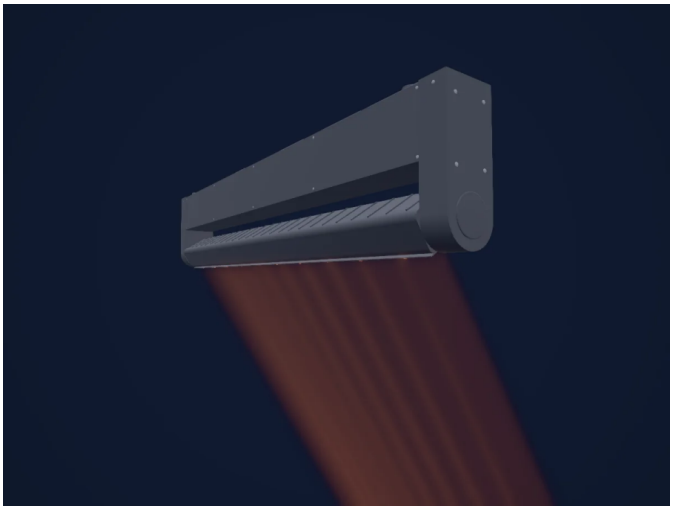
SHEHDS

LED Beam 10x40W RGBW Lighting



Manufacturer	**SHEHDS**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**5, 7, 14, 18, 42, 54 channels**
Beam angle	**2°**
Tilt range	**230°**
Heads / cells	**10**
Size (W × H × D)	**1104 × 230 × 93 mm**
GDTF fixture type	**66D65A7A-115A-53D4-95D0-64…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

5-Channel Mode	5 ch
7-Channel Mode	7 ch
14-Channel Mode	14 ch
18 Channel Mode	18 ch
42-Channel Mode	42 ch
54-Channel Mode	54 ch

5-Channel Mode

5 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	0	

7-Channel Mode

7 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Dimmer	0	
3	Shutter / Strobe	0	0–19 No effect (strobe off, assumed) 20–255 Stroboscopic from slow to fast 1–20 Hz
4	Red	0	
5	Green	0	
6	Blue	0	
7	White	0	

14-Channel Mode

14 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Dimmer	0	
4	Shutter / Strobe	0	0–19 No effect (strobe off, assumed) 20–255 Stroboscopic from slow to fast 1–20 Hz
5	Red	0	
6	Green	0	
7	Blue	0	
8	White	0	
9	Color Macro1	0	0–10 No effect 11–30 Red 100%, green 50-100-50%, blue 0 31–50 Red 100%-0, green 100%, blue, 0 51–70 Red 0, Green 100%, Blue 0-100% 71–90 Red 0, green 100%-0, blue 100% 91–110 Red 0-100%, green 0, blue 100% 111–130 Red 100%, green 0, blue 100%-0 131–150 Red 100%, green 0-100%, blue 0-100% 151–170 Red 100%-0, green 100%-0, blue 100% 171–200 Red 100%, green 100%, blue 100% 201–205 Macro color 1 206–210 Macro color 2 211–215 Macro color 3 216–220 Macro color 4 221–225 Macro color 5 226–230 Macro color 6 231–235 Macro color 7 236–240 Macro color 8 241–245 Macro color 9 246–250 Macro color 10 251–255 Macro color 11
10	Effects1Adjust3	0	

14-Channel Mode (continued)

Ch	Function	Default	DMX values
11	Effects1Adjust1	0	0–10 No effect 11–255 Background color
12	Effects1Adjust2	0	
13	Effect	0	0–10 No effect 11–15 scene 1 16–20 Scene 2 21–25 Scene 3 26–30 Scene 4 31–35 Scene 5 36–40 Scene 6 41–45 Scene 7 46–50 Scene 8 51–55 Scene 9 56–60 Scene 10 61–65 Scene 11 66–70 Scene 12 71–75 Scene 13 76–80 Scene 14 81–85 Scene 15 86–90 Scene 16 91–95 Scene 17 96–100 Scene 18 101–105 Scene 19 106–110 Scene 20 111–115 Scene 21 116–120 Scene 22 121–125 Scene 23 126–130 Scene 24 131–135 Scene 25 136–140 Scene 26 141–145 Scene 27 146–150 Scene 28 151–155 Scene 29 156–160 Scene 30 161–165 Scene 31 166–170 Scene 32 171–175 Scene 33 176–180 Scene 34 181–185 Scene 35 186–190 Scene 36 191–195 Scene 37 196–200 Scene 38 201–205 Scene 39 206–210 Scene 40 211–215 Scene 41 216–220 Scene 42 221–235 Scene 43 236–245 Voice 1 246–255 Voice control 2
14	Effect Speed	0	0–127 Scene speed from slow to fast with XY 128–255 Scene speed from slow to fast XY can be adjusted ...

