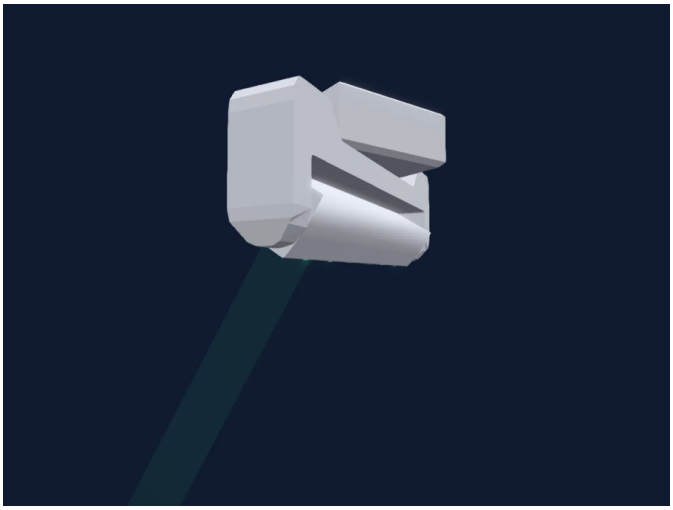
Lotus Light

# Scorpion 6



| | |
|---|---|
| Manufacturer | **Lotus Light** |
| Type | **Moving head** |
| DMX modes | **2** |
| DMX footprint | **34, 54 channels** |
| Beam angle | **2°** |
| Pan range | **540°** |
| Tilt range | **360°** |
| Size (W × H × D) | **490 × 90 × 90 mm** |
| GDTF fixture type | **FE176511-96B5-452A-8DA5-56…** |

## Controls

Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

## Safety-relevant functions

Fixture reset · Strobe · Built-in effect programmes

## DMX modes

| | |
|---|---|
| 34 CH | 34 ch |
| 54 CH | 54 ch |

## 34 CH

34 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 0 | |
| 2 | Pan Fine | 128 | Fine byte of Pan |
| 3 | Tilt | 127 | |
| 4 | Tilt Fine | 255 | Fine byte of Tilt |
| 5 | Position MSpeed | 0 | 0–0 Fast<br>1–254 Speed<br>255–255 Slow |
| 6 | Pan Rotate | 0 | 0–55 No Feature<br>56–155 Pan Rotate Clockwise<br>156–255 Pan Rotate Anticlockwise |
| 7 | Tilt Rotate | 0 | 0–55 No Feature<br>56–155 Tilt Rotate Clockwise<br>156–255 Tilt Rotate Anticlockwise |
| 8 | Shutter / Strobe | 0 | 0–15 No Function<br>16–214 Clockwise Slow to fast<br>215–255 Anticlockwise slow to fast |
| 9 | Dimmer | 255 | 0–0 % 0 Dimmer<br>1–127 % 50 Dimmer<br>128–255 % 100 Dimmer |
| 10 | Dimmer Curve | 0 | 0–49 Mode 1<br>50–99 Mode 2<br>100–149 Mode 3<br>150–255 Mode 4 |
| 11 | Zoom | 0 | 0–0 Nar<br>1–127 Zoom<br>128–255 Wide |
| 12 | Color RGBRed | 255 | 0–0 min<br>1–127 % 50 Red<br>128–255 % 100 Red |
| 13 | Color RGBGreen | 255 | 0–0 min<br>1–127 % 50 Green<br>128–255 % 100 Green |
| 14 | Color RGBBlue | 255 | 0–0 min<br>1–127 % 50 Blue<br>128–255 % 100 Blue |
| 15 | White | 255 | 0–0 min<br>1–127 % 50 White<br>128–255 % 100 White |

