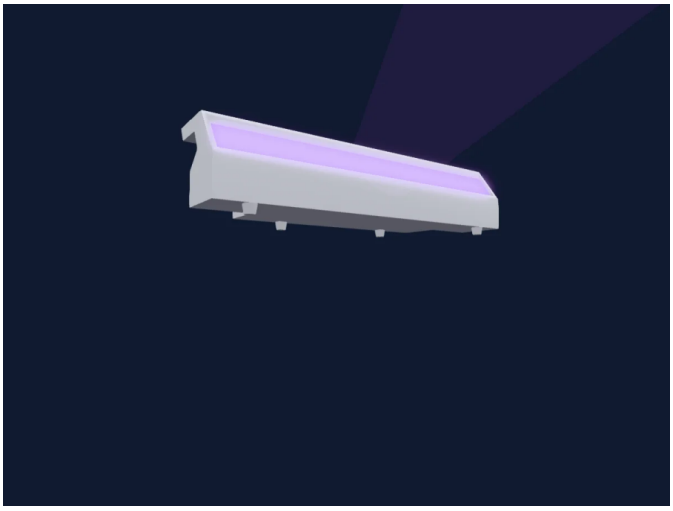
EK Lights

CYC500



Manufacturer	**EK Lights**
Type	**Effect light**
DMX modes	**12**
DMX footprint	**1, 2, 4, 5, 6, 10, 15, 17 channels**
Beam angle	**25°**
Size (W × H × D)	**500 × 118 × 141 mm**
GDTF fixture type	**2A3BC3E9-61C0-490D-AE65-5D…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

1CH	1 ch
2CH	2 ch
4CH 1	4 ch
4CH 2	4 ch
5CH	5 ch
6CH 1	6 ch
6CH 2	6 ch
10CH 1	10 ch
10CH 2	10 ch
15CH 1	15 ch
15CH 2	15 ch
17CH	17 ch

1CH

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

2CH

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Mode	0	0–51 No Function 52–101 Dimmer Mode Off 102–152 Dimmer Mode 1 153–203 Dimmer Mode 2 204–255 Dimmer Mode 3

4CH 1

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	C TO	0	0–31 2800K -3200K 32–63 3200K-3500K 64–95 3500K-4000K 96–127 4000K-4500K 128–159 4500K-5000K 160–191 5000K-5600K 192–223 5600K-6000K 224–255 6000K-6500K
3	H SBHue	0	0–0 0 1–127 -25 128–254 0 255–255 25
4	Dimmer Mode	0	0–51 No Function 52–101 Dimmer Mode Off 102–152 Dimmer Mode 1 153–203 Dimmer Mode 2 204–255 Dimmer Mode 3

4CH 2

4 channels

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

5CH

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

5CH (continued)

Ch	Function	Default	DMX values
2	C TO	0	0–31 2800K -3200K 32–63 3200K-3500K 64–95 3500K-4000K 96–127 4000K-4500K 128–159 4500K-5000K 160–191 5000K-5600K 192–223 5600K-6000K 224–255 6000K-6500K
3	H SBHue	0	0–0 0 1–127 -25 128–254 0 255–255 25
4	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz
5	Dimmer Mode	0	0–51 No Function 52–101 Dimmer Mode Off 102–152 Dimmer Mode 1 153–203 Dimmer Mode 2 204–255 Dimmer Mode 3

6CH 1

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	C TO	0	0–31 2800K -3200K 32–63 3200K-3500K 64–95 3500K-4000K 96–127 4000K-4500K 128–159 4500K-5000K 160–191 5000K-5600K 192–223 5600K-6000K 224–255 6000K-6500K
3	H SBHue	0	0–0 0 1–127 -25 128–254 0 255–255 25
4	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz
5	Color Macro1	0	0–2 No Function 3–5 Amber Shift on 6–255 Color Macro
6	Dimmer Mode	0	0–51 No Function 52–101 Dimmer Mode Off 102–152 Dimmer Mode 1 153–203 Dimmer Mode 2 204–255 Dimmer Mode 3

6CH 2

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	0	
3	Green	0	

6CH 2 (continued)

Ch	Function	Default	DMX values
4	Blue	0	
5	White	255	
6	Shutter / Strobe	0	0–10 Open 1 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz

