Vari-Lite

Coda Cyc



Manufacturer	**Vari-Lite**
Type	**Cyc light**
DMX modes	**5**
DMX footprint	**4, 13, 17, 21, 29 channels**
Beam angle	**25°**
Heads / cells	**2**
Size (W × H × D)	**508 × 279 × 279 mm**
GDTF fixture type	**059A9C9D-E69E-11EA-9557-52…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions

DMX modes

SQCC Mode	4 ch
SSCC Mode 1 Zone	13 ch
SOCC Mode 1 Zone	17 ch
SSCC Mode 2 Zone	21 ch
SOCC Mode 2 Zone	29 ch

SQCC Mode

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–9 Open - Shutter Open 10–99 Strobe S > F - Strobe 100–109 Open - Shutter Open 110–179 Lighting Strobe S > F - Strobe 180–189 Open - Shutter Open 190–255 Strobe Random S > F - Strobe Random
4	Color Wheel	0	0–10 Color Off - Custom 11–14 Moroccan Pink - Color (wheel slot 1) 15–18 Pink - Color (wheel slot 2) 19–22 Flesh Pink - Color (wheel slot 3) 23–26 Bright Rose - Color (wheel slot 4) 27–30 Follies Pink - Color (wheel slot 5) 31–34 Fuchsia Pink - Color (wheel slot 6) 35–38 Surprise Pink - Color (wheel slot 7) 39–42 Congo Blue - Color (wheel slot 8) 43–46 Blue - Color (wheel slot 9) 47–50 Virgin Blue - Color (wheel slot 10) 51–54 Midnight Maya - Color (wheel slot 11) 55–58 Double C T Blue - Color (wheel slot 12) 59–62 Slate Blue - Color (wheel slot 13) 63–66 Regal Blue - Color (wheel slot 14) 67–70 Full C T Blue - Color (wheel slot 15) 71–74 Steel Blue - Color (wheel slot 16) 75–78 Lighter Blue - Color (wheel slot 17) 79–82 Cyan - Color (wheel slot 18) 83–86 Marine Blue - Color (wheel slot 19) 87–90 Soft Green - Color (wheel slot 20) 91–94 Moss Green - Color (wheel slot 21) 95–98 Green - Color (wheel slot 22) 99–102 Fem Green - Color (wheel slot 23) 103–106 JAS Green - Color (wheel slot 24) 107–110 Pale Green - Color (wheel slot 25) 111–114 Spring Yellow - Color (wheel slot 26) 115–118 Yellow - Color (wheel slot 27) 119–122 Deep Amber - Color (wheel slot 28) 123–126 Chrome Orange - Color (wheel slot 29) 127–130 Orange - Color (wheel slot 30) 131–134 Magenta - Color (wheel slot 31) 135–138 Flame Red - Color (wheel slot 32) 139–142 Purple - Color (wheel slot 33) 143–146 User Preset 1 - Macro 147–150 User Preset 2 - Macro 151–154 User Preset 3 - Macro 155–158 User Preset 4 - Macro 159–162 User Preset 5 - Macro 163–166 User Preset 6 - Macro 167–170 User Preset 7 - Macro 171–174 User Preset 8 - Macro 175–178 User Preset 9 - Macro 179–182 User Preset 10 - Macro 183–186 User Preset 11 - Macro 187–190 User Preset 12 - Macro 191–194 User Preset 13 - Macro 195–198 User Preset 14 - Macro 199–202 User Preset 15 - Macro 203–206 User Preset 16 - Macro 207–210 User Preset 17 - Macro 211–218 User Preset 18 - Macro 219–222 User Preset 20 - Macro 223–255 Channel Off - Custom

