# SkyPanel®

## DMX Protocol Specification V4.4

# Revision history

| Date | Changes | Sign |
|------|---------|------|
| 2016–10–26 | FAN control corrected | mfg |
| 2016–11–23 | DMX values "Best color" (Mode 16 & 17) corrected | mfg |
| 2017–02–16 | Implemented V4.3 | mfg |
| 2017–03–20 | Updated V4.3 | mfg |
| 2017–04–24 | Final adjustment of 16 bit values | mfg |
| 2018–04–04 | Implemented V4.4 | mfg |
| 2018-10-24 | Minor changes | mfg |

# Content

# DMX Protocol Specification Version 4.4

Used in fixtures from firmware version 4.0

## Sxx–RP

Overview

| 8 bit<br>1 channel per function | 16 bit<br>2 channels per function | Coarse / fine<br>1–2 channels per function |
|---|---|---|
| DMX mode 1<sup>*</sup> | DMX mode 2 | DMX mode 3 |

<sup>*</sup>= Factory default

Mode 1: 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| **2**<br><br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| **3** | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| **4 – 5** | | | **Reserved for future use** |

Mode 2: 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| **1** | HI | 0 – 65.535 | 0 – 100 | **Dimmer** |
| **2** | LO | | | closed → open |
| **3**<br><br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| **4** | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| **5 – 6** | | | | **Reserved for future use** |

Mode 3: Coarse / fine channel per function

Each of the 256 coarse steps is divided in 256 fine steps. Use this mode when your lighting control desk does not support true 16 bit resolution.

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | | | **Dimmer** |
| | 0 – 255 | 0 – 100 | closed → open |
| **2** | 0 – 255 | 0 – 100 | **Dimmer fine** |
| **3** *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | | **Fan control** |
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **4** | | | **Light Strobe** |
| | 0 – 19 | 0 – 7 | No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s → 25 flashes / s |
| **5 – 6** | | | **Reserved for future use** |

# Sxx–C (Color)

Overview

| 8 bit<br>1 channel per function | 16 bit<br>1 – 2 channels per function | Coarse / fine<br>1 – 2 channels per function |
|---|---|---|
| DMX mode 1*<br>CCT & RGBW | DMX mode 6<br>CCT & RGBW | DMX mode 11<br>CCT & RGBW |
| DMX mode 2<br>CCT | DMX mode 7<br>CCT | DMX mode 12<br>CCT |
| DMX mode 3<br>CCT & H S I | DMX mode 8<br>CCT & H S I | DMX mode 13<br>CCT & H S I |
| DMX mode 4<br>RGBW | DMX mode 9<br>RGBW | DMX mode 14<br>RGBW |
| DMX mode 5<br>H S I | DMX mode 10<br>H S I | DMX mode 15<br>H S I |
| DMX mode 16<br>GEL V2 | DMX mode 17<br>GEL V2 | |
| DMX Mode 18<br>x,y coordinates | DMX Mode 19<br>x,y coordinates | |
| DMX mode 20<br>Source Matching | DMX mode 21<br>Source Matching | |
| DMX mode 22<br>Effects | DMX mode 23<br>Effects | |
| DMX mode 24<br>LE** CCT & RGBW | DMX Mode 25<br>LE** CCT & RGBW | |
| DMX mode 26<br>LE HSI | DMX Mode 27<br>LE** HSI | |
| DMX mode 28<br>LE** x, y Coordinate | DMX mode 29<br>LE** x, y Coordinate | |
| DMX Mode 30<br>Ultimate DMX | DMX Mode 31<br>Ultimate DMX | |

*= Factory default

** LE = Light Engine

Green / Magenta Point – average equivalents

| Setting | Rosco # | Setting | Rosco # |
|---|---|---|---|
| Full –Green | 3308 | Full +Green | 3304 |
| 1/2–Green | 3313 | 1/2 +Green | 3315 |
| 1/4 –Green | 3314 | 1/4 +Green | 3316 |
| 1/8 –Green | 3318 | 1/8 +Green | 3317 |

