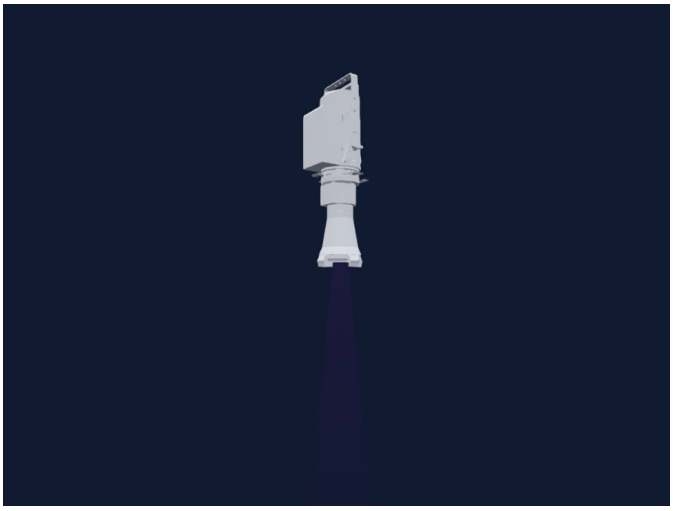
Vari-Lite

# Profile Light Engine FC 14Deg



| | |
|---|---|
| Manufacturer | **Vari-Lite** |
| Type | **Profile spot** |
| DMX modes | **3** |
| DMX footprint | **4, 14, 18 channels** |
| Beam angle | **12.6°** |
| Size (W × H × D) | **279 × 406 × 76 mm** |
| GDTF fixture type | **060125DA-283E-11ED-BB18-52…** |

## Controls

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

## Safety-relevant functions

Fixture reset · Service functions · Strobe

## DMX modes

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

## SSCC Mode

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

## SSCC Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Fans | 0 | 0–4 Fan - Custom<br>5–255 S > F - Speed |
| **6** | Control1 | 0 | 0–5 Idle - Custom<br>6–10 Full Luminaire Recal - Reset<br>11–15 Fixture Shutdown - Custom<br>16–20 Reserved - Custom<br>21–25 Display-Menu On - Custom<br>26–30 Display-Menu Off - Custom<br>31–35 Tungsten Dimming On - Custom<br>36–40 Tungsten Dimming Off - Custom<br>41–45 Dimming Curve Linear - Dimmer<br>46–50 Dimming Curve S-Curve - Dimmer<br>51–55 Dimming Curve Square Law - Dimmer<br>56–60 Reserved - Custom<br>61–65 Dimmer Snap On - Speed<br>66–70 Dimmer Snap Off - Speed<br>71–90 Reserved - Custom<br>91–95 Color Calibration On - Reset<br>96–100 Color Callbration Off - Custom<br>101–110 No Func - Custom<br>111–115 Standard Mode - Custom<br>116–120 Studio Mode - Custom<br>121–125 Whisper Mode - Custom<br>126–135 Reserved - Custom<br>136–140 Fan On - Custom<br>141–145 Fan Auto - Custom<br>146–150 Reserved - Custom<br>151–155 Record Color Preset - Custom<br>156–170 Reserved - Custom<br>171–175 Reset Fixture To Default - Reset<br>176–255 Reserved - Custom |
| **7** | Cyan | 0 | |
| **8** | Cyan Fine | 0 | Fine byte of Cyan |
| **9** | Yellow | 0 | |
| **10** | Yellow Fine | 0 | Fine byte of Yellow |
| **11** | Magenta | 0 | |
| **12** | Magenta Fine | 0 | Fine byte of Magenta |
| **13** | C TC | 75 | 0–24 1800K - CTC<br>25–49 2700K - CTC<br>50–74 3000K - CTC<br>75–99 3200K - CTC<br>100–124 4000K - CTC<br>125–149 4500K - CTC<br>150–174 5000K - CTC<br>175–199 5600K - CTC<br>200–224 6500K - CTC<br>225–249 8000K - CTC<br>250–250 10000K - CTC<br>251–255 Reserved - Custom |
| **14** | Color Mix Mode | 0 | 0–10 No Func - Custom<br>11–29 Full Minus Green - Color<br>30–69 -99% > -1% - Color<br>70–129 No Func - Custom<br>130–189 1% > 99% - Color<br>190–255 Full Plus Green - Color |

## SOCC Mode

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

## SOCC Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 5 | Fans | 0 | 0–4 Fan - Custom<br>5–255 S > F - Speed |
| 6 | Control1 | 0 | 0–5 Idle - Custom<br>6–10 Full Luminaire Recal - Reset<br>11–15 Fixture Shutdown - Custom<br>16–20 Reserved - Custom<br>21–25 Display-Menu On - Custom<br>26–30 Display-Menu Off - Custom<br>31–35 Tungsten Dimming On - Custom<br>36–40 Tungsten Dimming Off - Custom<br>41–45 Dimming Curve Linear - Dimmer<br>46–50 Dimming Curve S-Curve - Dimmer<br>51–55 Dimming Curve Square Law - Dimmer<br>56–60 Reserved - Custom<br>61–65 Dimmer Snap On - Speed<br>66–70 Dimmer Snap Off - Speed<br>71–90 Reserved - Custom<br>91–95 Color Calibration On - Reset<br>96–100 Color Callbration Off - Custom<br>101–110 No Func - Custom<br>111–115 Standard Mode - Custom<br>116–120 Studio Mode - Custom<br>121–125 Whisper Mode - Custom<br>126–135 Reserved - Custom<br>136–140 Fan On - Custom<br>141–145 Fan Auto - Custom<br>146–150 Reserved - Custom<br>151–155 Record Color Preset - Custom<br>156–170 Reserved - Custom<br>171–175 Reset Fixture To Default - Reset<br>176–255 Reserved - Custom |
| 7 | Red | 255 | |
| 8 | Red Fine | 255 | Fine byte of Red |
| 9 | Green | 255 | |
| 10 | Green Fine | 255 | Fine byte of Green |
| 11 | Blue | 255 | |
| 12 | Blue Fine | 255 | Fine byte of Blue |
| 13 | Color Add RY | 0 | |
| 14 | Color Add RY Fine | 0 | Fine byte of Color Add RY |
| 15 | Color Add GY | 0 | |
| 16 | Color Add GY Fine | 0 | Fine byte of Color Add GY |
| 17 | Color Add C | 0 | |
| 18 | Color Add C Fine | 0 | Fine byte of Color Add C |