SSCC Mode 1 Zone

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–9 Open - Shutter Open 10–99 Strobe S > F - Strobe 100–109 Open - Shutter Open 110–179 Lighting Strobe S > F - Strobe 180–189 Open - Shutter Open 190–255 Strobe Random S > F - Strobe Random
4	Color Wheel	0	0–10 Color Off - Custom 11–14 Moroccan Pink - Color (wheel slot 1) 15–18 Pink - Color (wheel slot 2) 19–22 Flesh Pink - Color (wheel slot 3) 23–26 Bright Rose - Color (wheel slot 4) 27–30 Follies Pink - Color (wheel slot 5) 31–34 Fuchsia Pink - Color (wheel slot 6) 35–38 Surprise Pink - Color (wheel slot 7) 39–42 Congo Blue - Color (wheel slot 8) 43–46 Blue - Color (wheel slot 9) 47–50 Virgin Blue - Color (wheel slot 10) 51–54 Midnight Maya - Color (wheel slot 11) 55–58 Double C T Blue - Color (wheel slot 12) 59–62 Slate Blue - Color (wheel slot 13) 63–66 Regal Blue - Color (wheel slot 14) 67–70 Full C T Blue - Color (wheel slot 15) 71–74 Steel Blue - Color (wheel slot 16) 75–78 Lighter Blue - Color (wheel slot 17) 79–82 Cyan - Color (wheel slot 18) 83–86 Marine Blue - Color (wheel slot 19) 87–90 Soft Green - Color (wheel slot 20) 91–94 Moss Green - Color (wheel slot 21) 95–98 Green - Color (wheel slot 22) 99–102 Fem Green - Color (wheel slot 23) 103–106 JAS Green - Color (wheel slot 24) 107–110 Pale Green - Color (wheel slot 25) 111–114 Spring Yellow - Color (wheel slot 26) 115–118 Yellow - Color (wheel slot 27) 119–122 Deep Amber - Color (wheel slot 28) 123–126 Chrome Orange - Color (wheel slot 29) 127–130 Orange - Color (wheel slot 30) 131–134 Magenta - Color (wheel slot 31) 135–138 Flame Red - Color (wheel slot 32) 139–142 Purple - Color (wheel slot 33) 143–146 User Preset 1 - Macro 147–150 User Preset 2 - Macro 151–154 User Preset 3 - Macro 155–158 User Preset 4 - Macro 159–162 User Preset 5 - Macro 163–166 User Preset 6 - Macro 167–170 User Preset 7 - Macro 171–174 User Preset 8 - Macro 175–178 User Preset 9 - Macro 179–182 User Preset 10 - Macro 183–186 User Preset 11 - Macro 187–190 User Preset 12 - Macro 191–194 User Preset 13 - Macro 195–198 User Preset 14 - Macro 199–202 User Preset 15 - Macro 203–206 User Preset 16 - Macro 207–210 User Preset 17 - Macro 211–218 User Preset 18 - Macro 219–222 User Preset 20 - Macro 223–255 Channel Off - Custom

SSCC Mode 1 Zone (continued)

Ch	Function	Default	DMX values
5	Control1	0	0–5 Idle - Custom 6–10 Full Luminaire Recal - Reset 11–15 Fixture Shutdown - Custom 16–20 Reserved - Custom 21–25 Display-Menu On - Custom 26–30 Display-Menu Off - Custom 31–35 Tungsten Dimming On - Custom 36–40 Tungsten Dimming Off - Custom 41–45 Dimming Curve Linear - Dimmer 46–50 Dimming Curve S-Curve - Dimmer 51–55 Dimming Curve Square Law - Dimmer 56–60 Reserved - Custom 61–65 Dimmer Snap On - Speed 66–70 Dimmer Snap Off - Speed 71–90 Reserved - Custom 91–95 Color Calibration On - Reset 96–100 Color Callbration Off - Custom 101–150 No Func - Custom 151–155 Record Color Preset - Custom 156–170 Reserved - Custom 171–175 Reset Fixture To Default - Reset 176–255 Reserved - Custom
6	Cyan	0	
7	Cyan Fine	0	Fine byte of Cyan
8	Yellow	0	
9	Yellow Fine	0	Fine byte of Yellow
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta
12	C TC	75	0–24 1800K - CTC 25–49 2700K - CTC 50–74 3000K - CTC 75–99 3200K - CTC 100–124 4000K - CTC 125–149 4500K - CTC 150–174 5000K - CTC 175–199 5600K - CTC 200–224 6500K - CTC 225–249 8000K - CTC 250–250 10000K - CTC 251–255 Reserved - Custom
13	Color Mix Mode	0	0–10 No Func - Custom 11–29 Full Minus Green - Color 30–69 -99% > -1% - Color 70–129 No Func - Custom 130–189 1% > 99% - Color 190–255 Full Plus Green - Color