Preset Channel – DMX Value Allocation

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **Depending on DMX mode** | | | **Preset** |
| | 0 – 11 | 0 – 4 | No Effect |
| | | | **User Defined Presets** |
| | 12 – 23 | 5 – 9 | Preset 01 |
| | 24 – 35 | 10 – 14 | Preset 02 |
| | 36 – 47 | 15 – 18 | Preset 03 |
| | 48 – 59 | 19 – 23 | Preset 04 |
| | 60 – 71 | 24 – 28 | Preset 05 |
| | 72 – 83 | 29 – 33 | Preset 06 |
| | 84 – 95 | 34 – 37 | Preset 07 |
| | 96 – 107 | 38 – 42 | Preset 08 |
| | 108 – 119 | 43 – 47 | Preset 09 |
| | 120 – 131 | 48 – 51 | Preset 10 |
| | | | **Factory Presets** |
| | 132 – 143 | 52 – 56 | Preset 01 (2.900 K, 0 +/– GN) |
| | 144 – 155 | 57 – 61 | Preset 02 (3.200 K, 0 +/– GN) |
| | 156 – 167 | 62 – 65 | Preset 03 (5.600 K, 0 +/– GN) |
| | 168 – 179 | 66 – 70 | Preset 04 (6.500 K, 0 +/– GN) |
| | 180 – 191 | 71 – 75 | Preset 05 (120° Hue, 100% Saturation) |
| | 192 – 203 | 76 – 80 | Preset 06 (240° Hue, 100% Saturation) |
| | 204 – 215 | 81 – 84 | Preset 07 (Rosco 3408, 5.600 K Base) |
| | 216 – 227 | 85 – 89 | Preset 08 (Lee 187, 3.200 K Base) |
| | 228 – 239 | 90 – 94 | Preset 09 (Rosco 3152, 3.200 K Base) |
| | 240 – 255 | 95 – 100 | Preset 10 (Lee 162, 3.200 K Base) |

# Extended Color Control

When Extended Color Control is activated via the DMX Settings menu 8 additional channels for 8–bit DMX modes (accordingly 16 channels for 16–bit and coarse / fine DMX modes) are applied to the end of each DMX personality except LE DMX control AFTER the reserved channels.

Extended Color Control – Parameter Allocation

| Parameter | Channel Layout | | |
|---|---|---|---|
| | **8 bit** | **16 bit and Coarse / Fine** | |
| | | **Hi / Coarse** | **Lo / Fine** |
| **Warmer / Cooler** | I + 1 | I + 1 | I + 2 |
| **Saturate / Desaturate** | I + 2 | I + 3 | I + 4 |
| **+ Red / – Red** | I + 3 | I + 5 | I + 6 |
| **+ Green / – Green** | I + 4 | I + 7 | I + 8 |
| **+ Blue / – Blue** | I + 5 | I + 9 | I + 10 |
| **+ Cyan / – Cyan** | I + 6 | I + 11 | I + 12 |
| **+ Magenta / – Magenta** | I + 7 | I + 13 | I + 14 |
| **+ Yellow / – Yellow** | I + 8 | I + 15 | I + 16 |

Extended Color Control – DMX Value Allocation

| Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **any** | 0 – 19 | 0 – 4.883 | 0 – 7 | Neutral |
| | 20 – 127 | 4.884 –32.767 | 8 – 50 | −1.000 → 0.000 (neutral) |
| | 128 – 147 | 32.768 – 37.779 | 51 – 57 | Neutral |
| | 148 – 255 | 37.780 – 65.535 | 58 – 100 | 0.000 (neutral) → +1.000 |

Mode 1: CCT & RGBW, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **2** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **3** | 0 – 10 | 0 – 4 | **Green–Magenta Point** <br> neutral / no effect |
| | 11 – 20 | 5 – 8 | full minus green |
| | 21 – 119 | 9 – 47 | −99% → −1% |
| | 120 – 145 | 48 – 57 | neutral / no effect |
| | 146 – 244 | 58 – 96 | 1% → 99% |
| | 245 – 255 | 97 – 100 | full plus green |
| **4** | 0 – 255 | | **Cross Fade to Color** <br> White → RGBW color |
| **5** | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **6** | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **7** | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **8** | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |
| **9** <br> *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9 | 0 – 3 | **Fan control** <br> Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **10** | 0 – 255 | 0 – 100 | **Preset** <br> See table on |
| **11** | 0 – 19 | 0 – 7 | **Light Strobe** <br> No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s →  25 flashes / s |
| **12** | | | **Reserved for future use** |

