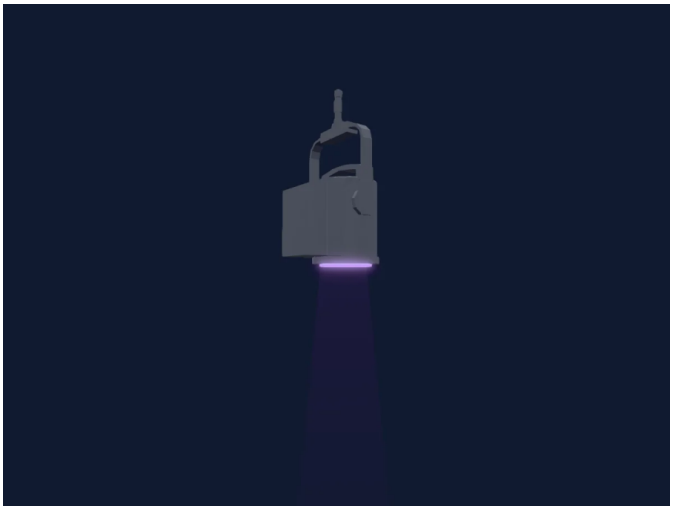
ARRI

# L7C



| | |
|---|---|
| Manufacturer | **ARRI** |
| Type | **Spot** |
| DMX modes | **10** |
| DMX footprint | **3, 5, 6, 8, 10, 12, 16 channels** |
| Beam angle | **15°** |
| Size (W × H × D) | **300 × 571 × 308 mm** |
| GDTF fixture type | **58A6CD9B-01CE-4D33-BA7D-D…** |

## Controls

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

## DMX modes

| | |
|---|---|
| Mode 2 CCT 8Bit | 3 ch |
| Mode 5 HSI 8Bit | 3 ch |
| Mode 4 RGBW 8Bit | 5 ch |
| Mode 10 HSI 16Bit | 6 ch |
| Mode 3 CCT+HSI 8Bit | 6 ch |
| Mode 7 CCT 16Bit | 6 ch |
| Mode 1 CCT+RGBW 8Bit | 8 ch |
| Mode 9 RGBW 16Bit | 10 ch |
| Mode 8 CCT+HSI 16Bit | 12 ch |
| Mode 6 CCT+RGBW 16Bit | 16 ch |

## Mode 2 CCT 8Bit

3 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | C TC | 14 | 0–13 2800k<br>14–98 3200k<br>99–254 5600k<br>255–255 10000 |
| 3 | Tint | 128 | 0–10 No Effect<br>11–20 Full Minus G<br>21–119 99% >> 1% Minus G<br>120–145 Neutral<br>146–244 1% >> 99% Plus G<br>245–255 Full Plus G |

## Mode 5 HSI 8Bit

3 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | H SBHue | 0 | 0–84 0deg - Red<br>85–169 120deg - Green<br>170–255 240deg - Blue |
| 3 | H SBSaturation | 0 | 0–254 No Sat<br>255–255 Full Sat |

## Mode 4 RGBW 8Bit

5 channels

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

## Mode 10 HSI 16Bit

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | H SBHue | 0 | 0–84 0deg - Red<br>85–169 120deg - Green<br>170–255 240deg - Blue |
| 4 | H SBHue Fine | 0 | Fine byte of H SBHue |
| 5 | H SBSaturation | 0 | 0–254 No Sat<br>255–255 Full Sat |
| 6 | H SBSaturation Fine | 0 | Fine byte of H SBSaturation |

## Mode 3 CCT+HSI 8Bit

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |

### Mode 3 CCT+HSI 8Bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 2 | C TC | 14 | 0–13 2800k<br>14–98 3200k<br>99–254 5600k<br>255–255 10000 |
| 3 | Tint | 128 | 0–10 No Effect<br>11–20 Full Minus G<br>21–119 99% >> 1% Minus G<br>120–145 Neutral<br>146–244 1% >> 99% Plus G<br>245–255 Full Plus G |
| 4 | Color XF | 0 | 0–254 White<br>255–255 Color |
| 5 | H SBHue | 0 | 0–84 0deg - Red<br>85–169 120deg - Green<br>170–255 240deg - Blue |
| 6 | H SBSaturation | 0 | 0–254 No Sat<br>255–255 Full Sat |