SOCC Mode 1 Zone

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

SOCC Mode 1 Zone (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–9 Open - Shutter Open 10–99 Strobe S > F - Strobe 100–109 Open - Shutter Open 110–179 Lighting Strobe S > F - Strobe 180–189 Open - Shutter Open 190–255 Strobe Random S > F - Strobe Random
4	Color Wheel	0	0–10 Color Off - Custom 11–14 Moroccan Pink - Color (wheel slot 1) 15–18 Pink - Color (wheel slot 2) 19–22 Flesh Pink - Color (wheel slot 3) 23–26 Bright Rose - Color (wheel slot 4) 27–30 Follies Pink - Color (wheel slot 5) 31–34 Fuchsia Pink - Color (wheel slot 6) 35–38 Surprise Pink - Color (wheel slot 7) 39–42 Congo Blue - Color (wheel slot 8) 43–46 Blue - Color (wheel slot 9) 47–50 Virgin Blue - Color (wheel slot 10) 51–54 Midnight Maya - Color (wheel slot 11) 55–58 Double C T Blue - Color (wheel slot 12) 59–62 Slate Blue - Color (wheel slot 13) 63–66 Regal Blue - Color (wheel slot 14) 67–70 Full C T Blue - Color (wheel slot 15) 71–74 Steel Blue - Color (wheel slot 16) 75–78 Lighter Blue - Color (wheel slot 17) 79–82 Cyan - Color (wheel slot 18) 83–86 Marine Blue - Color (wheel slot 19) 87–90 Soft Green - Color (wheel slot 20) 91–94 Moss Green - Color (wheel slot 21) 95–98 Green - Color (wheel slot 22) 99–102 Fem Green - Color (wheel slot 23) 103–106 JAS Green - Color (wheel slot 24) 107–110 Pale Green - Color (wheel slot 25) 111–114 Spring Yellow - Color (wheel slot 26) 115–118 Yellow - Color (wheel slot 27) 119–122 Deep Amber - Color (wheel slot 28) 123–126 Chrome Orange - Color (wheel slot 29) 127–130 Orange - Color (wheel slot 30) 131–134 Magenta - Color (wheel slot 31) 135–138 Flame Red - Color (wheel slot 32) 139–142 Purple - Color (wheel slot 33) 143–146 User Preset 1 - Macro 147–150 User Preset 2 - Macro 151–154 User Preset 3 - Macro 155–158 User Preset 4 - Macro 159–162 User Preset 5 - Macro 163–166 User Preset 6 - Macro 167–170 User Preset 7 - Macro 171–174 User Preset 8 - Macro 175–178 User Preset 9 - Macro 179–182 User Preset 10 - Macro 183–186 User Preset 11 - Macro 187–190 User Preset 12 - Macro 191–194 User Preset 13 - Macro 195–198 User Preset 14 - Macro 199–202 User Preset 15 - Macro 203–206 User Preset 16 - Macro 207–210 User Preset 17 - Macro 211–218 User Preset 18 - Macro 219–222 User Preset 20 - Macro 223–255 Channel Off - Custom

SOCC Mode 1 Zone (continued)