Mode 2: CCT, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | | | **Dimmer** |
| | 0 – 255 | 0 – 100 | closed → open |
| **2** | | | **Color temperature CCT** |
| | 0 – 255 | 0 – 100 | 2.800 K → 10.000 K |
| **3** | | | **Green–Magenta Point** |
| | 0 – 10 | 0 – 4 | neutral / no effect |
| | 11 – 20 | 5 – 8 | full minus green |
| | 21 – 119 | 9 – 47 | –99% → –1% |
| | 120 – 145 | 48 – 57 | neutral / no effect |
| | 146 – 244 | 58 – 96 | 1% → 99% |
| | 245 – 255 | 97 – 100 | full plus green |
| **4**<br><br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | | **Fan control** |
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **5** | | | **Preset** |
| | 0 – 255 | 0 – 100 | See table on |
| **6** | | | **Light Strobe** |
| | 0 – 19 | 0 – 7 | No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s →  25 flashes / s |
| **7** | | | **Reserved for future use** |

Mode 3: CCT & H S I, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **2** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **3** | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4 <br> 5 – 8 <br> 9 – 47 <br> 48 – 57 <br> 58 – 96 <br> 97 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **4** | 0 – 255 | 0 – 100 | **Cross Fade to Color** <br> White → RGBW color |
| **5** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **6** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |
| **7** <br> *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9 <br> 10 – 57 <br> 58 – 105 <br> 106 – 153 <br> 154 – 201 <br> 202 – 249 <br> 251 – 255 | 0 – 3 <br> 4 – 22 <br> 23 – 41 <br> 42 – 60 <br> 61 – 78 <br> 79 – 97 <br> 99 – 100 | **Fan control** <br> Use Fan Mode Setting of Fixture Menu <br> Quite, Fan speed fixed <br> Variable, Fan speed variable <br> High Temp, Fan speed fixed <br> Normal (*S360 only, no function on other models*) <br> Fan at Full Speed <br> Fan Off |
| **8** | 0 – 255 | 0 – 100 | **Preset** <br> See table on page 8 |
| **9** | 0 – 19 <br> 20 – 255 | 0 – 7 <br> 8 – 100 | **Light Strobe** <br> No effect <br> 1 flash / s →  25 flashes / s |
| **10** | | | **Reserved for future use** |

Mode 4: RGBW, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| 1 | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| 2 | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| 3 | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| 4 | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| 5 | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |
| 6 <br> *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9 <br> 10 – 57 <br> 58 – 105 <br> 106 – 153 <br> 154 – 201 <br> 202 – 249 <br> 251 – 255 | 0 – 3 <br> 4 – 22 <br> 23 – 41 <br> 42 – 60 <br> 61 – 78 <br> 79 – 97 <br> 99 – 100 | **Fan control** <br> Use Fan Mode Setting of Fixture Menu <br> Quite, Fan speed fixed <br> Variable, Fan speed variable <br> High Temp, Fan speed fixed <br> Normal (*S360 only, no function on other models*) <br> Fan at Full Speed <br> Fan Off |
| 7 | 0 – 255 | 0 – 100 | **Preset** <br> See table on |
| 8 | 0 – 19 <br> 20 – 255 | 0 – 7 <br> 8 – 100 | **Light Strobe** <br> No effect <br> 1 flash / s → 25 flashes / s |
| 9 | | | **Reserved for future use** |

Mode 5: H S I, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **2** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **3** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |
| **4** <br> *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9 <br> 10 – 57 <br> 58 – 105 <br> 106 – 153 <br> 154 – 201 <br> 202 – 249 <br> 251 – 255 | 0 – 3 <br> 4 – 22 <br> 23 – 41 <br> 42 – 60 <br> 61 – 78 <br> 79 – 97 <br> 99 – 100 | **Fan control** <br> Use Fan Mode Setting of Fixture Menu <br> Quite, Fan speed fixed <br> Variable, Fan speed variable <br> High Temp, Fan speed fixed <br> Normal (*S360 only, no function on other models*) <br> Fan at Full Speed <br> Fan Off |
| **5** | 0 – 255 | 0 – 100 | **Preset** <br> See table on page 8 |
| **6** | 0 – 19 <br> 20 – 255 | 0 – 7 <br> 8 – 100 | **Light Strobe** <br> No effect <br> 1 flash / s →  25 flashes / s |
| **7** | | | **Reserved for future use** |

