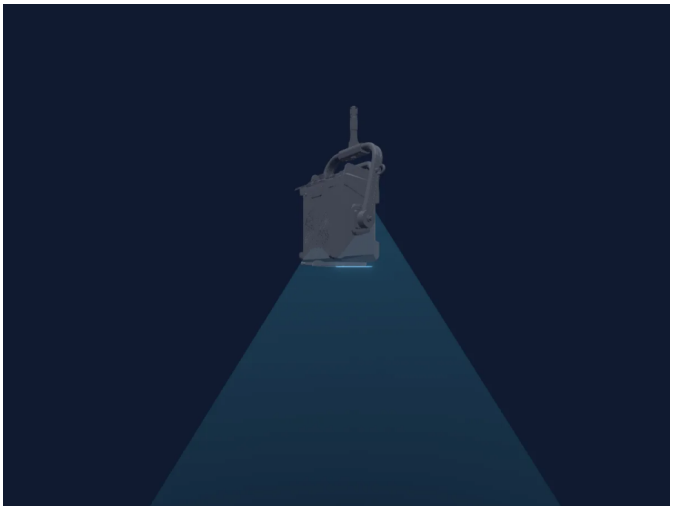
OGSON fixtures

NANLUX Evoke 900C



Manufacturer	**OGSON fixtures**
Type	**PAR**
DMX modes	**18**
DMX footprint	**7, 8, 11, 12, 14, 17, 20, 25 channels**
Beam angle	**67°**
Size (W × H × D)	**370 × 503 × 210 mm**
GDTF fixture type	**F4F5AF95-080C-4B3D-ADAF-A7…**

Controls

Extra LED colours · Hue and saturation · RGB colour mixing · Colour temperature · Strobe · Dimmer

DMX modes

Mode 15 XY 8bit	7 ch
Mode 17 RGB 8bit	7 ch
Mode 7 CCT 8bit	7 ch
Mode 9 Adv HSI 8bit	8 ch
Mode 11 RGBW 8bit	11 ch
Mode 13 RGBLAC 8bit	11 ch
Mode 5 CCT+Adv HSI 8bit	11 ch
Mode 16 XY 16bit	12 ch
Mode 18 RGB 16bit	12 ch
Mode 8 CCT 16bit	12 ch
Mode 1 CCT+RGBW 8bit	14 ch
Mode 10 Adv HSI 16bit	14 ch
Mode 3 CCT+RGBLAC 8bit	14 ch
Mode 6 CCT+Adv HSI 16bit	17 ch
Mode 12 RGBW 16bit	20 ch
Mode 14 RGBLAC 16bit	20 ch
Mode 2 CCT+RGBW 16bit	25 ch
Mode 4 CCT+RGBLAC 16bit	25 ch

Mode 15 XY 8bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C IEX	0	
3	C IEY	0	
4	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
5	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
6	Dummy	0	
7	Dummy Fine	0	Fine byte of Dummy

Mode 17 RGB 8bit

7 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
5	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
6	Dummy	0	
7	Dummy Fine	0	Fine byte of Dummy

Mode 7 CCT 8bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	
3	Tint	128	0–10 No effect 11–20 -100 Green 21–119 -99 to -1 Green 120–145 Netural/No Effect 146–244 +1 to +99 Green 245–255 +100 Green
4	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off

Mode 7 CCT 8bit (continued)

Ch	Function	Default	DMX values
5	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
6	Dummy	0	
7	Dummy Fine	0	Fine byte of Dummy

Mode 9 Adv HSI 8bit

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	
3	H SBSaturation	0	
4	H SBBrightness	0	
5	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
6	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
7	Dummy	0	
8	Dummy Fine	0	Fine byte of Dummy

Mode 11 RGBW 8bit

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	255	
6	C TCWhite Point	0	
7	Tint White Point	128	0–10 Netural/No Effect 11–20 -100 Green 21–119 -99 to -1 Green 120–145 Netural/No Effect 146–244 +1 to +99 Green 245–255 +100 Green
8	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off

Mode 11 RGBW 8bit (continued)

Ch	Function	Default	DMX values
9	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
10	Dummy	0	
11	Dummy Fine	0	Fine byte of Dummy

Mode 13 RGBLAC 8bit

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	255	
3	Green	255	
4	Blue	255	
5	Color Add GY	0	
6	Color Add RY	0	
7	Color Add C	0	
8	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
9	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
10	Dummy	0	
11	Dummy Fine	0	Fine byte of Dummy

Mode 5 CCT+Adv HSI 8bit

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	
3	Tint	128	0–10 No effect 11–20 -100 Green 21–119 -99 to -1 Green 120–145 Netural/No Effect 146–244 +1 to +99 Green 245–255 +100 Green
4	Crossfade	0	0–254 White 255–255 Color
5	H SBHue	0	
6	H SBSaturation	0	
7	H SBBrightness	0	

Mode 5 CCT+Adv HSI 8bit (continued)

Ch	Function	Default	DMX values
8	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
9	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
10	Dummy	0	
11	Dummy Fine	0	Fine byte of Dummy

Mode 16 XY 16bit

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	0	
4	C IEX Fine	0	Fine byte of C IEX
5	C IEY	0	
6	C IEY Fine	0	Fine byte of C IEY
7	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
8	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
9	Dummy	0	
10	Dummy Fine	0	Fine byte of Dummy
11	Dummy Ultra Fine	0	
12	Dummy Ultra Fine2	0	

Mode 18 RGB 16bit

12 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off

Mode 18 RGB 16bit (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
9	Dummy	0	
10	Dummy Fine	0	Fine byte of Dummy
11	Dummy Ultra Fine	0	
12	Dummy Ultra Fine2	0	