Ch	Function	Default	DMX values
5	Control1	0	0–5 Idle - Custom 6–10 Full Luminaire Recal - Reset 11–15 Fixture Shutdown - Custom 16–20 Reserved - Custom 21–25 Display-Menu On - Custom 26–30 Display-Menu Off - Custom 31–35 Tungsten Dimming On - Custom 36–40 Tungsten Dimming Off - Custom 41–45 Dimming Curve Linear - Dimmer 46–50 Dimming Curve S-Curve - Dimmer 51–55 Dimming Curve Square Law - Dimmer 56–60 Reserved - Custom 61–65 Dimmer Snap On - Speed 66–70 Dimmer Snap Off - Speed 71–90 Reserved - Custom 91–95 Color Calibration On - Reset 96–100 Color Callbration Off - Custom 101–150 No Func - Custom 151–155 Record Color Preset - Custom 156–170 Reserved - Custom 171–175 Reset Fixture To Default - Reset 176–255 Reserved - Custom
6	Red	255	
7	Red Fine	255	Fine byte of Red
8	Green	255	
9	Green Fine	255	Fine byte of Green
10	Blue	255	
11	Blue Fine	255	Fine byte of Blue
12	Color Add RY	0	
13	Color Add RY Fine	0	Fine byte of Color Add RY
14	Color Add GY	0	
15	Color Add GY Fine	0	Fine byte of Color Add GY
16	Color Add C	0	
17	Color Add C Fine	0	Fine byte of Color Add C

SSCC Mode 2 Zone

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–9 Open - Shutter Open 10–99 Strobe S > F - Strobe 100–109 Open - Shutter Open 110–179 Lighting Strobe S > F - Strobe 180–189 Open - Shutter Open 190–255 Strobe Random S > F - Strobe Random

SSCC Mode 2 Zone (continued)

Ch	Function	Default	DMX values
4	Color Wheel	0	0–10 Color Off - Custom 11–14 Moroccan Pink - Color (wheel slot 1) 15–18 Pink - Color (wheel slot 2) 19–22 Flesh Pink - Color (wheel slot 3) 23–26 Bright Rose - Color (wheel slot 4) 27–30 Follies Pink - Color (wheel slot 5) 31–34 Fuchsia Pink - Color (wheel slot 6) 35–38 Surprise Pink - Color (wheel slot 7) 39–42 Congo Blue - Color (wheel slot 8) 43–46 Blue - Color (wheel slot 9) 47–50 Virgin Blue - Color (wheel slot 10) 51–54 Midnight Maya - Color (wheel slot 11) 55–58 Double C T Blue - Color (wheel slot 12) 59–62 Slate Blue - Color (wheel slot 13) 63–66 Regal Blue - Color (wheel slot 14) 67–70 Full C T Blue - Color (wheel slot 15) 71–74 Steel Blue - Color (wheel slot 16) 75–78 Lighter Blue - Color (wheel slot 17) 79–82 Cyan - Color (wheel slot 18) 83–86 Marine Blue - Color (wheel slot 19) 87–90 Soft Green - Color (wheel slot 20) 91–94 Moss Green - Color (wheel slot 21) 95–98 Green - Color (wheel slot 22) 99–102 Fem Green - Color (wheel slot 23) 103–106 JAS Green - Color (wheel slot 24) 107–110 Pale Green - Color (wheel slot 25) 111–114 Spring Yellow - Color (wheel slot 26) 115–118 Yellow - Color (wheel slot 27) 119–122 Deep Amber - Color (wheel slot 28) 123–126 Chrome Orange - Color (wheel slot 29) 127–130 Orange - Color (wheel slot 30) 131–134 Magenta - Color (wheel slot 31) 135–138 Flame Red - Color (wheel slot 32) 139–142 Purple - Color (wheel slot 33) 143–146 User Preset 1 - Macro 147–150 User Preset 2 - Macro 151–154 User Preset 3 - Macro 155–158 User Preset 4 - Macro 159–162 User Preset 5 - Macro 163–166 User Preset 6 - Macro 167–170 User Preset 7 - Macro 171–174 User Preset 8 - Macro 175–178 User Preset 9 - Macro 179–182 User Preset 10 - Macro 183–186 User Preset 11 - Macro 187–190 User Preset 12 - Macro 191–194 User Preset 13 - Macro 195–198 User Preset 14 - Macro 199–202 User Preset 15 - Macro 203–206 User Preset 16 - Macro 207–210 User Preset 17 - Macro 211–218 User Preset 18 - Macro 219–222 User Preset 20 - Macro 223–255 Channel Off - Custom