Mode 6: CCT & RGBW, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| **HI** | **LO** | | | |
| **1** | **2** | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| **3** | **4** | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| **5** | **6** | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>−99% → −1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **7** | **8** | 0 – 65.535 | 0 – 100 | **Xfade to color**<br>White → RGBW color |
| **9** | **10** | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% |
| **11** | **12** | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% |
| **13** | **14** | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| **15** | **16** | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% |
| **17**<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| **18** | | 0 – 255 | 0 – 100 | **Preset**<br>See table on <span style="color:blue">page 8</span> |
| **19** | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| **20** | | | | **Reserved for future use** |

Mode 7: CCT, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 3 | 4 | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 5 | 6 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 7<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| 8 | | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| 9 | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| 10 | | | | **Reserved for future use** |

Mode 8: CCT & H S I, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 3 | 4 | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 5 | 6 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 7 | 8 | 0 – 65.535 | 0 – 100 | **Xfade to color**<br>White → RGBW color |
| 9 | 10 | 0 – 65.535 | 0 – 100 | **Hue**<br>0° → 360° |
| 11 | 12 | 0 – 65.535 | 0 – 100 | **Saturation**<br>White → full saturated |
| 13<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| 14 | | 0 – 255 | 0 – 100 | **Preset**<br>See table on |
| 15 | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| 16 | | | | **Reserved for future use** |

Mode 9: RGBW, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 3 | 4 | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% |
| 5 | 6 | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% |
| 7 | 8 | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| 9 | 10 | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% |
| 11<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| 12 | | 0 – 255 | 0 – 100 | **Preset**<br>See table on |
| 13 | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| 14 | | | | **Reserved for future use** |

Mode 10: H S I, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 3 | 4 | 0 – 65.535 | 0 – 100 | **Hue**<br>0° → 360° |
| 5 | 6 | 0 – 65.535 | 0 – 100 | **Saturation**<br>White → full saturated |
| 7<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| 8 | | 0 – 255 | 0 – 100 | **Preset**<br>See table on |
| 9 | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| 10 | | | | **Reserved for future use** |

Mode 11: CCT & RGBW, Coarse/fine per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| 1 | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| 2 | 0 – 255 | 0 – 100 | **Dimmer fine** |
| 3 | 0 – 255 | 0 – 100 | **Color temperature CCT coarse**<br>2.800 K → 10.000 K |
| 4 | 0 – 255 | 0 – 100 | **Color temperature CCT fine** |
| 5 | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4<br>5 – 8<br>9 – 47<br>48 – 57<br>58 – 96<br>97 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 6 | 0 – 255 | 0 – 100 | **Xfade to color**<br>White → RGBW color |
| 7 | 0 – 255 | 0 – 100 | **Intensity red coarse**<br>0% → 100% |
| 8 | 0 – 255 | 0 – 100 | **Red fine** |
| 9 | 0 – 255 | 0 – 100 | **Intensity green coarse**<br>0% → 100% |
| 10 | 0 – 255 | 0 – 100 | **Green fine** |
| 11 | 0 – 255 | 0 – 100 | **Intensity blue coarse**<br>0% → 100% |
| 12 | 0 – 255 | 0 – 100 | **Blue fine** |
| 13 | 0 – 255 | 0 – 100 | **Intensity white coarse**<br>0% → 100% |
| 14 | 0 – 255 | 0 – 100 | **White fine** |
| 15<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| 16 | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| 17 | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| 18 | | | **Reserved for future use** |

Mode 12: CCT, Coarse / fine channel per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | | | **Dimmer** |
| | 0 – 255 | 0 – 100 | closed → open |
| **2** | 0 – 255 | 0 – 100 | **Dimmer fine** |
| **3** | | | **Color temperature CCT coarse** |
| | 0 – 255 | 0 – 100 | 2.800 K → 10.000 K |
| **4** | 0 – 255 | 0 – 100 | **Color temperature CCT fine** |
| **5** | | | **Green–Magenta Point** |
| | 0 – 10 | 0 – 4 | neutral / no effect |
| | 11 – 20 | 5 – 8 | full minus green |
| | 21 – 119 | 9 – 47 | –99% → –1% |
| | 120 – 145 | 48 – 57 | neutral / no effect |
| | 146 – 244 | 58 – 96 | 1% → 99% |
| | 245 – 255 | 97 – 100 | full plus green |
| **6**<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | | **Fan control** |
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **7** | | | **Preset** |
| | 0 – 255 | 0 – 100 | See table on |
| **8** | | | **Light Strobe** |
| | 0 – 19 | 0 – 7 | No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s → 25 flashes / s |
| **9** | | | **Reserved for future use** |

