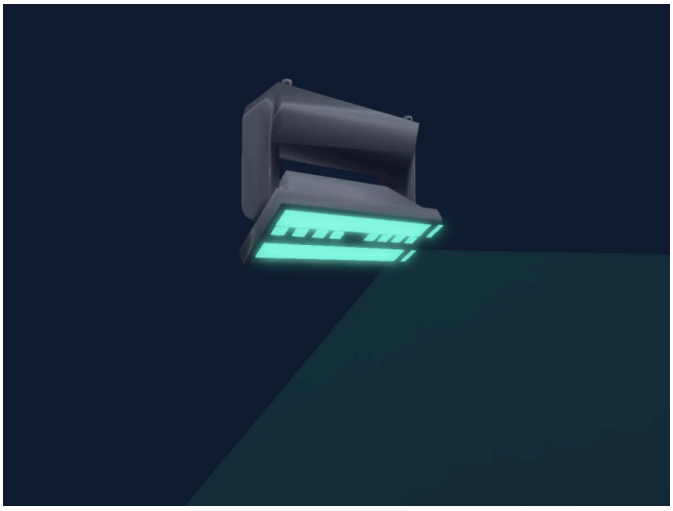
Vello Light

# Storm 3500 IP



| | |
|---|---|
| Manufacturer | **Vello Light** |
| Type | **Moving head** |
| DMX modes | **5** |
| DMX footprint | **11, 15, 59, 61, 71 channels** |
| Beam angle | **95-123°** |
| Tilt range | **180°** |
| Heads / cells | **8** |
| Size (W × H × D) | **408 × 134 × 189 mm** |
| GDTF fixture type | **3D715C15-DAA9-4BDB-9C91-A…** |

## Controls

Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

## Safety-relevant functions

Fixture reset

## DMX modes

| | |
|---|---|
| 11ch Mode | 11 ch |
| 15ch Mode | 15 ch |
| 59 ch mode 2 | 59 ch |
| 61 ch Mode | 61 ch |
| 71Ch Mode | 71 ch |

## 11ch Mode

11 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | Shutter / Strobe | 0 | |
| 3 | Strobe Rate | 0 | |
| 4 | Strobe Duration | 0 | |
| 5 | Tilt | 0 | |
| 6 | Tilt Fine | 0 | Fine byte of Tilt |
| 7 | Position MSpeed | 0 | |
| 8 | Red | 0 | |
| 9 | Green | 0 | |
| 10 | Blue | 0 | |
| 11 | White | 0 | |

## 15ch Mode

15 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | Shutter / Strobe | 0 | |
| 3 | Strobe Rate | 0 | |
| 4 | Strobe Duration | 0 | |
| 5 | Tilt | 0 | |
| 6 | Tilt Fine | 0 | Fine byte of Tilt |
| 7 | Position MSpeed | 0 | |
| 8 | Red | 0 | |
| 9 | Green | 0 | |
| 10 | Blue | 0 | |
| 11 | White | 0 | |
| 12 | Color Macro1 | 0 | |
| 13 | Color Macro2 | 0 | |
| 14 | Color Macro3 | 0 | |
| 15 | Dummy | 0 | |

## 59 ch mode 2

59 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Tilt | 127 | |
| 2 | Tilt Fine | 255 | Fine byte of Tilt |
| 3 | Shutter / Strobe | 0 | 0–9 Shutter Open - Shutter Open<br>10–79 Strobe S > F - Strobe<br>80–149 Pulse S > F - Strobe Pulse Random<br>150–219 Strobe Random S > F - Strobe Random<br>220–255 Shutter Open - Shutter Open |
| 4 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 5 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 59 ch mode 2 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 6 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 7 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 8 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 9 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 10 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 11 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 12 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 13 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 14 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 15 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 16 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 17 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 18 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 19 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 20 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 21 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 22 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 23 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 59 ch mode 2 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **25** | Red | 0 | |
| **26** | Green | 0 | |
| **27** | Blue | 0 | |
| **28** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **29** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **30** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **31** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **32** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **33** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **34** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **35** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **36** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **37** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **38** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **39** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **40** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **41** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **42** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **43** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

### 59 ch mode 2 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **44** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **45** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **46** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **47** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **48** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **49** | Color RGBRed | 0 | |
| **50** | Color RGBGreen | 0 | |
| **51** | Color RGBBlue | 0 | |
| **52** | White | 0 | |
| **53** | White | 0 | |
| **54** | White | 0 | |
| **55** | White | 0 | |
| **56** | White | 0 | |
| **57** | White | 0 | |
| **58** | White | 0 | |
| **59** | White | 0 | |

