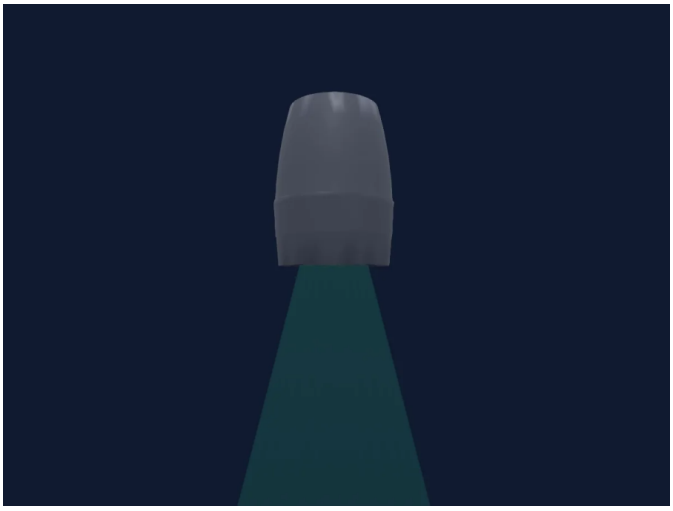
CKC Lighting

PAR Z180



Manufacturer	**CKC Lighting**
Type	**Effect light**
DMX modes	**14**
DMX footprint	**4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15 channels**
Beam angle	**7-55°**
Size (W × H × D)	**215 × 283 × 215 mm**
GDTF fixture type	**6A6B9BD0-5AB6-4F68-B580-F7…**

Controls

Zoom · Extra LED colours · Hue and saturation · RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer

Safety-relevant functions

Fixture reset · Strobe · Built-in effect programmes

DMX modes

4CH RGBW	4 ch
5CH RGBW	5 ch
6CH HIS+	6 ch
7CH RGBW	7 ch
8CH sRGBWI	8 ch
8CH2 RGBW	8 ch
8CH3 RGBW	8 ch
9CH RGBW	9 ch
10CH RGBW	10 ch
10CH2 RGBW	10 ch
12CH 16Bit	12 ch
13CH sRGBWI	13 ch
14CH RGBW	14 ch
15CH RGBW	15 ch

4CH RGBW

4 channels

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

5CH RGBW

5 channels

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

6CH HIS+

6 channels

Ch	Function	Default	DMX values
1	H SBHue	0	
2	H SBSaturation	0	
3	H SBBrightness	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
4	Zoom	127	
5	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
6	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

7CH RGBW

7 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
6	Zoom	127	
7	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

8CH sRGBWI

8 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–95 Strobe Min to Max 96–127 Open 128–159 Strobe Pulse Min to Max 160–191 Open 192–223 Random Strobe Min to Max 224–255 Open
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	0	
6	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
7	Zoom	127	
8	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

8CH2 RGBW

8 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
6	Dimmer Fine	0	Fine byte of Dimmer
7	Zoom	127	
8	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

8CH3 RGBW

8 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent

8CH3 RGBW (continued)

Ch	Function	Default	DMX values
6	Zoom	127	
7	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function
8	L EDFrequency	0	

9CH RGBW

9 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–95 Strobe Min to Max 96–127 Open 128–159 Strobe Pulse Min to Max 160–191 Open 192–223 Random Strobe Min to Max 224–255 Open
6	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
7	Dimmer Fine	0	Fine byte of Dimmer
8	Zoom	127	
9	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

10CH RGBW

10 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–95 Strobe Min to Max 96–127 Open 128–159 Strobe Pulse Min to Max 160–191 Open 192–223 Random Strobe Min to Max 224–255 Open
6	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
7	Dimmer Fine	0	Fine byte of Dimmer

10CH RGBW (continued)

Ch	Function	Default	DMX values
8	Zoom	127	
9	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
10	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