Mode 13: CCT & H S I, Coarse / fine channel per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | | | **Dimmer** |
| | 0 – 255 | 0 – 100 | closed → open |
| **2** | 0 – 255 | 0 – 100 | **Dimmer fine** |
| **3** | | | **Color temperature CCT coarse** |
| | 0 – 255 | 0 – 100 | 2.800 K → 10.000 K |
| **4** | 0 – 255 | 0 – 100 | **Color temperature CCT fine** |
| **5** | | | **Green–Magenta Point** |
| | 0 – 10 | 0 – 4 | neutral / no effect |
| | 11 – 20 | 5 – 8 | full minus green |
| | 21 – 119 | 9 – 47 | −99% → −1% |
| | 120 – 145 | 48 – 57 | neutral / no effect |
| | 146 – 244 | 58 – 96 | 1% → 99% |
| | 245 – 255 | 97 – 100 | full plus green |
| **6** | | | **Xfade to color** |
| | 0 – 255 | 0 – 100 | White → RGBW color |
| **7** | | | **Hue coarse** |
| | 0 – 255 | 0 – 100 | 0° → 360° |
| **8** | 0 – 255 | 0 – 100 | **Hue fine** |
| **9** | | | **Saturation coarse** |
| | 0 – 255 | 0 – 100 | 0 → full saturated |
| **10** | 0 – 255 | 0 – 100 | **Saturation fine** |
| **11** _Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost._ | | | **Fan control** |
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (_S360 only, no function on other models_) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **12** | | | **Preset** |
| | 0 – 255 | 0 – 100 | See table on page 8 |
| **13** | | | **Light Strobe** |
| | 0 – 19 | 0 – 7 | No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s →  25 flashes / s |
| **14** | | | **Reserved for future use** |

Mode 14: RGBW, Coarse / fine channel per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| **2** | 0 – 255 | 0 – 100 | **Dimmer fine** |
| **3** | 0 – 255 | 0 – 100 | **Intensity red coarse**<br>0% → 100% |
| **4** | 0 – 255 | 0 – 100 | **Red fine** |
| **5** | 0 – 255 | 0 – 100 | **Intensity green coarse**<br>0% → 100% |
| **6** | 0 – 255 | 0 – 100 | **Green fine** |
| **7** | 0 – 255 | 0 – 100 | **Intensity blue coarse**<br>0% → 100% |
| **8** | 0 – 255 | 0 – 100 | **Blue fine** |
| **9** | 0 – 255 | 0 – 100 | **Intensity white coarse**<br>0% → 100% |
| **10** | 0 – 255 | 0 – 100 | **White fine** |
| **11**<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| **12** | 0 – 255 | 0 – 100 | **Preset**<br>See table on [page 8](page 8) |
| **13** | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| **14** | | | **Reserved for future use** |

Mode 15: H S I, Coarse / fine channel per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| **2** | 0 – 255 | 0 – 100 | **Dimmer fine** |
| **3** | 0 – 255 | 0 – 100 | **Hue coarse**<br>0° → 360° |
| **4** | 0 – 255 | 0 – 100 | **Hue fine** |
| **5** | 0 – 255 | 0 – 100 | **Saturation coarse**<br>0 → full saturated |
| **6** | 0 – 255 | 0 – 100 | **Saturation fine** |
| **7**<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| **8** | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| **9** | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s →  25 flashes / s |
| **10** | | | **Reserved for future use** |

