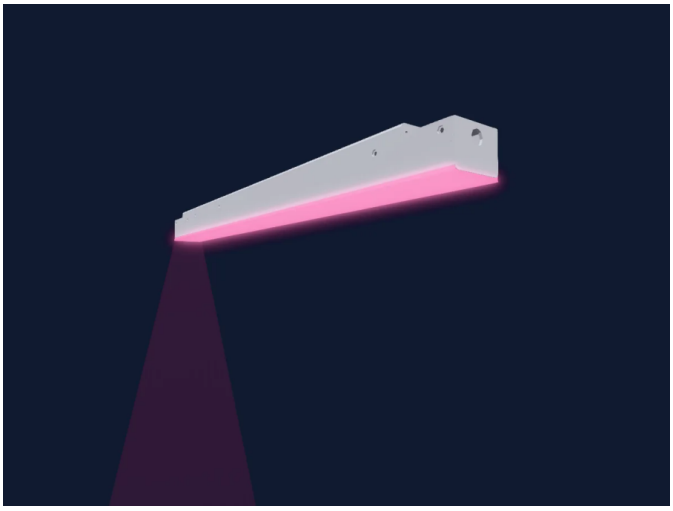
Aputure

INFINIBAR PB6



Manufacturer	**Aputure**
Type	**Effect light**
DMX modes	**29**
DMX footprint	**4, 5, 7, 8, 10, 36 channels**
Beam angle	**25°**
Size (W × H × D)	**624 × 43 × 45 mm**
GDTF fixture type	**AC89D9B0-C6E3-4C69-9AB7-A…**

Controls

RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer

Safety-relevant functions

Built-in effect programmes

DMX modes

CCT Mode	4 ch
LE HSI Mode Pixel 12	4 ch
LE HSI Mode Pixel 16	4 ch
LE HSI Mode Pixel 24	4 ch
LE HSI Mode Pixel 4	4 ch
LE HSI Mode Pixel 48	4 ch
LE HSI Mode Pixel 6	4 ch
LE HSI Mode Pixel 8	4 ch
LE RGB Mode Pixel 12	4 ch
LE RGB Mode Pixel 16	4 ch
LE RGB Mode Pixel 24	4 ch
LE RGB Mode Pixel 4	4 ch
LE RGB Mode Pixel 48	4 ch
LE RGB Mode Pixel 6	4 ch
LE RGB Mode Pixel 8	4 ch
XY Mode	4 ch
HSI Mode	5 ch
RGB Mode	5 ch
CCT+HSI Mode	7 ch
LE CCT+RGB Mode Pixel 12	7 ch
LE CCT+RGB Mode Pixel 16	7 ch
LE CCT+RGB Mode Pixel 24	7 ch
LE CCT+RGB Mode Pixel 4	7 ch
LE CCT+RGB Mode Pixel 48	7 ch

LE CCT+RGB Mode Pixel 6	7 ch
LE CCT+RGB Mode Pixel 8	7 ch
CCT+RGB Mode	8 ch
System FX Mode	10 ch
Pixel FX Mode	36 ch

CCT Mode

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

LE HSI Mode Pixel 12

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

LE HSI Mode Pixel 16

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

LE HSI Mode Pixel 24

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open

LE HSI Mode Pixel 24 (continued)

Ch	Function	Default	DMX values
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

LE HSI Mode Pixel 4

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

LE HSI Mode Pixel 48

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

LE HSI Mode Pixel 6

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

LE HSI Mode Pixel 8

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

LE RGB Mode Pixel 12

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	
3	Green	0	
4	Blue	0	

LE RGB Mode Pixel 16

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	
3	Green	0	
4	Blue	0	

LE RGB Mode Pixel 24

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	
3	Green	0	
4	Blue	0	

LE RGB Mode Pixel 4

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	
3	Green	0	
4	Blue	0	

LE RGB Mode Pixel 48

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	
3	Green	0	
4	Blue	0	

LE RGB Mode Pixel 6

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	
3	Green	0	
4	Blue	0	

LE RGB Mode Pixel 8

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	
3	Green	0	
4	Blue	0	

XY Mode

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C IEX	135	
3	C IEY	127	
4	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

HSI Mode

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k

HSI Mode (continued)

Ch	Function	Default	DMX values
5	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

RGB Mode

5 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	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

CCT+HSI Mode

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 HSI
5	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
6	H SBSaturation	255	
7	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

LE CCT+RGB Mode Pixel 12

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open

LE CCT+RGB Mode Pixel 12 (continued)

Ch	Function	Default	DMX values
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	

LE CCT+RGB Mode Pixel 16

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	

LE CCT+RGB Mode Pixel 24

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000

LE CCT+RGB Mode Pixel 24 (continued)

Ch	Function	Default	DMX values
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	

LE CCT+RGB Mode Pixel 4

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	

LE CCT+RGB Mode Pixel 48

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB

LE CCT+RGB Mode Pixel 48 (continued)

Ch	Function	Default	DMX values
5	Red	0	
6	Green	0	
7	Blue	0	

LE CCT+RGB Mode Pixel 6

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	

LE CCT+RGB Mode Pixel 8

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	

CCT+RGB Mode

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	
8	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

System FX Mode

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Effect	0	0–9 Paparazzi II 10–19 Lightning III 20–29 TV III 30–39 Fire III 40–49 Faulty Bulb III 50–59 Pulsing III 60–69 Cop Car III 70–79 Party Lights II 80–89 Fireworks II 90–255 Backup
3	Reserved1	0	
4	Reserved2	0	
5	Reserved3	0	
6	Reserved4	0	
7	Reserved5	0	
8	Reserved6	0	
9	Reserved7	0	
10	Reserved8	0	

Pixel FX Mode

36 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open

Pixel FX Mode (continued)

Ch	Function	Default	DMX values
2	Control1	0	0–10 Play 11–60 Pause 61–120 Stop 121–255 Backup
3	Effect	0	0–9 Color Fade 10–19 Color Cycle 20–29 One Pixel Chase 30–39 Two Pixel Chase 40–49 Three Pixel Chase 50–59 Rainbow 60–69 Pixel Fire 70–255 Backup
4	Reserved1	0	
5	Reserved2	0	
6	Reserved3	0	
7	Reserved4	0	
8	Reserved5	0	
9	Reserved6	0	
10	Reserved7	0	
11	Reserved8	0	
12	Reserved9	0	
13	Reserved10	0	
14	Reserved11	0	
15	Reserved12	0	
16	Reserved13	0	
17	Reserved14	0	
18	Reserved15	0	
19	Reserved16	0	
20	Reserved17	0	
21	Reserved18	0	
22	Reserved19	0	
23	Reserved20	0	
24	Reserved21	0	
25	Reserved22	0	
26	Reserved23	0	
27	Reserved24	0	
28	Reserved25	0	
29	Reserved26	0	
30	Reserved27	0	
31	Reserved28	0	
32	Reserved29	0	
33	Reserved30	0	
34	Reserved31	0	
35	Reserved32	0	
36	Reserved33	0	