## 34 CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | Color Wheel | 0 | 0–15 Open (wheel slot 1)<br>16–35 Red (wheel slot 2)<br>36–55 Orange (wheel slot 3)<br>56–75 R 0% G100 B up (wheel slot 4)<br>76–95 R 0%G100%B up (wheel slot 5)<br>96–115 R upG0%B100% (wheel slot 6)<br>116–135 R 100%G0%B down (wheel slot 7)<br>136–155 R 100%G up B up (wheel slot 8)<br>156–175 R100%G downB100% (wheel slot 9)<br>176–195 R100G 100B100W100% (wheel slot 10)<br>196–200 2800 (wheel slot 1)<br>201–205 3200 (wheel slot 2)<br>206–210 3500 (wheel slot 3)<br>211–215 4000 (wheel slot 4)<br>216–220 4500 (wheel slot 5)<br>221–225 5000 (wheel slot 6)<br>226–230 5500 (wheel slot 7)<br>231–235 6000 (wheel slot 8)<br>236–240 6500 (wheel slot 9)<br>241–245 7000 (wheel slot 10)<br>246–250 7500 (wheel slot 11)<br>251–255 8000 (wheel slot 12) |
| **17** | Effect | 0 | 0–9 No Function<br>10–99 11 numbers 1 effect<br>100–149 Jump<br>150–255 Gradual change |
| **18** | Color Effects1 | 0 | 0–9 No Effect<br>10–19 Static 1<br>20–29 Static 2<br>30–39 Static 3<br>40–49 Static 4<br>50–59 Static 5<br>60–69 Static 6<br>70–79 Static 7<br>80–89 Static 8<br>90–99 Static 9<br>100–109 Static 10<br>110–119 Static 11<br>120–129 Static 12<br>130–139 Static 13<br>140–149 Static 14<br>150–159 Static 15<br>160–169 Static 16<br>170–179 Dynamic 1<br>180–189 Dynamic 2<br>190–199 Dynamic 3<br>200–209 Dynamic 4<br>210–219 Dynamic 5<br>220–229 Dynamic 6<br>230–239 Dynamic 7<br>240–255 Dynamic 8 |
| **19** | Color1Wheel Spin | 0 | 0–0 min<br>1–127 min Pattern Speed<br>128–255 max Pattern Speed |
| **20** | Color1Wheel Random | 0 | 0–0 min<br>1–127 min Pattern Fade<br>128–255 max Pattern Fade |
| **21** | Pattern Red | 0 | 0–0 % 0<br>1–255 Patern Red |
| **22** | Pattern Green | 0 | 0–0 min<br>1–255 Patern Green |

### 34 CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | Pattern Blue | 0 | 0–0 min<br>1–255 Patern Blue |
| **24** | Pattern White | 0 | 0–0 min<br>1–255 Patern White |
| **25** | Back Dimmer | 0 | 0–0 % 0 Back Dim<br>1–127 %50 Back Dim<br>128–255 %100 Back Dim |
| **26** | Back Shutter | 0 | 0–3 Back Shutter On<br>4–203 Back Stobe slow < fast<br>204–255 Back Random strobe |
| **27** | Back White | 0 | 0–0 % 0<br>1–255 Back White |
| **28** | Back Red | 0 | 0–0 % 0<br>1–255 Back Red |
| **29** | Back Green | 0 | 0–0 % 0<br>1–255 Back Green |
| **30** | Back Blue | 0 | 0–0 % 0<br>1–255 Back Blue |
| **31** | Back Gobo | 0 | 0–9 No function<br>10–19 Dynamic pattern 1<br>20–29 Dynamic pattern 2<br>30–39 Dynamic pattern 3<br>40–49 Dynamic pattern 4<br>50–59 Dynamic pattern 5<br>60–69 Dynamic pattern 6<br>70–79 Dynamic pattern 7<br>80–89 Dynamic pattern 8<br>90–99 Dynamic pattern 9<br>100–109 Dynamic pattern 10<br>110–119 Dynamic pattern 11<br>120–129 Dynamic pattern 12<br>130–139 Dynamic pattern 13<br>140–149 Dynamic pattern 14<br>150–159 Dynamic pattern 15<br>160–255 Dynamic pattern 16 |
| **32** | Back Gobo Rot | 0 | 0–0 min<br>1–127 Center GoboRot<br>128–255 max Gobo Rot |
| **33** | Back Speed | 0 | 0–0 min<br>1–127 Center<br>128–255 Max Back Speed |
| **34** | Control1 | 0 | 0–79 No Function<br>80–99 Reset All<br>100–255 No Function |

## 54 CH

54 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 0 | |
| **2** | Pan Fine | 128 | Fine byte of Pan |
| **3** | Tilt | 127 | |
| **4** | Tilt Fine | 255 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |

## 54 CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 6 | Pan Rotate | 0 | 0–55 No Feature<br>56–155 Pan Rotate Clockwise<br>156–255 Pan Rotate Anticlockwise |
| 7 | Tilt Rotate | 0 | 0–55 No Feature<br>56–155 Tilt Rotate Clockwise<br>156–255 Tilt Rotate Anticlockwise |
| 8 | Shutter / Strobe | 0 | 0–15 No Function<br>16–214 Clockwise Slow to fast<br>215–255 Anticlockwise slow to fast |
| 9 | Dimmer | 255 | 0–0 % 0 Dimmer<br>1–127 % 50 Dimmer<br>128–255 % 100 Dimmer |
| 10 | Dimmer Curved | 0 | 0–49 Mode 1<br>50–99 Mode 2<br>100–149 Mode 3<br>150–255 Mode 4 |
| 11 | Zoom | 0 | 0–0 Nar<br>1–127 Zoom<br>128–255 Wide |
| 12 | Red1 | 0 | |
| 13 | Green1 | 0 | |
| 14 | Blue1 | 0 | |
| 15 | White1 | 0 | |
| 16 | Red2 | 0 | |
| 17 | Green2 | 0 | |
| 18 | Blue2 | 0 | |
| 19 | White2 | 0 | |
| 20 | Red3 | 0 | |
| 21 | Green3 | 0 | |
| 22 | Blue3 | 0 | |
| 23 | White3 | 0 | |
| 24 | Red4 | 0 | |
| 25 | Green4 | 0 | |
| 26 | Blue4 | 0 | |
| 27 | White4 | 0 | |
| 28 | Red5 | 0 | |
| 29 | Green5 | 0 | |
| 30 | Blue5 | 0 | |
| 31 | White5 | 0 | |
| 32 | Red6 | 0 | |
| 33 | Green6 | 0 | |
| 34 | Blue6 | 0 | |
| 35 | White6 | 0 | |