## Mode 7 CCT 16Bit

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 14 | 0–13 2800k<br>14–98 3200k<br>99–254 5600k<br>255–255 10000 |
| 4 | C TC Fine | 57 | Fine byte of C TC |
| 5 | Tint | 128 | 0–16 No Effect<br>17–37 Full Minus G<br>38–116 99% >> 1% Minus G<br>117–155 Neutral<br>156–234 1% >> 99% Plus G<br>235–255 Full Plus G |
| 6 | Tint Fine | 0 | Fine byte of Tint |

## Mode 1 CCT+RGBW 8Bit

8 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | C TC | 14 | 0–13 2800k<br>14–98 3200k<br>99–254 5600k<br>255–255 10000 |
| 3 | Tint | 128 | 0–10 No Effect<br>11–20 Full Minus G<br>21–119 99% >> 1% Minus G<br>120–145 Neutral<br>146–244 1% >> 99% Plus G<br>245–255 Full Plus G |
| 4 | Color XF | 0 | 0–254 White<br>255–255 Color |
| 5 | Red | 255 | |
| 6 | Green | 255 | |

### Mode 1 CCT+RGBW 8Bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Blue | 255 | |
| 8 | White | 255 | |

## Mode 9 RGBW 16Bit

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | Red | 255 | |
| 4 | Red Fine | 255 | Fine byte of Red |
| 5 | Green | 255 | |
| 6 | Green Fine | 255 | Fine byte of Green |
| 7 | Blue | 255 | |
| 8 | Blue Fine | 255 | Fine byte of Blue |
| 9 | White | 255 | |
| 10 | White Fine | 255 | Fine byte of White |

## Mode 8 CCT+HSI 16Bit

12 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 14 | 0–13 2800k<br>14–98 3200k<br>99–254 5600k<br>255–255 10000 |
| 4 | C TC Fine | 57 | Fine byte of C TC |
| 5 | Tint | 128 | 0–16 No Effect<br>17–37 Full Minus G<br>38–116 99% >> 1% Minus G<br>117–155 Neutral<br>156–234 1% >> 99% Plus G<br>235–255 Full Plus G |
| 6 | Tint Fine | 0 | Fine byte of Tint |
| 7 | Color XF | 0 | 0–254 White<br>255–255 Color |
| 8 | Color XF Fine | 0 | Fine byte of Color XF |
| 9 | H SBHue | 0 | 0–84 0deg - Red<br>85–169 120deg - Green<br>170–255 240deg - Blue |
| 10 | H SBHue Fine | 0 | Fine byte of H SBHue |
| 11 | H SBSaturation | 0 | 0–254 No Sat<br>255–255 Full Sat |
| 12 | H SBSaturation Fine | 0 | Fine byte of H SBSaturation |

## Mode 6 CCT+RGBW 16Bit

16 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |

## Mode 6 CCT+RGBW 16Bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | C TC | 14 | 0–13 2800k<br>14–98 3200k<br>99–254 5600k<br>255–255 10000 |
| 4 | C TC Fine | 57 | Fine byte of C TC |
| 5 | Tint | 128 | 0–16 NO Effect<br>17–37 Full Minus G<br>38–116 99% >> 1% Minus G<br>117–155 Neutral<br>156–234 1% >> 99% Plus G<br>235–255 Full Plus G |
| 6 | Tint Fine | 0 | Fine byte of Tint |
| 7 | Color XF | 0 | 0–254 White<br>255–255 Color |
| 8 | Color XF Fine | 0 | Fine byte of Color XF |
| 9 | Red | 255 | |
| 10 | Red Fine | 255 | Fine byte of Red |
| 11 | Green | 255 | |
| 12 | Green Fine | 255 | Fine byte of Green |
| 13 | Blue | 255 | |
| 14 | Blue Fine | 255 | Fine byte of Blue |
| 15 | White | 255 | |
| 16 | White Fine | 255 | Fine byte of White |