Robe Lighting

Robin T3 Fresnel



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**5**
DMX footprint	**25, 35, 39 channels**
Beam angle	**6-65°**
Pan range	**540°**
Tilt range	**263.6°**
Size (W × H × D)	**362 × 600 × 343 mm**
GDTF fixture type	**2590B94F-3AC4-48A7-85FC-34...**

Controls

Frost · Zoom · CMY colour mixing · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 2 - Reduced CMY	25 ch
Mode 2 - Reduced RGB	25 ch
Mode 1 - CMY	35 ch
Mode 1 - RGB	35 ch
Mode 3 - Five colors	39 ch

Mode 2 - Reduced CMY

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–69 NoFeature 2 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode Fans ON at blackout 85–89 Quiet mode Fans OFF at blackout 90–94 CPC-Convection passive cooling-fans OFF 95–96 ON High power mode 97–98 OFF High power mode 99–119 NoFeature 3 120–124 Parking position ON 125–129 Parking position OFF 130–149 Fixture reset (except pan/tilt) 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Barnodoors/Scrim reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
7	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 2
8	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
13	Scrim Pos	0	0–0 No function 1–255 Scrim inserting

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
14	Scrim Index	128	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg
15	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW
16	Zoom	128	
17	Edge Color Correction	128	
18	Shaper Rot	128	
19	Blade1A	0	
20	Blade4A	0	
21	Blade3A	0	
22	Blade2A	0	
23	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
24	Dimmer	0	0–254 Closed 255–255 Open
25	Dimmer Fine	0	Fine byte of Dimmer

Mode 2 - Reduced RGB

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–69 NoFeature 2 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode Fans ON at blackout 85–89 Quiet mode Fans OFF at blackout 90–94 CPC-Convection passive cooling-fans OFF 95–96 ON High power mode 97–98 OFF High power mode 99–119 NoFeature 3 120–124 Parking position ON 125–129 Parking position OFF 130–149 Fixture reset (except pan/tilt) 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Barnodoors/Scrim reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
7	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 2
8	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
9	Red	255	
10	Green	255	
11	Blue	255	
12	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
13	Scrim Pos	0	0–0 No function 1–255 Scrim inserting

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
14	Scrim Index	127	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg
15	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW
16	Zoom	128	
17	Edge Color Correction	128	
18	Shaper Rot	128	
19	Blade1A	0	
20	Blade4A	0	
21	Blade3A	0	
22	Blade2A	0	
23	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
24	Dimmer	0	0–254 Closed 255–255 Open
25	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 - CMY

35 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–69 NoFeature 2 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode Fans ON at blackout 85–89 Quiet mode Fans OFF at blackout 90–94 CPC-Convection passive cooling-fans OFF 95–96 ON High power mode 97–98 OFF High power mode 99–119 NoFeature 3 120–124 Parking position ON 125–129 Parking position OFF 130–149 Fixture reset (except pan/tilt) 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Barnodoors/Scrim reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 2
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 10 (Medium Yellow) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 71 (Tokyo Blue) (wheel slot 8) 15–16 Filter 79 (Just Blue) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 100 (Spring Yellow) (wheel slot 12) 23–24 Filter 101 (Yellow) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 104 (Deep Amber) (wheel slot 16) 31–32 Filter 105 (Orange) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 116 (Medium Blue - Green) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 119 (Dark Blue) (wheel slot 24) 47–48 Filter 120 (Deep Blue) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 139 (Primary Green) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 158 (Deep Orange) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 179 (Chrome Orange) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 205 (Half CT Orange) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
12	Cyan	0	
13	Cyan Fine	0	Fine byte of Cyan
14	Magenta	0	
15	Magenta Fine	0	Fine byte of Magenta
16	Yellow	0	
17	Yellow Fine	0	Fine byte of Yellow
18	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
19	Tint	128	0–0 Uncorrected white 1 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 2 129–254 Uncorrected white - > Plus green 255–255 Uncorrected white 3
20	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
21	Frame MSpeed	0	0–0 Standard mode 1–254 Min time mode 255–255 Max time mode
22	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
23	Scrim Index	128	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
24	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW
25	Zoom	128	
26	Zoom Fine	0	Fine byte of Zoom
27	Edge Color Correction	128	
28	Shaper Rot	128	
29	Blade1A	0	
30	Blade4A	0	
31	Blade3A	0	
32	Blade2A	0	
33	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
34	Dimmer	0	0–254 Closed 255–255 Open
35	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 - RGB