Mode 16: GEL, 8 bit resolution per function, base channels

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | | | **Master Intensity** |
| | 0 – 255 | 0 – 100 | 0 % (closed) → 100% (open) |
| **2** | | | **Gel 1, CCT Selection** |
| | 0 – 127 | 0 – 50 | 3.200 K |
| | 128 – 255 | 51 – 100 | 5.600 K |
| **3** | | | **Gel 1, Color Matching Selection** |
| | 0 – 84 | 0 – 33 | Best Color<br>*Note: Color quality optimized* |
| | 85 – 170 | 34 – 66 | Brightest<br>*Note: Color brightness optimized* |
| | 171 – 255 | 67 – 100 | No Color Gel |
| **4** | | | **Gel 1, Brand**<br>*Choose category on ch. 5, gel on ch. 6* |
| | 0 – 127 | 0 – 50 | Rosco |
| | 128 – 255 | 51 – 100 | LEE filters |
| **5** | | | **Gel 1, Category (Brand Dependent)**<br>*Choose Gel manufacturer on channel 4* |
| | 0 – 50 | 0 – 20 | Category 1<br>*Rosco: Color correction*<br>*LEE: Color correction* |
| | 51 – 101 | 21 – 39 | Category 2<br>*Rosco: CalColor*<br>*LEE:Color Filters* |
| | 102 – 152 | 40 – 60 | Category 3<br>*Rosco: Storaro Selection*<br>*LEE: 600 Series* |
| | 153 – 203 | 61 – 80 | Category 4<br>*Rosco: Cinelux*<br>*LEE: Cosmetic Filters* |
| | 204 – 255 | 81 – 100 | Category 5<br>*LEE: 700 Series* |
| **6** | | | **Gel 1** |
| | 0 – 255 | 0 – 100 | Please see tables below |
| **7** | | | **Cross Fade to gel** |
| | 0 – 255 | 0 – 100 | Gel 1 → Gel 2 |
| **8** | | | **Gel 2, CCT Selection** |
| | 0 – 127 | 0 – 50 | 3.200 K |
| | 128 – 255 | 51 – 100 | 5.600 K |
| **9** | | | **Gel 2, Color Matching Selection** |
| | 0 – 84 | 0 – 33 | Best Color<br>*Note: Color quality optimized* |
| | 85 – 170 | 34 – 667 | Brightest<br>*Note: Color brightness optimized* |
| | 171 – 255 | 67 – 100 | No Color Gel |

| | | | |
|---|---|---|---|
| **10** | | | **Gel 2, Brand** |
| | | | *Choose category on ch. 11 gel on ch. 12* |
| | 0 – 127 | 0 – 50 | Rosco |
| | 128 – 255 | 51 – 100 | LEE filters |
| **11** | | | **Gel 2, Category (Brand Dependent)** |
| | | | *Choose Gel manufacturer on channel 10* |
| | 0 – 50 | 0 – 20 | Category 1 |
| | | | *Rosco: Color correction* |
| | | | *LEE: Color correction* |
| | 51 – 101 | 21 – 39 | Category 2 |
| | | | *Rosco: CalColor* |
| | | | *LEE:Color Filters* |
| | 102 – 152 | 40 – 60 | Category 3 |
| | | | *Rosco: Storaro Selection* |
| | | | *LEE: 600 Series* |
| | 153 – 203 | 61 – 80 | Category 4 |
| | | | *Rosco: Cinelux* |
| | | | *LEE: Cosmetic Filters* |
| | 204 – 255 | 81 – 100 | Category 5 |
| | | | *LEE: 700 Series* |
| **12** | | | **Gel 2** |
| | 0 – 255 | 0 – 100 | Please see tables below |
| **13** | | | **Gel Transition Type** |
| | 0 – 51 | 0 – 20 | Direct |
| | 52 – 102 | 21 – 40 | Through White Point |
| | 103 – 153 | 41 – 60 | Through Black Point |
| | 154 – 204 | 61 – 79 | Over White Point |
| | 205 – 255 | 80 – 100 | Under White point |
| **14** | | | **Fan control** |
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **15** | | | **Preset** |
| | 0 – 255 | 0 – 100 | See table on page 8 |
| **16** | | | **Light Strobe** |
| | 0 – 19 | 0 – 7 | No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s → 25 flashes / s |
| **17** | | | **Reserved for future use** |

