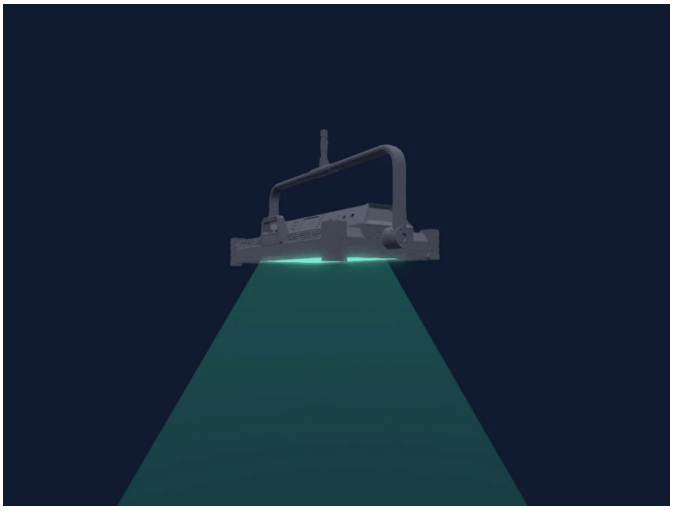
OGSON fixtures

NANLUX Dyno 650C



Manufacturer	**OGSON fixtures**
Type	**PAR**
DMX modes	**12**
DMX footprint	**6, 7, 8, 10, 11, 12, 15, 18, 22 channels**
Beam angle	**67°**
Size (W × H × D)	**880 × 490 × 440 mm**
GDTF fixture type	**7E761772-646B-419D-A1FD-F6…**

Controls

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

DMX modes

Mode 11 XY 8bit	6 ch
Mode 7 HSI 8bit	6 ch
Mode 5 CCT 8bit	7 ch
Mode 9 RGBW 8bit	8 ch
Mode 3 CCT+HSI 8bit	10 ch
Mode 12 XY 16bit	11 ch
Mode 8 HSI 16bit	11 ch
Mode 1 CCT+RGBW 8bit	12 ch
Mode 6 CCT 16bit	12 ch
Mode 10 RGBW 16bit	15 ch
Mode 4 CCT+HSI 16bit	18 ch
Mode 2 CCT+RGBW 16bit	22 ch

Mode 11 XY 8bit

6 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	0–85 Full Speed 86–170 Half Speed 171–255 Off
5	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
6	Reserved2	0	

Mode 7 HSI 8bit

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
3	H SBSaturation	0	
4	Fan Mode	0	0–85 Full Speed 86–170 Half Speed 171–255 Off
5	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
6	Reserved2	0	

Mode 5 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	0–85 Full Speed 86–170 Half Speed 171–255 Off
5	Color Control	100	0–85 Use CCT Lighting mode setting of fixture menu 86–170 Standard 171–255 Boost

Mode 5 CCT 8bit (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
7	Reserved2	0	

Mode 9 RGBW 8bit

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	0	
6	Fan Mode	0	0–85 Full Speed 86–170 Half Speed 171–255 Off
7	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
8	Reserved2	0	

Mode 3 CCT+HSI 8bit

10 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	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
6	H SBSaturation	0	
7	Fan Mode	0	0–85 Full Speed 86–170 Half Spped 171–255 Off
8	Color Control	100	0–85 Use CCT Lighting mode setting of fixture menu 86–170 Standard 171–255 Boost

Mode 3 CCT+HSI 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 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
10	Reserved2	0	

Mode 12 XY 16bit

11 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	0–85 Full Speed 86–170 Half Speed 171–255 Off
8	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
9	Reserved2	0	
10	Reserved3	0	
11	Reserved4	0	

Mode 8 HSI 16bit

11 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	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
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	Fan Mode	0	0–85 Full Speed 86–170 Half Speed 171–255 Off
8	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz

Mode 8 HSI 16bit (continued)

Ch	Function	Default	DMX values
9	Reserved2	0	
10	Reserved3	0	
11	Reserved4	0	

Mode 1 CCT+RGBW 8bit

12 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	White	255	
9	Fan Mode	0	0–33 Full Speed 34–67 Half Speed 68–255 Off
10	Color Control	100	0–85 Use CCT Lighting mode setting of fixture menu 86–170 Standard 171–255 Boost
11	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
12	No Feature	0	

Mode 6 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 Neutral/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
6	Tint Fine	0	Fine byte of Tint

Mode 6 CCT 16bit (continued)

Ch	Function	Default	DMX values
7	Fan Mode	0	0–85 Full Speed 86–170 Half Speed 171–255 Off
8	Color Control	100	0–85 Use CCT Lighting mode setting of fixture menu 86–170 Standard 171–255 Boost
9	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
10	Reserved2	0	
11	Reserved3	0	
12	Reserved4	0	

Mode 10 RGBW 16bit

15 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	0	
4	Red Fine	0	Fine byte of Red
5	Green	0	
6	Green Fine	0	Fine byte of Green
7	Blue	0	
8	Blue Fine	0	Fine byte of Blue
9	White	0	
10	White Fine	0	Fine byte of White
11	Fan Mode	0	0–85 Full Speed 86–170 Half Speed 171–255 Off
12	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
13	Reserved2	0	
14	Reserved3	0	
15	Reserved4	0	

Mode 4 CCT+HSI 16bit

18 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

Mode 4 CCT+HSI 16bit (continued)

Ch	Function	Default	DMX values
5	Tint	128	0–18 No effect 19–38 -100 Green 39–116 -99 to -1 Green 117–155 Neutral/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Crossfade Fine	0	Fine byte of Crossfade
9	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
10	H SBHue Fine	0	Fine byte of H SBHue
11	H SBSaturation	0	
12	H SBSaturation Fine	0	Fine byte of H SBSaturation
13	Fan Mode	0	0–85 Full Speed 86–170 Half Speed 171–255 Off
14	Color Control	100	0–85 Use CCT Lighting mode setting of fixture menu 86–170 Standard 171–255 Boost
15	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
16	Reserved2	0	
17	Reserved3	0	
18	Reserved4	0	

Mode 2 CCT+RGBW 16bit

22 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 Neutral/No Effect 156–233 +1 to +99 Green 234–255 +100 Green
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Crossfade Fine	0	Fine byte of Crossfade
9	Red	255	
10	Red Fine	255	Fine byte of Red

Mode 2 CCT+RGBW 16bit (continued)

Ch	Function	Default	DMX values
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Fan Mode	0	0–85 Full Speed 86–170 Half Speed 171–255 Off
18	Color Control	100	0–85 Use CCT Lighting mode setting of fixture menu 86–170 Standard 171–255 Boost
19	Shutter / Strobe	0	0–3 Open 4–4 random fast 5–5 random mid 6–6 random slow 7–254 Shutter1Strobe 3 · min 0.4–24.9 Hz 255–255 Shutter1Strobe 3 · max 25 Hz
20	Reserved2	0	
21	Reserved3	0	
22	Reserved4	0	