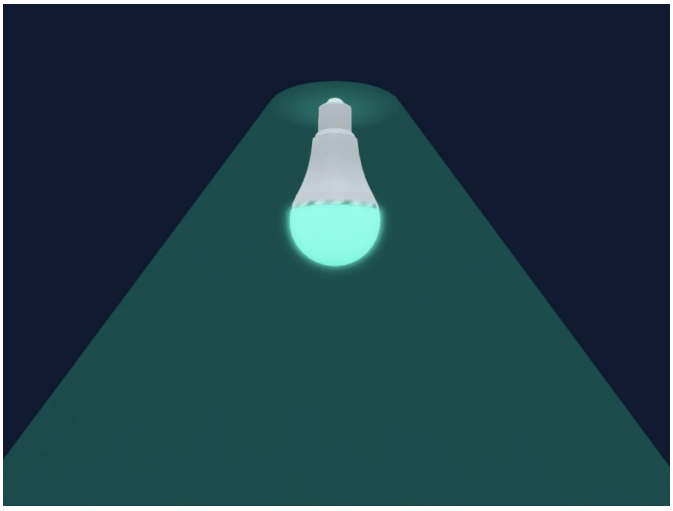
OGSON fixtures

# Astera NYX Bulb



| | |
|---|---|
| Manufacturer | **OGSON fixtures** |
| Type | **PAR** |
| DMX modes | **29** |
| DMX footprint | **3, 4, 5, 6, 7, 8, 9, 10, 13 channels** |
| Beam angle | **68°** |
| Size (W × H × D) | **69 × 87 × 69 mm** |
| GDTF fixture type | **AF39E2EE-4F4F-48B3-ABD8-42…** |

## Controls

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

## Safety-relevant functions

Strobe

## DMX modes

| | |
|---|---|
| 1: RGB | 3 ch |
| 2: RGBW | 4 ch |
| 4: DIM RGB | 4 ch |
| 8: RGBS | 4 ch |
| 11: DIM RGBS | 5 ch |
| 3: RGBAW | 5 ch |
| 5: DIM RGBW | 5 ch |
| 9: RGBWS | 5 ch |
| 90: D CCT GM HUE SAT | 5 ch |
| 10: RGBAWS | 6 ch |
| 12: DIM RGBWS | 6 ch |
| 6: DIM RGBAW | 6 ch |
| 7: RGB CCT DIM IND | 6 ch |
| 93: D16 X Y | 6 ch |
| 95: D CCT GM HUE SAT S | 6 ch |
| 13: DIM RGBAWS | 7 ch |
| 14: RGB CCT DIM IND S | 7 ch |
| 89: D CCT GM CRO RGB | 7 ch |
| 92: D16 CCT GM H SAT | 7 ch |
| 97: D16 X Y S | 7 ch |
| 168: D CCT GM C CRO XY | 8 ch |
| 91: D16 CCT GM C RGB | 8 ch |
| 94: D CCT GM CRO RGB S | 8 ch |
| 96: D16 CCT GM H SAT S | 8 ch |

| | |
|---|---|
| 137: D16 CCT GM C RGB S | 9 ch |
| 169: D16 CCT GM C CRO XY | 9 ch |
| 170: D CCT GM C CRO XY S | 9 ch |
| 171: D16 CCT GM C CRO XY S | 10 ch |
| 15: EFFECT MODE FIX | 13 ch |

## 1: RGB

3 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |
| 3 | Blue | 255 | |

## 2: RGBW

4 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |
| 3 | Blue | 255 | |
| 4 | White | 0 | |

## 4: DIM RGB

4 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Red | 255 | |
| 3 | Green | 255 | |
| 4 | Blue | 255 | |

## 8: RGBS

4 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |
| 3 | Blue | 255 | |
| 4 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 11: DIM RGBS

5 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Red | 255 | |
| 3 | Green | 255 | |
| 4 | Blue | 255 | |
| 5 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 3: RGBAW

5 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |
| 3 | Blue | 255 | |
| 4 | Color Add RY | 0 | |
| 5 | White | 0 | |

## 5: DIM RGBW

5 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Red | 255 | |
| 3 | Green | 255 | |
| 4 | Blue | 255 | |
| 5 | White | 0 | |

## 9: RGBWS

5 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |
| 3 | Blue | 255 | |
| 4 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |
| 5 | White | 0 | |

## 90: D CCT GM HUE SAT

5 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | C TC | 77 | |
| 3 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 4 | H SBHue | 0 | |
| 5 | H SBSaturation | 0 | |

## 10: RGBAWS

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |

### 10: RGBAWS (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 3 | Blue | 255 | |
| 4 | Color Add RY | 0 | |
| 5 | White | 0 | |
| 6 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 12: DIM RGBWS

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Red | 255 | |
| 3 | Green | 255 | |
| 4 | Blue | 255 | |
| 5 | White | 0 | |
| 6 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 6: DIM RGBAW

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Red | 255 | |
| 3 | Green | 255 | |
| 4 | Blue | 255 | |
| 5 | Color Add RY | 0 | |
| 6 | White | 0 | |

## 7: RGB CCT DIM IND

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |
| 3 | Blue | 255 | |
| 4 | C TC | 77 | |
| 5 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 6 | Color Macro1 | 0 | |

## 93: D16 X Y

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C IEX | 0 | |
| 4 | C IEX Fine | 0 | Fine byte of C IEX |
| 5 | C IEY | 0 | |
| 6 | C IEY Fine | 0 | Fine byte of C IEY |

## 95: D CCT GM HUE SAT S

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | C TC | 5 | |
| 3 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 4 | H SBHue | 0 | |
| 5 | H SBSaturation | 0 | |
| 6 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 13: DIM RGBAWS