Mode 17: GEL, 16 bit resolution per function, base channels

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 3 | | 0 – 127<br>128 – 255 | 0 – 50<br>51 – 100 | **Gel 1, CCT Selection**<br>3.200 K<br>5.600 K |
| 4 | | 0 – 84<br><br>85 – 170<br><br>171 – 255 | 0 – 33<br><br>34 – 67<br><br>68 – 100 | **Gel 1, Color Matching Selection**<br>Best Color<br>*Note: Color quality optimized*<br>Brightest<br>*Note: Color brightness optimized*<br>No Color Gel |
| 5 | | 0 – 127<br>128 – 255 | 0 – 50<br>51 – 100 | **Gel 1, Brand**<br>*Choose category on ch. 5, gel on ch. 6*<br>Rosco<br>LEE filters |
| 6 | | 0 – 50<br><br><br>51 – 101<br><br><br>102 – 152<br><br><br>153 – 203<br><br><br>204 – 255 | 0 – 20<br><br><br>21 – 39<br><br><br>40 – 60<br><br><br>61 – 80<br><br><br>81 – 100 | **Gel 1, Category (Brand Dependent)**<br>*Choose Gel manufacturer on channel 4*<br>Category 1<br>*Rosco: Color correction*<br>*LEE: Color correction*<br>Category 2<br>*Rosco: CalColor*<br>*LEE:Color Filters*<br>Category 3<br>*Rosco: Storaro Selection*<br>*LEE: 600 Series*<br>Category 4<br>*Rosco: Cinelux*<br>*LEE: Cosmetic Filters*<br>Category 5<br>*LEE: 700 Series* |
| 7 | | 0 – 255 | 0 – 100 | **Gel 1**<br>Please see tables below |
| 8 | 9 | 0 – 65.535 | 0 – 100 | **Cross Fade to gel**<br>Gel 1 → Gel 2 |
| 10 | | 0 – 127<br>128 – 255 | 0 – 50<br>51 – 100 | **Gel 2, CCT Selection**<br>3.200 K<br>5.600 K |

| | | | |
|---|---|---|---|
| **11** | 0 – 84 | 0 – 33 | **Gel 2, Color Matching Selection**<br>Best Color<br>*Note: Color quality optimized* |
| | 85 – 170 | 34 – 67 | Brightest<br>*Note: Color brightness optimized* |
| | 171 – 255 | 68 – 100 | No Color Gel |
| **12** | | | **Gel 2, Brand**<br>*Choose category on ch. 11 gel on ch. 12* |
| | 0 – 127 | 0 – 50 | Rosco |
| | 128 – 255 | 51 – 100 | LEE filters |
| **13** | | | **Gel 2, Category (Brand Dependent)**<br>*Choose Gel manufacturer on channel 10* |
| | 0 – 50 | 0 – 20 | Category 1<br>*Rosco: Color correction*<br>*LEE: Color correction* |
| | 51 – 101 | 21 – 39 | Category 2<br>*Rosco: CalColor*<br>*LEE:Color Filters* |
| | 102 – 152 | 40 – 60 | Category 3<br>*Rosco: Storaro Selection*<br>*LEE: 600 Series* |
| | 153 – 203 | 61 – 80 | Category 4<br>*Rosco: Cinelux*<br>*LEE: Cosmetic Filters* |
| | 204 – 255 | 81 – 100 | Category 5<br>*LEE: 700 Series* |
| **14** | 0 – 255 | 0 – 100 | **Gel 2**<br>Please see tables below |
| **15** | 0 – 51 | 0 – 20 | **Gel Transition Type**<br>Direct |
| | 52 – 102 | 21 – 40 | Through White Point |
| | 103 – 153 | 41 – 60 | Through Black Point |
| | 154 – 204 | 61 – 79 | Over White Point |
| | 205 – 255 | 80 – 100 | Under White point |
| **16**<br><br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9 | 0 – 3 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **17** | 0 – 255 | 0 – 100 | **Preset**<br>See table on |
| **18** | 0 – 19 | 0 – 7 | **Light Strobe**<br>No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s → 25 flashes / s |
| **19** | | | **Reserved for future use** |

Modes 16 and 17: GEL, 8 bit or 16 bit resolution per function, GEL selection channel

