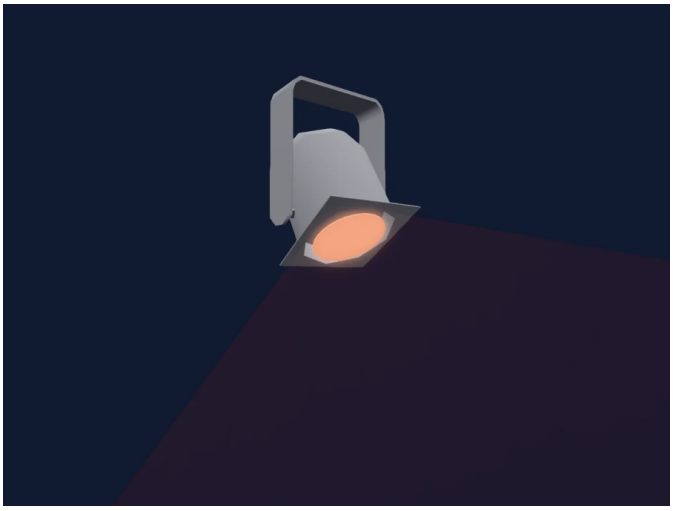
CLF Lighting

Tyra



Manufacturer	**CLF Lighting**
Type	**Moving head**
DMX modes	**7**
DMX footprint	**1, 3, 4, 5, 12, 19 channels**
Beam angle	**90°**
Tilt range	**320°**
Size (W × H × D)	**180 × 210 × 180 mm**
GDTF fixture type	**19CACB34-D035-421B-AC13-FE…**

Controls

Extra LED colours · Hue and saturation · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Fixture reset · Service functions

DMX modes

1CH	1 ch
3CH CTC	3 ch
3CH HSV	4 ch
4CH Basic	4 ch
5CH Direct	5 ch
12CH DWE+Strobe	12 ch
19CH 16bit 1	19 ch

1CH

1 channel

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

3CH CTC

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Color Temp	69	
3	Tint	128	

3CH HSV

4 channels

Ch	Function	Default	DMX values
1	H SBHue	0	
2	H SBSaturation	0	
3	H SBBrightness	0	
4	Dimmer	0	0–254 Closed 255–255 Open

4CH Basic

4 channels

Ch	Function	Default	DMX values
1	Color Control	0	0–84 No Function 85–170 RedShif OFF 171–255 RedShif ON
2	Dimmer Curve	0	0–51 No Function 52–101 Linear 102–152 Square Law 153–203 INV square 204–255 S-Curve
3	Intensity MSpeed	0	0–42 No Function 43–84 Normal 85–126 Smooth 1 127–168 Smooth 2 169–210 Smooth 3 211–255 Smooth 4
4	Dimmer	0	0–254 Closed 255–255 Open

5CH Direct

5 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Color Add RY	255	
5	Color Add GY	255	

12CH DWE+Strobe

12 channels

Ch	Function	Default	DMX values
1	Color Control	0	0–84 No Function 85–170 RedShif OFF 171–255 RedShif ON
2	Dimmer Curve	0	0–51 No Function 52–101 Linear 102–152 Square Law 153–203 INV square 204–255 S-Curve
3	Intensity MSpeed	0	0–42 No Function 43–84 Normal 85–126 Smooth 1 127–168 Smooth 2 169–210 Smooth 3 211–255 Smooth 4
4	Control1	0	0–5 no function 6–9 No Function 10–14 Fan mode Auto 15–19 Fan mode Silent 20–24 Fan mode Max Power 25–29 No Function 30–34 Normal (3sec) 35–39 Smooth 1 (3sec) 40–44 Smooth 2 (3sec) 45–49 Smooth 3 (3sec) 50–54 Smooth 4 (3sec) 55–59 No function 60–64 Linear (3sec) 65–69 Square law (3sec) 70–74 INV Square law (3sec) 75–79 S-Curve (3sec) 80–84 No Function 85–89 WDMX Reset 90–94 Empty Channel Set 95–99 Refresh_rate = 1KHz (3sec) 100–104 Refresh_rate = 2KHz (3sec) 105–109 Refresh_rate = 4KHz (3sec) 110–114 Refresh_rate = 6KHz (3sec) 115–119 Refresh_rate = 25KHz (3sec) 120–124 No Function 125–130 DMX hold ON (3sec) 131–134 DMX hold OFF (3sec) 135–139 No Function 140–144 Rotate OFF (3sec) 145–149 Rotate ON (3sec) 150–154 Rotate AUTO (3sec) 155–159 No Function 160–164 Display ON 165–174 Display Auto OFF after15sec 175–179 blinking When DMX Lost 180–199 NO blinking When DMX Lost 200–204 No Function 205–209 KeyLock OFF 210–214 KeyLock ON 215–219 No Function 220–224 RedShift OFF 225–229 RedShift ON 230–234 No Function 235–239 CRI Low 240–244 CRI High 245–249 No function 250–255 LCD on

12CH DWE+Strobe (continued)