10CH2 RGBW

10 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–95 Strobe Min to Max 96–127 Open 128–159 Strobe Pulse Min to Max 160–191 Open 192–223 Random Strobe Min to Max 224–255 Open
6	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
7	Dimmer Fine	0	Fine byte of Dimmer
8	Zoom	127	
9	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function
10	L EDFrequency	0	

12CH 16Bit

12 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	Zoom	127	
10	Zoom Fine	127	Fine byte of Zoom

12CH 16Bit (continued)

Ch	Function	Default	DMX values
11	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function
12	L EDFrequency	0	

13CH sRGBWI

13 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–95 Strobe Min to Max 96–127 Open 128–159 Strobe Pulse Min to Max 160–191 Open 192–223 Random Strobe Min to Max 224–255 Open
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	0	
6	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
7	Color Macro1	0	
8	Zoom	127	
9	Effect	0	0–0 NO FUNCTION 1–20 COLOR MACRO 01 21–40 COLOR MACRO 02 41–60 COLOR MACRO 03 61–80 COLOR MACRO 04 81–100 COLOR MACRO 05 101–120 COLOR MACRO 06 121–140 COLOR MACRO 07 141–160 COLOR MACRO 08 161–180 COLOR MACRO 09 181–200 COLOR MACRO 10 201–230 COLOR MACRO 11 231–240 COLOR MACRO 12 241–250 COLOR MACRO 13 251–255 GRADIENT COLOR MACRO
10	Effect Speed	0	0–125 Counter-Clockwise Movement FAST to SLOW 126–130 STOP 131–255 Clockwise Movement SLOW to FAST
11	Effects1Fade	0	
12	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
13	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

14CH RGBW

14 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Color Macro1	0	
6	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–95 Strobe Min to Max 96–127 Open 128–159 Strobe Pulse Min to Max 160–191 Open 192–223 Random Strobe Min to Max 224–255 Open
7	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
8	Dimmer Fine	0	Fine byte of Dimmer
9	Zoom	127	
10	Effect	0	0–0 NO FUNCTION 1–20 COLOR MACRO 01 21–40 COLOR MACRO 02 41–60 COLOR MACRO 03 61–80 COLOR MACRO 04 81–100 COLOR MACRO 05 101–120 COLOR MACRO 06 121–140 COLOR MACRO 07 141–160 COLOR MACRO 08 161–180 COLOR MACRO 09 181–200 COLOR MACRO 10 201–230 COLOR MACRO 11 231–240 COLOR MACRO 12 241–250 COLOR MACRO 13 251–255 GRADIENT COLOR MACRO
11	Effect Speed	0	0–125 Counter-Clockwise Movement FAST to SLOW 126–130 STOP 131–255 Clockwise Movement SLOW to FAST
12	Effects1Fade	0	
13	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
14	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function

15CH RGBW

15 channels

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

15CH RGBW (continued)

Ch	Function	Default	DMX values
4	White	0	
5	Color Macro1	0	
6	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–95 Strobe Min to Max 96–127 Open 128–159 Strobe Pulse Min to Max 160–191 Open 192–223 Random Strobe Min to Max 224–255 Open
7	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
8	Dimmer Fine	0	Fine byte of Dimmer
9	Zoom	127	
10	Effect	0	0–0 NO FUNCTION 1–20 COLOR MACRO 01 21–40 COLOR MACRO 02 41–60 COLOR MACRO 03 61–80 COLOR MACRO 04 81–100 COLOR MACRO 05 101–120 COLOR MACRO 06 121–140 COLOR MACRO 07 141–160 COLOR MACRO 08 161–180 COLOR MACRO 09 181–200 COLOR MACRO 10 201–230 COLOR MACRO 11 231–240 COLOR MACRO 12 241–250 COLOR MACRO 13 251–255 GRADIENT COLOR MACRO
11	Effect Speed	0	0–125 Counter-Clockwise Movement FAST to SLOW 126–130 STOP 131–255 Clockwise Movement SLOW to FAST
12	Effects1Fade	0	
13	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
14	Function	0	0–79 Normal 80–84 Zoom Reset 85–255 No Function
15	L EDFrequency	0	