## 61 ch Mode

61 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | |
| **2** | Tilt | 127 | |
| **3** | Tilt Fine | 255 | Fine byte of Tilt |
| **4** | Shutter / Strobe | 0 | 0–9 Shutter Open - Shutter Open<br>10–79 Strobe S > F - Strobe<br>80–149 Pulse S > F - Strobe Pulse Random<br>150–219 Strobe Random S > F - Strobe Random<br>220–255 Shutter Open - Shutter Open |
| **5** | Shutter / Strobe | 0 | 0–9 Shutter Open - Shutter Open<br>10–79 Strobe S > F - Strobe<br>80–149 Pulse S > F - Strobe Pulse Random<br>150–219 Strobe Random S > F - Strobe Random<br>220–255 Shutter Open - Shutter Open |
| **6** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **7** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **8** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 61 ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **9** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **10** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **11** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **12** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **13** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **14** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **15** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **16** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **17** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **18** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **19** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **20** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **21** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **22** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **23** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **24** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **25** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **26** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **27** | Red | 0 | |

## 61 ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 28 | Green | 0 | |
| 29 | Blue | 0 | |
| 30 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 31 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 32 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 33 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 34 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 35 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 36 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 37 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 38 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 39 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 40 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 41 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 42 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 43 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 44 | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 45 | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 46 | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

### 61 ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **47** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **48** | Color RGBRed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **49** | Color RGBGreen | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **50** | Color RGBBlue | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **51** | Color RGBRed | 0 | |
| **52** | Color RGBGreen | 0 | |
| **53** | Color RGBBlue | 0 | |
| **54** | White | 0 | |
| **55** | White | 0 | |
| **56** | White | 0 | |
| **57** | White | 0 | |
| **58** | White | 0 | |
| **59** | White | 0 | |
| **60** | White | 0 | |
| **61** | White | 0 | |

## 71Ch Mode

71 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | |
| **2** | Shutter / Strobe | 0 | 0–9 Shutter Open - Shutter Open<br>10–79 Strobe S > F - Strobe<br>80–149 Pulse S > F - Strobe Pulse Random<br>150–219 Strobe Random S > F - Strobe Random<br>220–255 Shutter Open - Shutter Open |
| **3** | Strobe Duration | 0 | |
| **4** | Strobe Rate | 0 | |
| **5** | Tilt | 127 | |
| **6** | Tilt Fine | 255 | Fine byte of Tilt |
| **7** | Position MSpeed | 0 | |
| **8** | Color RGBRed | 0 | |
| **9** | Color RGBGreen | 0 | |
| **10** | Color RGBBlue | 0 | |
| **11** | White | 0 | |
| **12** | Dummy | 0 | |
| **13** | Color Macro1 | 0 | |
| **14** | Color Macro2 | 0 | |
| **15** | Color Macro3 | 0 | |
| **16** | Red | 0 | |
| **17** | Green | 0 | |
| **18** | Blue | 0 | |

## 71Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 19 | Color RGBRed | 0 | |
| 20 | Color RGBGreen | 0 | |
| 21 | Color RGBBlue | 0 | |
| 22 | Color RGBRed | 0 | |
| 23 | Color RGBGreen | 0 | |
| 24 | Color RGBBlue | 0 | |
| 25 | Color RGBRed | 0 | |
| 26 | Color RGBGreen | 0 | |
| 27 | Color RGBBlue | 0 | |
| 28 | Color RGBRed | 0 | |
| 29 | Color RGBGreen | 0 | |
| 30 | Color RGBBlue | 0 | |
| 31 | Color RGBRed | 0 | |
| 32 | Color RGBGreen | 0 | |
| 33 | Color RGBBlue | 0 | |
| 34 | Color RGBRed | 0 | |
| 35 | Color RGBGreen | 0 | |
| 36 | Color RGBBlue | 0 | |
| 37 | Color RGBRed | 0 | |
| 38 | Color RGBGreen | 0 | |
| 39 | Color RGBBlue | 0 | |
| 40 | Color RGBRed | 0 | |
| 41 | Color RGBGreen | 0 | |
| 42 | Color RGBBlue | 0 | |
| 43 | Color RGBRed | 0 | |
| 44 | Color RGBGreen | 0 | |
| 45 | Color RGBBlue | 0 | |
| 46 | Color RGBRed | 0 | |
| 47 | Color RGBGreen | 0 | |
| 48 | Color RGBBlue | 0 | |
| 49 | Color RGBRed | 0 | |
| 50 | Color RGBGreen | 0 | |
| 51 | Color RGBBlue | 0 | |
| 52 | Color RGBRed | 0 | |
| 53 | Color RGBGreen | 0 | |
| 54 | Color RGBBlue | 0 | |
| 55 | Color RGBRed | 0 | |
| 56 | Color RGBGreen | 0 | |
| 57 | Color RGBBlue | 0 | |
| 58 | Color RGBRed | 0 | |
| 59 | Color RGBGreen | 0 | |
| 60 | Color RGBBlue | 0 | |
| 61 | Color RGBRed | 0 | |
| 62 | Color RGBGreen | 0 | |
| 63 | Color RGBBlue | 0 | |

## 71Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **64** | White | 0 | |
| **65** | White | 0 | |
| **66** | White | 0 | |
| **67** | White | 0 | |
| **68** | White | 0 | |
| **69** | White | 0 | |
| **70** | White | 0 | |
| **71** | White | 0 | |