Ch	Function	Default	DMX values
5	Dimmer	0	0–254 Closed 255–255 Open
6	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–63 Max Strobe 64–64 Min Strobe 65–69 NoFeature 1 70–83 max Pulse Open 84–84 min Pulse Open 85–89 NoFeature 2 90–103 max Pulse Close 104–104 min Pulse Close 105–109 NoFeature 3 110–123 Shutter1StrobeRandom 8 · max Rnd 20–2.36 Hz 124–124 Shutter1StrobeRandom 8 · min Rnd 1 Hz 125–129 NoFeature 4 130–143 max Rnd Pulse Open 144–144 min Rnd Pulse Open 145–149 NoFeature 5 150–163 max Rnd Pulse Close 164–164 min Rnd Pulse Close 165–169 NoFeature 6 170–183 Shutter1Burst strobe · max Burst 25–11.1 Hz 184–184 Shutter1Burst strobe · min Burst 10 Hz 185–189 NoFeature 7 190–203 Shutter1StrobeRandom 16 · max Burst Rnd 25–20.... 204–204 Shutter1StrobeRandom 16 · min Burst Rnd 20 Hz 205–209 NoFeature 8 210–223 Shutter1Pulse · max Sine 2–0.236 Hz 224–224 Shutter1Pulse · min Sine 0.1 Hz 225–229 NoFeature 9 230–243 max Random 244–244 min Random 246–255 Open
7	Color Add WW	255	
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Temp	0	
12	Tint	128	0–127 No Funtion 128–255 Neutral

19CH 16bit 1

19 channels

Ch	Function	Default	DMX values
1	Color Control	0	0–84 No Function 85–170 RedShif OFF 171–255 RedShif ON
2	Dimmer Curve	0	0–51 No Function 52–101 Linear 102–152 Square Law 153–203 INV square 204–255 S-Curve

19CH 16bit 1 (continued)

Ch	Function	Default	DMX values
3	Intensity MSpeed	0	0–42 No Function 43–84 Normal 85–126 Smooth 1 127–168 Smooth 2 169–210 Smooth 3 211–255 Smooth 4
4	Control1	0	0–5 no function 6–9 No Function 10–14 Fan mode Auto 15–19 Fan mode Silent 20–24 Fan mode Max Power 25–29 No Function 30–34 Normal (3sec) 35–39 Smooth 1 (3sec) 40–44 Smooth 2 (3sec) 45–49 Smooth 3 (3sec) 50–54 Smooth 4 (3sec) 55–59 No function 60–64 Linear (3sec) 65–69 Square law (3sec) 70–74 INV Square law (3sec) 75–79 S-Curve (3sec) 80–84 No Function 85–89 WDMX Reset 90–94 Empty Channel Set 95–99 Refresh_rate = 1KHz (3sec) 100–104 Refresh_rate = 2KHz (3sec) 105–109 Refresh_rate = 4KHz (3sec) 110–114 Refresh_rate = 6KHz (3sec) 115–119 Refresh_rate = 25KHz (3sec) 120–124 No Function 125–130 DMX hold ON (3sec) 131–134 DMX hold OFF (3sec) 135–139 No Function 140–144 Rotate OFF (3sec) 145–149 Rotate ON (3sec) 150–154 Rotate AUTO (3sec) 155–159 No Function 160–164 Display ON 165–174 Display Auto OFF after15sec 175–179 blinking When DMX Lost 180–199 NO blinking When DMX Lost 200–204 No Function 205–209 KeyLock OFF 210–214 KeyLock ON 215–219 No Function 220–224 RedShift OFF 225–229 RedShift ON 230–234 No Function 235–239 CRI Low 240–244 CRI High 245–249 No function 250–255 LCD on
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer

19CH 16bit 1 (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–63 Max Strobe 64–64 Min Strobe 65–69 NoFeature 1 70–83 max Pulse Open 84–84 min Pulse Open 85–89 NoFeature 2 90–103 max Pulse Close 104–104 min Pulse Close 105–109 NoFeature 3 110–123 Shutter1StrobeRandom 8 · max Rnd 20–2.36 Hz 124–124 Shutter1StrobeRandom 8 · min Rnd 1 Hz 125–129 NoFeature 4 130–143 max Rnd Pulse Open 144–144 min Rnd Pulse Open 145–149 NoFeature 5 150–163 max Rnd Pulse Close 164–164 min Rnd Pulse Close 165–169 NoFeature 6 170–183 Shutter1Burst strobe · max Burst 25–11.1 Hz 184–184 Shutter1Burst strobe · min Burst 10 Hz 185–189 NoFeature 7 190–203 Shutter1StrobeRandom 16 · max Burst Rnd 25–20.... 204–204 Shutter1StrobeRandom 16 · min Burst Rnd 20 Hz 205–209 NoFeature 8 210–223 Shutter1Pulse · max Sine 2–0.236 Hz 224–224 Shutter1Pulse · min Sine 0.1 Hz 225–229 NoFeature 9 230–243 max Random 244–244 min Random 246–255 Open
8	Reserved 8	0	
9	Reserved 9	0	
10	Red	255	
11	Red Fine	255	Fine byte of Red
12	Green	255	
13	Green Fine	255	Fine byte of Green
14	Blue	255	
15	Blue Fine	255	Fine byte of Blue
16	Color Add RY	255	
17	Color Add RY Fine	255	Fine byte of Color Add RY
18	Color Add GY	255	
19	Color Add GY Fine	255	Fine byte of Color Add GY