Colors
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	0	
26	Dimmer	255	
27	Color Mix MSpeed	0	
28	Shutter1Strobe Effect	0	
29	Gobo1Wheel Index	0	
30	Gobo Rotation	0	
31	Gobo2Wheel Index	0	
32	Gobo Rotation 2	0	
33	Animation Wheel1	0	
34	Animation Wheel2	0	

Dual Pixel Mode

48 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Shutter / Strobe	255	0–15 Shutter Closed 16–47 Pulse Random 0.125–10 Hz 48–79 Fade On Snap Off 80–111 Snap On Fade Off 112–143 Fade on Fade Off 144–199 Strobe Random 5–0.1 Hz 200–239 Strobe Effect 1–10 Hz 240–255 Shutter Open
4	Dimmer	0	
5	C TO	0	0–7 No CTO 8–255 Continuous Color Temperature Correction

Dual Pixel Mode (continued)

Ch	Function	Default	DMX values
6	Fixture Global Reset	0	0–3 No Miror 4–7 Miror Color Priority 8–119 Miror Color Mixing 120–123 Tilt Slow Mode Off 124–127 Tilt Slow Mode On 128–131 Tilt Current Off 132–135 Tilt Current On 136–139 Tilt Reset Off 140–143 Tilt Reset On 144–147 Display Flip Off 148–151 Display Flip On 152–155 DMX Mode DPixH 156–159 DMX Mode SPixH 160–163 DMX Mode High Resolution 164–167 DMX Mode Normal 168–171 DMX Mode Compressed 172–175 DMX Mode DPix 176–179 DMX Mode SPix 180–183 Dim Curve ESoft 184–187 Dim Curve Soft 188–191 Dim Curve Lin 192–195 X4 Compatibility Off 196–199 X4 Compatibility On 200–203 Silent Mode Off 204–207 Silent Mode On 208–211 Position Feedback Off 212–215 Position Feedback On 216–219 DMX Hold Off 220–223 DMX Hold On 224–227 Tilt Inverse Off 228–231 Tilt Inverse On 232–235 Pixel Inverse Off 236–239 Pixel Inverse On 240–243 Zoom inverse Off 244–247 Zoom Inverse On 248–251 Fixture Default 252–255 Fixture Reset
7	Color Mix MSpeed	0	
8	Zoom	127	0–253 Narrow 254–255 Wide
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	White	0	
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	0	

Dual Pixel Mode (continued)

Ch	Function	Default	DMX values
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	White	0	
33	Red	255	
34	Green	255	
35	Blue	255	
36	White	0	
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	0	
41	Red	255	
42	Green	255	
43	Blue	255	
44	White	0	
45	Red	255	
46	Green	255	
47	Blue	255	
48	White	0	

Dual Pixel High Resolution

49 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Shutter / Strobe	255	0–15 Shutter Closed 16–47 Pulse Random 0.125–10 Hz 48–79 Fade On Snap Off 80–111 Snap On Fade Off 112–143 Fade on Fade Off 144–199 Strobe Random 5–0.1 Hz 200–239 Strobe Effect 1–10 Hz 240–255 Shutter Open
4	Dimmer	0	
5	Dimmer Fine	0	Fine byte of Dimmer
6	C TO	0	0–7 No CTO 8–255 Continuous Color Temperature Correction

Dual Pixel High Resolution (continued)

Ch	Function	Default	DMX values
7	Fixture Global Reset	0	0–3 No Miror 4–7 Miror Color Priority 8–119 Miror Color Mixing 120–123 Tilt Slow Mode Off 124–127 Tilt Slow Mode On 128–131 Tilt Current Off 132–135 Tilt Current On 136–139 Tilt Reset Off 140–143 Tilt Reset On 144–147 Display Flip Off 148–151 Display Flip On 152–155 DMX Mode DPixH 156–159 DMX Mode SPixH 160–163 DMX Mode High Resolution 164–167 DMX Mode Normal 168–171 DMX Mode Compressed 172–175 DMX Mode DPix 176–179 DMX Mode SPix 180–183 Dim Curve ESoft 184–187 Dim Curve Soft 188–191 Dim Curve Lin 192–195 X4 Compatibility Off 196–199 X4 Compatibility On 200–203 Silent Mode Off 204–207 Silent Mode On 208–211 Position Feedback Off 212–215 Position Feedback On 216–219 DMX Hold Off 220–223 DMX Hold On 224–227 Tilt Inverse Off 228–231 Tilt Inverse On 232–235 Pixel Inverse Off 236–239 Pixel Inverse On 240–243 Zoom inverse Off 244–247 Zoom Inverse On 248–251 Fixture Default 252–255 Fixture Reset
8	Color Mix MSpeed	0	
9	Zoom	127	0–253 Narrow 254–255 Wide
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	0	
14	Red	255	
15	Green	255	
16	Blue	255	
17	White	0	
18	Red	255	
19	Green	255	
20	Blue	255	
21	White	0	
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	0	