35 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–69 NoFeature 2 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode Fans ON at blackout 85–89 Quiet mode Fans OFF at blackout 90–94 CPC-Convection passive cooling-fans OFF 95–96 ON High power mode 97–98 OFF High power mode 99–119 NoFeature 3 120–124 Parking position ON 125–129 Parking position OFF 130–149 Fixture reset (except pan/tilt) 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Barnodoors/Scrim reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 2
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 10 (Medium Yellow) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 71 (Tokyo Blue) (wheel slot 8) 15–16 Filter 79 (Just Blue) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 100 (Spring Yellow) (wheel slot 12) 23–24 Filter 101 (Yellow) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 104 (Deep Amber) (wheel slot 16) 31–32 Filter 105 (Orange) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 116 (Medium Blue - Green) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 119 (Dark Blue) (wheel slot 24) 47–48 Filter 120 (Deep Blue) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 139 (Primary Green) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 158 (Deep Orange) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 179 (Chrome Orange) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 205 (Half CT Orange) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
19	Tint	128	0–0 Uncorrected white 1 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 2 129–254 Uncorrected white - > Plus green 255–255 Uncorrected white 3
20	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
21	Frame MSpeed	0	0–0 Standard mode 1–254 Min time mode 255–255 Max time mode
22	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
23	Scrim Index	128	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
24	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW
25	Zoom	128	
26	Zoom Fine	0	Fine byte of Zoom
27	Edge Color Correction	128	
28	Shaper Rot	128	
29	Blade1A	0	
30	Blade4A	0	
31	Blade3A	0	
32	Blade2A	0	
33	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
34	Dimmer	0	0–254 Closed 255–255 Open
35	Dimmer Fine	0	Fine byte of Dimmer

Mode 3 - Five colors

39 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 3 - Five colors (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–69 NoFeature 2 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode Fans ON at blackout 85–89 Quiet mode Fans OFF at blackout 90–94 CPC-Convection passive cooling-fans OFF 95–96 ON High power mode 97–98 OFF High power mode 99–119 NoFeature 3 120–124 Parking position ON 125–129 Parking position OFF 130–149 Fixture reset (except pan/tilt) 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Barnodoors/Scrim reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 3 - Five colors (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 2
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 3 - Five colors (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 10 (Medium Yellow) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 71 (Tokyo Blue) (wheel slot 8) 15–16 Filter 79 (Just Blue) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 100 (Spring Yellow) (wheel slot 12) 23–24 Filter 101 (Yellow) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 104 (Deep Amber) (wheel slot 16) 31–32 Filter 105 (Orange) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 116 (Medium Blue - Green) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 119 (Dark Blue) (wheel slot 24) 47–48 Filter 120 (Deep Blue) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 139 (Primary Green) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 158 (Deep Orange) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 179 (Chrome Orange) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 205 (Half CT Orange) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 3 - Five colors (continued)

Ch	Function	Default	DMX values
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	Color Add RY	255	
19	Color Add RY Fine	255	Fine byte of Color Add RY
20	Color Add GY	255	
21	Color Add GY Fine	255	Fine byte of Color Add GY
22	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
23	Tint	128	0–0 Uncorrected white 1 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 2 129–254 Uncorrected white - > Plus green 255–255 Uncorrected white 3
24	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
25	Frame MSpeed	0	0–0 Standard mode 1–254 Min time mode 255–255 Max time mode
26	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
27	Scrim Index	128	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg

Mode 3 - Five colors (continued)

Ch	Function	Default	DMX values
28	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW
29	Zoom	128	
30	Zoom Fine	0	Fine byte of Zoom
31	Edge Color Correction	128	
32	Shaper Rot	128	
33	Blade1A	0	
34	Blade4A	0	
35	Blade3A	0	
36	Blade2A	0	
37	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
38	Dimmer	0	0–254 Closed 255–255 Open
39	Dimmer Fine	0	Fine byte of Dimmer