CKC Lighting

Fresnel 180TW



Manufacturer	**CKC Lighting**
Type	**Spot**
DMX modes	**7**
DMX footprint	**1, 3, 6, 11, 13 channels**
Beam angle	**25°**
Size (W × H × D)	**275 × 270 × 100 mm**
GDTF fixture type	**D35D43B2-D216-401D-959E-B4…**

Controls

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

Safety-relevant functions

Service functions · Strobe

DMX modes

1CH Mode	1 ch
3CH Mode1	3 ch
3CH Mode2 HSI	3 ch
3CH Mode3 CCT	3 ch
6CH Mode Direct	6 ch
11CH Mode2 HSI Fine	11 ch
13CH Mode Direct Mode Fine	13 ch

1CH Mode

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–50 0% 51–101 20% 102–152 40% 153–203 60% 204–254 80% 255–255 100%

3CH Mode1

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–50 0% 51–101 20% 102–152 40% 153–203 60% 204–254 80% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–5 Strobe open 6–254 Strobe slow 255–255 Strobe fast

3CH Mode2 HSI

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–50 0% 51–101 20% 102–152 40% 153–203 60% 204–254 80% 255–255 100%
2	H SBHue	0	0–254 0* 255–255 360*
3	H SBSaturation	0	0–254 100% 255–255 0%

3CH Mode3 CCT

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–50 0% 51–101 20% 102–152 40% 153–203 60% 204–254 80% 255–255 100%
2	C TO	0	
3	Tint	128	0–0 No function 1–127 Magenta 128–128 Neutral 129–255 Green

6CH Mode Direct

6 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	Color Add RY	0	
5	Color Add GY	0	
6	Color Add C	0	

11CH Mode2 HSI Fine

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–50 0% 51–101 20% 102–152 40% 153–203 60% 204–254 80% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe closed 11–32 Puls Random slow 33–33 Puls Random fast 34–55 Ramp up Random slow 56–56 Ramp up Random fast 57–78 Ramp down Random slow 79–79 Ramp down Random fast 80–101 Random slow 102–102 Random fast 103–126 Strobe Break Effect 5s 127–127 Strobe Break Effect 1s 128–249 Strobe slow 250–250 Strobe fast 251–255 Strobe open
4	H SBHue	0	0–254 0* 255–255 360*
5	H SBHue Fine	0	Fine byte of H SBHue
6	H SBSaturation	0	0–254 100% 255–255 0%
7	H SBSaturation Fine	0	Fine byte of H SBSaturation
8	C TO	0	0–5 no function 6–255 2800K - 8000K
9	Tint	128	0–0 No function 1–127 Magenta 128–128 Neutral 129–255 Green

11CH Mode2 HSI Fine (continued)

Ch	Function	Default	DMX values
10	Color Macro1	0	0–5 Colour off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Colour Jumping Stop 128–190 Jumping slow 191–191 Jumping fast 192–254 Fading slow 255–255 Fading fast
11	Control1	0	0–77 no function 78–79 Dimmer Response LED (Hold 1*5s) 80–81 Dimmer Response Halogen (Hold 1*5s) 82–83 DTW (Redshift) on (Hold 1*5s) 84–85 DTW (Redshift) off (Hold 1*5s) 86–97 no function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–123 no function 124–125 PWM 650 Hz (Hold 5s) 126–127 PWM 1530 Hz (Hold 5s) 128–129 PWM 3600 Hz (Hold 5s) 130–131 PWM 12 kHz (Hold 5s) 132–133 PWM 25 kHz (Hold 5s) 134–143 no function 144–145 Display on (Hold 3s) 146–147 Display off (Hold 3s) 148–167 no function 168–169 Dimmer Curve Linear (Hold 3s) 170–171 Dimmer Curve Exponential (Hold 3s) 172–173 Dimmer Curve Logarithmic (Hold 3s) 174–175 Dimmer Curve S-Curve (Hold 3s) 176–255 no function

13CH Mode Direct Mode Fine

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–50 0% 51–101 20% 102–152 40% 153–203 60% 204–254 80% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

13CH Mode Direct Mode Fine (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Strobe open 6–10 Strobe closed 11–32 Puls Random slow 33–33 Puls Random fast 34–55 Ramp up Random slow 56–56 Ramp up Random fast 57–78 Ramp down Random slow 79–79 Ramp down Random fast 80–101 Random slow 102–102 Random fast 103–126 Strobe Break Effect 5s 127–127 Strobe Break Effect 1s 128–249 Strobe slow 250–250 Strobe fast 251–255 Strobe open
4	Red	255	
5	Green	255	
6	Blue	255	
7	Color Add RY	255	
8	Color Add GY	255	
9	Color Add C	255	
10	C TO	0	0–5 no function 6–255 2800K - 8000K
11	Tint	128	0–0 No function 1–127 Magenta 128–128 Neutral 129–255 Green
12	Color Macro1	0	0–5 Colour off (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Colour Jumping Stop 128–190 Jumping slow 191–191 Jumping fast 192–254 Fading slow 255–255 Fading fast

13CH Mode Direct Mode Fine (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–77 no function 78–79 Dimmer Response LED (Hold 1*5s) 80–81 Dimmer Response Halogen (Hold 1*5s) 82–83 DTW (Redshift) on (Hold 1*5s) 84–85 DTW (Redshift) off (Hold 1*5s) 86–97 no function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–123 no function 124–125 PWM 650 Hz (Hold 5s) 126–127 PWM 1530 Hz (Hold 5s) 128–129 PWM 3600 Hz (Hold 5s) 130–131 PWM 12 kHz (Hold 5s) 132–133 PWM 25 kHz (Hold 5s) 134–143 no function 144–145 Display on (Hold 3s) 146–147 Display off (Hold 3s) 148–167 no function 168–169 Dimmer Curve Linear (Hold 3s) 170–171 Dimmer Curve Exponential (Hold 3s) 172–173 Dimmer Curve Logarithmic (Hold 3s) 174–175 Dimmer Curve S-Curve (Hold 3s) 176–255 no function