Dual Pixel High Resolution (continued)

Ch	Function	Default	DMX values
26	Red	255	
27	Green	255	
28	Blue	255	
29	White	0	
30	Red	255	
31	Green	255	
32	Blue	255	
33	White	0	
34	Red	255	
35	Green	255	
36	Blue	255	
37	White	0	
38	Red	255	
39	Green	255	
40	Blue	255	
41	White	0	
42	Red	255	
43	Green	255	
44	Blue	255	
45	White	0	
46	Red	255	
47	Green	255	
48	Blue	255	
49	White	0	

Single Pixel Mode

88 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Shutter / Strobe	255	0–15 Shutter Closed 16–47 Pulse Random 0.125–10 Hz 48–79 Fade On Snap Off 80–111 Snap On Fade Off 112–143 Fade on Fade Off 144–199 Strobe Random 5–0.1 Hz 200–239 Strobe Effect 1–10 Hz 240–255 Shutter Open
4	Dimmer	0	
5	C TO	0	
6	Fixture Global Reset	0	
7	Color Mix MSpeed	0	
8	Zoom	127	
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	

Single Pixel Mode (continued)

Ch	Function	Default	DMX values
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	White	0	
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	0	
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	White	0	
33	Red	255	
34	Green	255	
35	Blue	255	
36	White	0	
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	0	
41	Red	255	
42	Green	255	
43	Blue	255	
44	White	0	
45	Red	255	
46	Green	255	
47	Blue	255	
48	White	0	
49	Red	255	
50	Green	255	
51	Blue	255	
52	White	0	
53	Red	255	
54	Green	255	
55	Blue	255	
56	White	0	
57	Red	255	

Single Pixel Mode (continued)

Ch	Function	Default	DMX values
58	Green	255	
59	Blue	255	
60	White	0	
61	Red	255	
62	Green	255	
63	Blue	255	
64	White	0	
65	Red	255	
66	Green	255	
67	Blue	255	
68	White	0	
69	Red	255	
70	Green	255	
71	Blue	255	
72	White	0	
73	Red	255	
74	Green	255	
75	Blue	255	
76	White	0	
77	Red	255	
78	Green	255	
79	Blue	255	
80	White	0	
81	Red	255	
82	Green	255	
83	Blue	255	
84	White	0	
85	Red	255	
86	Green	255	
87	Blue	255	
88	White	0	

Single Pixel High Resolution

89 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Shutter / Strobe	255	0–15 Shutter Closed 16–47 Pulse Random 0.125–10 Hz 48–79 Fade On Snap Off 80–111 Snap On Fade Off 112–143 Fade on Fade Off 144–199 Strobe Random 5–0.1 Hz 200–239 Strobe Effect 1–10 Hz 240–255 Shutter Open
4	Dimmer	0	
5	Dimmer Fine	0	Fine byte of Dimmer

Single Pixel High Resolution (continued)

Ch	Function	Default	DMX values
6	C TO	0	
7	Fixture Global Reset	0	
8	Color Mix MSpeed	0	
9	Zoom	127	
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	0	
14	Red	255	
15	Green	255	
16	Blue	255	
17	White	0	
18	Red	255	
19	Green	255	
20	Blue	255	
21	White	0	
22	Red	255	
23	Green	255	
24	Blue	255	
25	White	0	
26	Red	255	
27	Green	255	
28	Blue	255	
29	White	0	
30	Red	255	
31	Green	255	
32	Blue	255	
33	White	0	
34	Red	255	
35	Green	255	
36	Blue	255	
37	White	0	
38	Red	255	
39	Green	255	
40	Blue	255	
41	White	0	
42	Red	255	
43	Green	255	
44	Blue	255	
45	White	0	
46	Red	255	
47	Green	255	
48	Blue	255	
49	White	0	
50	Red	255	

Single Pixel High Resolution (continued)

Ch	Function	Default	DMX values
51	Green	255	
52	Blue	255	
53	White	0	
54	Red	255	
55	Green	255	
56	Blue	255	
57	White	0	
58	Red	255	
59	Green	255	
60	Blue	255	
61	White	0	
62	Red	255	
63	Green	255	
64	Blue	255	
65	White	0	
66	Red	255	
67	Green	255	
68	Blue	255	
69	White	0	
70	Red	255	
71	Green	255	
72	Blue	255	
73	White	0	
74	Red	255	
75	Green	255	
76	Blue	255	
77	White	0	
78	Red	255	
79	Green	255	
80	Blue	255	
81	White	0	
82	Red	255	
83	Green	255	
84	Blue	255	
85	White	0	
86	Red	255	
87	Green	255	
88	Blue	255	
89	White	0	

Fixture model: gdtf-glp-impression-x4-bar-20-59461
Creator: HitLight
Modifications: Original HitLight 3D housing: scripted parametric geometry modelled by HitLight from public product photos and the manufactu...