SSCC Mode 2 Zone (continued)

Ch	Function	Default	DMX values
5	Control1	0	0–5 Idle - Custom 6–10 Full Luminaire Recal - Reset 11–15 Fixture Shutdown - Custom 16–20 Reserved - Custom 21–25 Display-Menu On - Custom 26–30 Display-Menu Off - Custom 31–35 Tungsten Dimming On - Custom 36–40 Tungsten Dimming Off - Custom 41–45 Dimming Curve Linear - Dimmer 46–50 Dimming Curve S-Curve - Dimmer 51–55 Dimming Curve Square Law - Dimmer 56–60 Reserved - Custom 61–65 Dimmer Snap On - Speed 66–70 Dimmer Snap Off - Speed 71–90 Reserved - Custom 91–95 Color Calibration On - Reset 96–100 Color Callbration Off - Custom 101–150 No Func - Custom 151–155 Record Color Preset - Custom 156–170 Reserved - Custom 171–175 Reset Fixture To Default - Reset 176–255 Reserved - Custom
6	Cyan	0	
7	Cyan Fine	0	Fine byte of Cyan
8	Yellow	0	
9	Yellow Fine	0	Fine byte of Yellow
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta
12	C TC	75	0–24 1800K - CTC 25–49 2700K - CTC 50–74 3000K - CTC 75–99 3200K - CTC 100–124 4000K - CTC 125–149 4500K - CTC 150–174 5000K - CTC 175–199 5600K - CTC 200–224 6500K - CTC 225–249 8000K - CTC 250–250 10000K - CTC 251–255 Reserved - Custom
13	Color Mix Mode	0	0–10 No Func - Custom 11–29 Full Minus Green - Color 30–69 -99% > -1% - Color 70–129 No Func - Custom 130–189 1% > 99% - Color 190–255 Full Plus Green - Color
14	Cyan	0	
15	Cyan Fine	0	Fine byte of Cyan
16	Yellow	0	
17	Yellow Fine	0	Fine byte of Yellow
18	Magenta	0	
19	Magenta Fine	0	Fine byte of Magenta

SSCC Mode 2 Zone (continued)

Ch	Function	Default	DMX values
20	C TC	75	0–24 1800K - CTC 25–49 2700K - CTC 50–74 3000K - CTC 75–99 3200K - CTC 100–124 4000K - CTC 125–149 4500K - CTC 150–174 5000K - CTC 175–199 5600K - CTC 200–224 6500K - CTC 225–249 8000K - CTC 250–250 10000K - CTC 251–255 Reserved - Custom
21	Color Mix Mode	0	0–10 No Func - Custom 11–29 Full Minus Green - Color 30–69 -99% > -1% - Color 70–129 No Func - Custom 130–189 1% > 99% - Color 190–255 Full Plus Green - Color

SOCC Mode 2 Zone

29 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	0	0–9 Open - Shutter Open 10–99 Strobe S > F - Strobe 100–109 Open - Shutter Open 110–179 Lighting Strobe S > F - Strobe 180–189 Open - Shutter Open 190–255 Strobe Random S > F - Strobe Random

SOCC Mode 2 Zone (continued)