## 54 CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **36** | Color Wheel | 0 | 0–15 No function (wheel slot 1)<br>16–35 R 100%G up B0% (wheel slot 2)<br>36–55 R downG 100% B0% (wheel slot 3)<br>56–75 R 0% G 100% B up (wheel slot 4)<br>76–95 R 0% G100%B up (wheel slot 5)<br>96–115 R up G0%B100% (wheel slot 6)<br>116–135 R 100%G0% B down (wheel slot 7)<br>136–155 R 100%G up B up (wheel slot 8)<br>156–175 R 100%G down B100% (wheel slot 9)<br>176–195 R100%G 100%B100%W100% (wheel slot 10)<br>196–200 2800K<br>201–205 3200K<br>206–210 3500K<br>211–215 4000K<br>216–220 4500K<br>221–225 5000K<br>226–230 5500K<br>231–235 6000K<br>236–240 6500K<br>241–245 7000K<br>246–250 7500K<br>251–255 8000K |
| **37** | Effect | 0 | 0–9 No Effect<br>10–99 11 DMX value per effect<br>100–149 Jump change<br>150–255 gradual change |
| **38** | Gobo | 0 | 0–9 No Effect<br>10–19 Static Pattern -1<br>20–29 Static Pattern -2<br>30–39 Static Pattern -3<br>40–49 Static Pattern -4<br>50–59 Static Pattern -5<br>60–69 Static Pattern -6<br>70–79 Static Pattern -7<br>80–89 Static Pattern -8<br>90–99 Static Pattern -9<br>100–109 Static Pattern -10<br>110–119 Static Pattern -11<br>120–129 Static Pattern -12<br>130–139 Static Pattern -13<br>140–149 Static Pattern -14<br>150–159 Static Pattern -15<br>160–169 Static Pattern -16<br>170–179 Dynamic Pattern -1<br>180–189 Dynamic Pattern -2<br>190–199 Dynamic Pattern -3<br>200–209 Dynamic Pattern -4<br>210–219 Dynamic Pattern -5<br>220–229 Dynamic Pattern -6<br>230–239 Dynamic Pattern -7<br>240–255 Dynamic Pattern -8 |
| **39** | Gobo Rotation | 0 | |
| **40** | Gobo Rotation | 0 | |
| **41** | Pattern Red | 0 | |
| **42** | Pattern Green | 0 | |
| **43** | Pattern Blue | 0 | |
| **44** | Pattern White | 0 | |

## 54 CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **45** | Back Dimmer | 0 | 0–0 % 0 BackDimmer<br>1–127 % 50 BackDimmer<br>128–255 % 100 BackDimmer |
| **46** | Back Shutter | 0 | 0–3 Led on<br>4–203 slow to fast<br>204–255 Random strobe |
| **47** | Back White | 0 | |
| **48** | Back Red | 0 | |
| **49** | Back Green | 0 | |
| **50** | Back Blue | 0 | |
| **51** | Back Gobo | 0 | 0–9 No function<br>10–19 Dynamic pattern 1<br>20–29 Dynamic pattern 2<br>30–39 Dynamic pattern 3<br>40–49 Dynamic pattern 4<br>50–59 Dynamic pattern 5<br>60–69 Dynamic pattern 6<br>70–79 Dynamic pattern 7<br>80–89 Dynamic pattern 8<br>90–99 Dynamic pattern 9<br>100–109 Dynamic pattern 10<br>110–119 Dynamic pattern 11<br>120–129 Dynamic pattern 12<br>130–139 Dynamic pattern 13<br>140–149 Dynamic pattern 14<br>150–159 Dynamic pattern 15<br>160–255 Dynamic pattern 16 |
| **52** | Back Gobo Rot | 0 | |
| **53** | Back Speed | 0 | 0–9 No function<br>10–132 Forward run fast to slow<br>133–255 Reverse run slow to fast |
| **54** | Control1 | 0 | 0–79 No function<br>80–99 Reset All<br>100–255 No function |