10CH 1

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	255	
6	C TO	0	0–31 2800K -3200K 32–63 3200K-3500K 64–95 3500K-4000K 96–127 4000K-4500K 128–159 4500K-5000K 160–191 5000K-5600K 192–223 5600K-6000K 224–255 6000K-6500K
7	H SBHue	0	0–0 0 1–127 -25 128–254 0 255–255 25
8	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz
9	Color Macro1	0	0–2 No Function 3–5 Amber Shift on 6–255 Color Macro
10	Dimmer Mode	0	0–51 No Function 52–101 Dimmer Mode Off 102–152 Dimmer Mode 1 153–203 Dimmer Mode 2 204–255 Dimmer Mode 3

10CH 2

10 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	255	
6	Shutter / Strobe	0	0–10 Open 1 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz

10CH 2 (continued)

Ch	Function	Default	DMX values
7	C TO	0	0–5 No Function 6–30 2800K 31–55 3200K 56–80 3500K 81–105 4000K 106–130 4500K 131–155 5000K 156–180 5600K 181–205 6000K 206–230 6500K 231–255 No Function
8	Effect	0	0–60 Effect 1 61–110 Effect 2 111–160 Effect 3 161–210 Effect 4 211–255 Effect 5 (Effects 1-4)
9	Effect Speed	0	0–127 Min 128–254 Medium 255–255 Max
10	Dimmer Fade	0	0–0 Preset dimmer speed from display menu 1–255 0-100%

15CH 1

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
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	255	
10	White Fine	255	Fine byte of White
11	C TO	0	0–31 2800K -3200K 32–63 3200K-3500K 64–95 3500K-4000K 96–127 4000K-4500K 128–159 4500K-5000K 160–191 5000K-5600K 192–223 5600K-6000K 224–255 6000K-6500K
12	H SBHue	0	0–0 0 1–127 -25 128–254 0 255–255 25
13	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz
14	Color Macro1	0	0–2 No Function 3–5 Amber Shift on 6–255 Color Macro

15CH 1 (continued)

Ch	Function	Default	DMX values
15	Dimmer Mode	0	0–51 No Function 52–101 Dimmer Mode Off 102–152 Dimmer Mode 1 153–203 Dimmer Mode 2 204–255 Dimmer Mode 3

15CH 2

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	255	
10	White Fine	255	Fine byte of White
11	Shutter / Strobe	0	0–10 Open 1 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz
12	C TO	0	0–5 No Function 6–30 2800K 31–55 3200K 56–80 3500K 81–105 4000K 106–130 4500K 131–155 5000K 156–180 5600K 181–205 6000K 206–230 6500K 231–255 No Function
13	Effect	0	0–60 Effect 1 61–110 Effect 2 111–160 Effect 3 161–210 Effect 4 211–255 Effect 5 (Effects 1-4)
14	Effect Speed	0	0–127 Min 128–254 Medium 255–255 Max
15	Dimmer Fade	0	0–0 Preset dimmer speed from display menu 1–255 0-100%

17CH

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–10 Open 11–254 Strobe · Min 0.5–29.9 Hz 255–255 Strobe · Max 30 Hz

17CH (continued)

Ch	Function	Default	DMX values
4	C TO	0	0–31 2800K -3200K 32–63 3200K-3500K 64–95 3500K-4000K 96–127 4000K-4500K 128–159 4500K-5000K 160–191 5000K-5600K 192–223 5600K-6000K 224–255 6000K-6500K
5	H SBHue	0	0–0 0 1–127 -25 128–254 0 255–255 25
6	Crossfade	0	
7	Red	0	
8	Red Fine	0	Fine byte of Red
9	Green	0	
10	Green Fine	0	Fine byte of Green
11	Blue	0	
12	Blue Fine	0	Fine byte of Blue
13	White	255	
14	White Fine	255	Fine byte of White
15	Color Macro1	0	0–2 No Function 3–5 Amber Shift on 6–255 Color Macro
16	C TOOn Colors	0	
17	Dimmer Mode	0	0–51 No Function 52–101 Dimmer Mode Off 102–152 Dimmer Mode 1 153–203 Dimmer Mode 2 204–255 Dimmer Mode 3