Mode 8 CCT 16bit

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–18 No effect 19–38 -100 Green 39–116 -99 to -1 Green 117–155 Netural/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
6	Tint Fine	128	Fine byte of Tint
7	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
8	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
9	Dummy	0	
10	Dummy Fine	0	Fine byte of Dummy
11	Dummy Ultra Fine	0	
12	Dummy Ultra Fine2	0	

Mode 1 CCT+RGBW 8bit

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	
3	Tint	128	0–10 No effect 11–20 -100 Green 21–119 -99 to -1 Green 120–145 Netural/No Effect 146–244 +1 to +99 Green 245–255 +100 Green

Mode 1 CCT+RGBW 8bit (continued)

Ch	Function	Default	DMX values
4	Crossfade	0	0–254 White 255–255 Color
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	
9	C TCWhite Point	0	
10	Tint White Point	128	0–10 Netural/No Effect 11–20 -100 Green 21–119 -99 to -1 Green 120–145 Netural/No Effect 146–244 +1 to +99 Green 245–255 +100 Green
11	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
12	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
13	Dummy	0	
14	Dummy Fine	0	Fine byte of Dummy

Mode 10 Adv HSI 16bit

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	0	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation
7	H SBBrightness	0	
8	H SBBrightness Fine	0	Fine byte of H SBBrightness
9	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
10	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
11	Dummy	0	
12	Dummy Fine	0	Fine byte of Dummy
13	Dummy Ultra Fine	0	
14	Dummy Ultra Fine2	0	

Mode 3 CCT+RGBLAC 8bit

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	
3	Tint	128	0–10 No effect 11–20 -100 Green 21–119 -99 to -1 Green 120–145 Netural/No Effect 146–244 +1 to +99 Green 245–255 +100 Green
4	Crossfade	0	0–254 White 255–255 Color
5	Red	255	
6	Green	255	
7	Blue	255	
8	Color Add GY	0	
9	Color Add RY	0	
10	Color Add C	0	
11	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
12	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
13	Dummy	0	
14	Dummy Fine	0	Fine byte of Dummy

Mode 6 CCT+Adv HSI 16bit

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–18 No effect 19–38 -100 Green 39–116 -99 to -1 Green 117–155 Netural/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
6	Tint Fine	128	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	H SBHue	0	
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	
11	H SBSaturation Fine	0	Fine byte of H SBSaturation
12	H SBBrightness	0	

Mode 6 CCT+Adv HSI 16bit (continued)

Ch	Function	Default	DMX values
13	H SBBrightness Fine	0	Fine byte of H SBBrightness
14	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
15	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
16	Dummy	0	
17	Dummy Fine	0	Fine byte of Dummy

Mode 12 RGBW 16bit

20 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	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	White	255	
10	White Fine	255	Fine byte of White
11	C TCWhite Point	0	
12	C TCWhite Point Fine	0	Fine byte of C TCWhite Point
13	Tint White Point	128	0–18 Netural/No Effect 19–38 -100 Green 39–116 -99 to -1 Green 117–155 Netural/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
14	Tint White Point Fine	128	Fine byte of Tint White Point
15	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
16	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
17	Dummy	0	
18	Dummy Fine	0	Fine byte of Dummy
19	Dummy Ultra Fine	0	
20	Dummy Ultra Fine2	0	

Mode 14 RGBLAC 16bit

20 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	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Color Add GY	0	
10	Color Add GY Fine	0	Fine byte of Color Add GY
11	Color Add RY	0	
12	Color Add RY Fine	0	Fine byte of Color Add RY
13	Color Add C	0	
14	Color Add C Fine	0	Fine byte of Color Add C
15	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
16	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
17	Dummy	0	
18	Dummy Fine	0	Fine byte of Dummy
19	Dummy Ultra Fine	0	
20	Dummy Ultra Fine2	0	

Mode 2 CCT+RGBW 16bit

25 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–18 No effect 19–38 -100 Green 39–116 -99 to -1 Green 117–155 Netural/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
6	Tint Fine	128	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	

Mode 2 CCT+RGBW 16bit (continued)

Ch	Function	Default	DMX values
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TCWhite Point	0	
17	C TCWhite Point Fine	0	Fine byte of C TCWhite Point
18	Tint White Point	128	0–18 Netural/No Effect 19–38 -100 Green 39–116 -99 to -1 Green 117–155 Netural/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
19	Tint White Point Fine	128	Fine byte of Tint White Point
20	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
21	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
22	Dummy	0	
23	Dummy Fine	0	Fine byte of Dummy
24	Dummy Ultra Fine	0	
25	Dummy Ultra Fine2	0	

Mode 4 CCT+RGBLAC 16bit

25 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–18 No effect 19–38 -100 Green 39–116 -99 to -1 Green 117–155 Netural/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
6	Tint Fine	128	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	

Mode 4 CCT+RGBLAC 16bit (continued)

Ch	Function	Default	DMX values
13	Blue Fine	255	Fine byte of Blue
14	Color Add GY	0	
15	Color Add GY Fine	0	Fine byte of Color Add GY
16	Color Add RY	0	
17	Color Add RY Fine	0	Fine byte of Color Add RY
18	Color Add C	0	
19	Color Add C Fine	0	Fine byte of Color Add C
20	Fan Mode	0	0–63 Auto 64–127 Full speed 128–191 Low speed 192–255 Fan off
21	Shutter / Strobe	0	0–3 Open 4–4 Random fast 5–5 Random mid 6–6 Random slow 7–254 Shutter strobe · min 0.4–24.9 Hz 255–255 Shutter strobe · max 25 Hz
22	Dummy	0	
23	Dummy Fine	0	Fine byte of Dummy
24	Dummy Ultra Fine	0	
25	Dummy Ultra Fine2	0	