Ch	Function	Default	DMX values
4	Color Wheel	0	0–10 Color Off - Custom 11–14 Moroccan Pink - Color (wheel slot 1) 15–18 Pink - Color (wheel slot 2) 19–22 Flesh Pink - Color (wheel slot 3) 23–26 Bright Rose - Color (wheel slot 4) 27–30 Follies Pink - Color (wheel slot 5) 31–34 Fuchsia Pink - Color (wheel slot 6) 35–38 Surprise Pink - Color (wheel slot 7) 39–42 Congo Blue - Color (wheel slot 8) 43–46 Blue - Color (wheel slot 9) 47–50 Virgin Blue - Color (wheel slot 10) 51–54 Midnight Maya - Color (wheel slot 11) 55–58 Double C T Blue - Color (wheel slot 12) 59–62 Slate Blue - Color (wheel slot 13) 63–66 Regal Blue - Color (wheel slot 14) 67–70 Full C T Blue - Color (wheel slot 15) 71–74 Steel Blue - Color (wheel slot 16) 75–78 Lighter Blue - Color (wheel slot 17) 79–82 Cyan - Color (wheel slot 18) 83–86 Marine Blue - Color (wheel slot 19) 87–90 Soft Green - Color (wheel slot 20) 91–94 Moss Green - Color (wheel slot 21) 95–98 Green - Color (wheel slot 22) 99–102 Fem Green - Color (wheel slot 23) 103–106 JAS Green - Color (wheel slot 24) 107–110 Pale Green - Color (wheel slot 25) 111–114 Spring Yellow - Color (wheel slot 26) 115–118 Yellow - Color (wheel slot 27) 119–122 Deep Amber - Color (wheel slot 28) 123–126 Chrome Orange - Color (wheel slot 29) 127–130 Orange - Color (wheel slot 30) 131–134 Magenta - Color (wheel slot 31) 135–138 Flame Red - Color (wheel slot 32) 139–142 Purple - Color (wheel slot 33) 143–146 User Preset 1 - Macro 147–150 User Preset 2 - Macro 151–154 User Preset 3 - Macro 155–158 User Preset 4 - Macro 159–162 User Preset 5 - Macro 163–166 User Preset 6 - Macro 167–170 User Preset 7 - Macro 171–174 User Preset 8 - Macro 175–178 User Preset 9 - Macro 179–182 User Preset 10 - Macro 183–186 User Preset 11 - Macro 187–190 User Preset 12 - Macro 191–194 User Preset 13 - Macro 195–198 User Preset 14 - Macro 199–202 User Preset 15 - Macro 203–206 User Preset 16 - Macro 207–210 User Preset 17 - Macro 211–218 User Preset 18 - Macro 219–222 User Preset 20 - Macro 223–255 Channel Off - Custom

SOCC Mode 2 Zone (continued)

Ch	Function	Default	DMX values
5	Control1	0	0–5 Idle - Custom 6–10 Full Luminaire Recal - Reset 11–15 Fixture Shutdown - Custom 16–20 Reserved - Custom 21–25 Display-Menu On - Custom 26–30 Display-Menu Off - Custom 31–35 Tungsten Dimming On - Custom 36–40 Tungsten Dimming Off - Custom 41–45 Dimming Curve Linear - Dimmer 46–50 Dimming Curve S-Curve - Dimmer 51–55 Dimming Curve Square Law - Dimmer 56–60 Reserved - Custom 61–65 Dimmer Snap On - Speed 66–70 Dimmer Snap Off - Speed 71–90 Reserved - Custom 91–95 Color Calibration On - Reset 96–100 Color Callbration Off - Custom 101–150 No Func - Custom 151–155 Record Color Preset - Custom 156–170 Reserved - Custom 171–175 Reset Fixture To Default - Reset 176–255 Reserved - Custom
6	Red	255	
7	Red Fine	255	Fine byte of Red
8	Green	255	
9	Green Fine	255	Fine byte of Green
10	Blue	255	
11	Blue Fine	255	Fine byte of Blue
12	Color Add RY	0	
13	Color Add RY Fine	0	Fine byte of Color Add RY
14	Color Add GY	0	
15	Color Add GY Fine	0	Fine byte of Color Add GY
16	Color Add C	0	
17	Color Add C Fine	0	Fine byte of Color Add C
18	Red	255	
19	Red Fine	255	Fine byte of Red
20	Green	255	
21	Green Fine	255	Fine byte of Green
22	Blue	255	
23	Blue Fine	255	Fine byte of Blue
24	Color Add RY	0	
25	Color Add RY Fine	0	Fine byte of Color Add RY
26	Color Add GY	0	
27	Color Add GY Fine	0	Fine byte of Color Add GY
28	Color Add C	0	
29	Color Add C Fine	0	Fine byte of Color Add C