18 Channel Mode

18 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Dimmer	0	

18 Channel Mode (continued)

Ch	Function	Default	DMX values
4	Shutter / Strobe	0	0–19 No effect (strobe off, assumed) 20–255 Stroboscopic from slow to fast 1–20 Hz
5	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
6	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
7	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white

18 Channel Mode (continued)

Ch	Function	Default	DMX values
8	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
9	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
10	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
11	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white

18 Channel Mode (continued)

Ch	Function	Default	DMX values
12	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
13	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
14	Color Macro1	0	0–10 No effect 11–25 Red 26–40 green 41–55 blue 56–70 white 71–85 Red+green 86–100 Red+blue 101–115 Green+blue 116–130 Red+white 131–145 Green+white 146–160 Blue+white 161–175 Red+green+white 176–190 Red+blue+white 191–205 Green+blue+white 206–255 Red+green+blue+white
15	Effects1Adjust3	0	
16	Effects1Adjust2	0	

18 Channel Mode (continued)

Ch	Function	Default	DMX values
17	Effect	0	0–10 No effect 11–15 scene 1 16–20 Scene 2 21–25 Scene 3 26–30 Scene 4 31–35 Scene 5 36–40 Scene 6 41–45 Scene 7 46–50 Scene 8 51–55 Scene 9 56–60 Scene 10 61–65 Scene 11 66–70 Scene 12 71–75 Scene 13 76–80 Scene 14 81–85 Scene 15 86–90 Scene 16 91–95 Scene 17 96–100 Scene 18 101–105 Scene 19 106–110 Scene 20 111–115 Scene 21 116–120 Scene 22 121–125 Scene 23 126–130 Scene 24 131–135 Scene 25 136–140 Scene 26 141–145 Scene 27 146–150 Scene 28 151–155 Scene 29 156–160 Scene 30 161–165 Scene 31 166–170 Scene 32 171–175 Scene 33 176–180 Scene 34 181–185 Scene 35 186–190 Scene 36 191–195 Scene 37 196–200 Scene 38 201–205 Scene 39 206–210 Scene 40 211–215 Scene 41 216–220 Scene 42 221–225 Scene 43 226–230 Scene 44 231–235 Scene 45 236–245 Voice 1 246–255 Voice control 2
18	Effect Speed	0	0–127 Scene speed from slow to fast with XY 128–255 Scene speed from slow to fast XY can be adjusted ...

42-Channel Mode

42 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Red	0	
4	Green	0	
5	Blue	0	

42-Channel Mode (continued)

Ch	Function	Default	DMX values
6	White	0	
7	Red	0	
8	Green	0	
9	Blue	0	
10	White	0	
11	Red	0	
12	Green	0	
13	Blue	0	
14	White	0	
15	Red	0	
16	Green	0	
17	Blue	0	
18	White	0	
19	Red	0	
20	Green	0	
21	Blue	0	
22	White	0	
23	Red	0	
24	Green	0	
25	Blue	0	
26	White	0	
27	Red	0	
28	Green	0	
29	Blue	0	
30	White	0	
31	Red	0	
32	Green	0	
33	Blue	0	
34	White	0	
35	Red	0	
36	Green	0	
37	Blue	0	
38	White	0	
39	Red	0	
40	Green	0	
41	Blue	0	
42	White	0	

54-Channel Mode

54 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Dimmer	0	
4	Shutter / Strobe	0	0–19 No effect (strobe off, assumed) 20–255 Stroboscopic from slow to fast 1–20 Hz

54-Channel Mode (continued)

Ch	Function	Default	DMX values
5	Red	0	
6	Green	0	
7	Blue	0	
8	White	0	
9	Color Macro1	0	0–10 No effect 11–30 Red 100%, green 50-100-50%, blue 0 31–50 Red 100%-0, green 100%, blue, 0 51–70 Red 0, Green 100%, Blue 0-100% 71–90 Red 0, green 100%-0, blue 100% 91–110 Red 0-100%, green 0, blue 100% 111–130 Red 100%, green 0, blue 100%-0 131–150 Red 100%, green 0-100%, blue 0-100% 151–170 Red 100%-0, green 100%-0, blue 100% 171–200 Red 100%, green 100%, blue 100% 201–205 Macro color 1 206–210 Macro color 2 211–215 Macro color 3 216–220 Macro color 4 221–225 Macro color 5 226–230 Macro color 6 231–235 Macro color 7 236–240 Macro color 8 241–245 Macro color 9 246–250 Macro color 10 251–255 Macro color 11
10	Effects1Adjust3	0	
11	Effects1Adjust1	0	0–10 No effect 11–255 Background color
12	Effects1Adjust2	0	

54-Channel Mode (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–10 No effect 11–15 scene 1 16–20 Scene 2 21–25 Scene 3 26–30 Scene 4 31–35 Scene 5 36–40 Scene 6 41–45 Scene 7 46–50 Scene 8 51–55 Scene 9 56–60 Scene 10 61–65 Scene 11 66–70 Scene 12 71–75 Scene 13 76–80 Scene 14 81–85 Scene 15 86–90 Scene 16 91–95 Scene 17 96–100 Scene 18 101–105 Scene 19 106–110 Scene 20 111–115 Scene 21 116–120 Scene 22 121–125 Scene 23 126–130 Scene 24 131–135 Scene 25 136–140 Scene 26 141–145 Scene 27 146–150 Scene 28 151–155 Scene 29 156–160 Scene 30 161–165 Scene 31 166–170 Scene 32 171–175 Scene 33 176–180 Scene 34 181–185 Scene 35 186–190 Scene 36 191–195 Scene 37 196–200 Scene 38 201–205 Scene 39 206–210 Scene 40 211–215 Scene 41 216–220 Scene 42 221–235 Scene 43 236–245 Voice 1 246–255 Voice control 2
14	Effect Speed	0	
15	Red	0	
16	Green	0	
17	Blue	0	
18	White	0	
19	Red	0	
20	Green	0	
21	Blue	0	
22	White	0	
23	Red	0	
24	Green	0	
25	Blue	0	

54-Channel Mode (continued)

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

Fixture model: gdtf-shehds-led-beam-10x40w-rgbw-lighting-202611152110
Creator: HitLight
Modifications: Original HitLight 3D housing: scripted parametric geometry modelled by HitLight from public product photos and the manufactu...