7 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Red | 255 | |
| 3 | Green | 255 | |
| 4 | Blue | 255 | |
| 5 | Color Add RY | 0 | |
| 6 | White | 0 | |
| 7 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 14: RGB CCT DIM IND S

7 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 255 | |
| 2 | Green | 255 | |

### 14: RGB CCT DIM IND S (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 3 | Blue | 255 | |
| 4 | C TC | 77 | |
| 5 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 6 | Color Macro1 | 0 | |
| 7 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 89: D CCT GM CRO RGB

7 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | C TC | 77 | |
| 3 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 4 | Crossfade | 0 | |
| 5 | Red | 255 | |
| 6 | Green | 255 | |
| 7 | Blue | 255 | |

## 92: D16 CCT GM H SAT

7 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 77 | |
| 4 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 5 | H SBHue | 0 | |
| 6 | H SBHue Fine | 0 | Fine byte of H SBHue |
| 7 | H SBSaturation | 0 | |

## 97: D16 X Y S

7 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |

### 97: D16 X Y S (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C IEX | 0 | |
| 4 | C IEX Fine | 0 | Fine byte of C IEX |
| 5 | C IEY | 0 | |
| 6 | C IEY Fine | 0 | Fine byte of C IEY |
| 7 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 168: D CCT GM C CRO XY

8 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | C TC | 77 | |
| 3 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 4 | Crossfade | 0 | |
| 5 | C IEX | 0 | |
| 6 | C IEX Fine | 0 | Fine byte of C IEX |
| 7 | C IEY | 0 | |
| 8 | C IEY Fine | 0 | Fine byte of C IEY |

## 91: D16 CCT GM C RGB

8 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 77 | |
| 4 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 5 | Crossfade | 0 | |
| 6 | Red | 255 | |
| 7 | Green | 255 | |
| 8 | Blue | 255 | |

## 94: D CCT GM CRO RGB S

8 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | C TC | 77 | |
| 3 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 4 | Crossfade | 0 | |
| 5 | Red | 255 | |
| 6 | Green | 255 | |
| 7 | Blue | 255 | |
| 8 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 96: D16 CCT GM H SAT S

8 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 77 | |
| 4 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 5 | H SBHue | 0 | |
| 6 | H SBHue Fine | 0 | Fine byte of H SBHue |
| 7 | H SBSaturation | 0 | |
| 8 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 137: D16 CCT GM C RGB S

9 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 77 | |

### 137: D16 CCT GM C RGB S (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 4 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 5 | Crossfade | 0 | |
| 6 | Red | 255 | |
| 7 | Green | 255 | |
| 8 | Blue | 255 | |
| 9 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 169: D16 CCT GM C CRO XY

9 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 77 | |
| 4 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 5 | Crossfade | 0 | |
| 6 | C IEX | 0 | |
| 7 | C IEX Fine | 0 | Fine byte of C IEX |
| 8 | C IEY | 0 | |
| 9 | C IEY Fine | 0 | Fine byte of C IEY |

## 170: D CCT GM C CRO XY S

9 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | C TC | 77 | |
| 3 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 4 | Crossfade | 0 | |
| 5 | C IEX | 0 | |
| 6 | C IEX Fine | 0 | Fine byte of C IEX |
| 7 | C IEY | 0 | |

### 170: D CCT GM C CRO XY S (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 8 | C IEY Fine | 0 | Fine byte of C IEY |
| 9 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 171: D16 CCT GM C CRO XY S

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 77 | |
| 4 | Tint | 0 | 0–4 No function<br>5–62 -2 G<br>63–126 - 1 G<br>127–190 0 G<br>191–254 + 1 G<br>255–255 +2 G |
| 5 | Crossfade | 0 | |
| 6 | C IEX | 0 | |
| 7 | C IEX Fine | 0 | Fine byte of C IEX |
| 8 | C IEY | 0 | |
| 9 | C IEY Fine | 0 | Fine byte of C IEY |
| 10 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 15: EFFECT MODE FIX

13 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Shutter / Strobe | 0 | 0–3 No function<br>4–4 Random strobe fast<br>5–5 Random strobe medium<br>6–6 Random strobe slow<br>7–254 Min strobe<br>255–255 Max strobe |

## 15: EFFECT MODE FIX (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **3** | Color Macro1 | 0 | 0–7 One Color Static<br>8–15 Two Color Static<br>16–23 Three Color Static<br>24–31 Four Color Static<br>32–39 One Color Fade<br>40–47 Two Color Fade<br>48–55 Three Color Fade<br>56–63 Four Color Fade<br>64–71 Simple Running<br>72–79 Double Running<br>80–87 Two Col Running<br>88–95 Flag Running<br>96–101 Double Flag Running<br>102–109 Spiral 4 Color<br>110–117 Spiral 2 Color<br>118–125 Rainbow<br>126–133 Fire<br>134–141 Rotor<br>142–149 Rotor Split 2<br>150–255 Rotor Split 4 |
| **4** | Color Macro1Rate | 0 | 0–254 Slow<br>255–255 Fast |
| **5** | Macro Trasition | 0 | 0–254 No fade<br>255–255 Smooth fade |
| **6** | Macro Direction | 0 | 0–63 Forward with Loop<br>64–127 Forward one time and stop<br>128–190 Reverse one time and stop<br>191–255 Reverse with Loop |
| **7** | Macro Size | 0 | 0–63 1 Group<br>64–127 2 Groups<br>128–190 3 Groups<br>191–255 4 Groups |
| **8** | Macro Offset | 0 | |
| **9** | Macro Restart | 0 | |
| **10** | Index Color1 | 2 | |
| **11** | Index Color2 | 2 | |
| **12** | Index Color3 | 2 | |
| **13** | Index Color4 | 2 | |