*Category 1, Rosco, Color correction*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| | 0 – 1 | Full CTB | 3202 |
| | 2 – 3 | 3/4 CTB | 3203 |
| | 4 – 5 | 1/2 CTB | 3204 |
| | 6 – 7 | 1/3 CTB | 3206 |
| | 8 – 9 | 1/4 CTB | 3208 |
| | 10 – 11 | 1/8 CTB | 3216 |
| | 12 – 13 | Double CTB | 3220 |
| | 14 – 15 | Full CTO | 3407 |
| | 16 – 17 | 3/4 CTO | 3411 |
| | 18 – 19 | 1/2 CTO | 3408 |
| | 20 – 21 | 1/4 CTO | 3409 |
| | 22 – 23 | 1/8 CTO | 3410 |
| | 24 – 25 | Double CTO | 3420 |
| | 26 – 27 | Full CTS | 3441 |
| **8 bit:** | 28 – 29 | 1/2 CTS | 3442 |
| Gel 1: 6 | 30 – 31 | 1/4 CTS | 3443 |
| Gel 2: 12 | 32 – 33 | 1/8 CTS | 3444 |
| | 34 – 35 | Full Plusgreen | 3304 |
| **16 bit:** | 36 – 37 | 1/2 Plusgreen | 3315 |
| Gel 1: 6 | 38 – 39 | 1/4 Plusgreen | 3316 |
| Gel 2: 14 | 40 – 41 | 1/8 Plusgreen | 3317 |
| | 42 – 43 | Full Minusgreen | 3308 |
| | 44 – 45 | 3/4 Minusgreen | 3309 |
| | 46 – 47 | 1/2 Minusgreen | 3313 |
| | 48 – 49 | 1/4 Minusgreen | 3314 |
| | 50 – 51 | 1/8 Minusgreen | 3318 |
| | 52 – 53 | Fluorofilter | 3310 |
| | 54 – 55 | Industrial Vapor | 3150 |
| | 56 – 57 | Urban Vapor | 3152 |
| | 58 – 59 | Tough Y–1 | 3107 |
| | 60 – 61 | Tough MT 54 | 3134 |
| | 62 – 63 | Tough MTY | 3106 |
| | 64 – 65 | Tough MT2 | 3102 |
| | 66 – 255 | | **Reserved for future use** |

*Category 2, Rosco, CalColor*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| | 0 – 1 | 15 Blue | 4215 |
| | 2 – 3 | 30 Blue | 4230 |
| | 4 – 5 | 60 Blue | 4260 |
| | 6 – 7 | 90 Blue | 4290 |
| | 8 – 9 | 7 Cyan | 4307 |
| | 10 – 11 | 15 Cyan | 4315 |
| | 12 – 13 | 30 Cyan | 4330 |
| | 14 – 15 | 60 Cyan | 4360 |
| | 16 – 17 | 90 Cyan | 4390 |
| | 18 – 19 | 15 Green | 4415 |
| | 20 – 21 | 30 Green | 4430 |
| | 22 – 23 | 60 Green | 4460 |
| | 24 – 25 | 90 Green | 4490 |
| | 26 – 27 | 15 Yellow | 4515 |
| **8 bit:** | 28 – 29 | 30 Yellow | 4530 |
| Gel 1: 6 | 30 – 31 | 60 Yellow | 4560 |
| Gel 2: 12 | 32 – 33 | 90 Yellow | 4590 |
| | 34 – 35 | 15 Red | 4615 |
| **16 bit:** | 36 – 37 | 30 Red | 4630 |
| Gel 1: 6 | 38 – 39 | 60 Red | 4660 |
| Gel 2: 14 | 40 – 41 | 90 Red | 4690 |
| | 42 – 43 | 15 Magenta | 4715 |
| | 44 – 45 | 30 Magenta | 4730 |
| | 46 – 47 | 60 Magenta | 4760 |
| | 48 – 49 | 90 Magenta | 4790 |
| | 50 – 51 | 15 Pink | 4815 |
| | 52 – 53 | 30 Pink | 4830 |
| | 54 – 55 | 60 Pink | 4860 |
| | 56 – 57 | 90 Pink | 4890 |
| | 58 – 59 | 15 Lavender | 4915 |
| | 60 – 61 | 30 Lavender | 4930 |
| | 62 – 63 | 60 Lavender | 4960 |
| | 64 – 65 | 90 Lavender | 4990 |
| | 66 – 255 | | **Reserved for future use** |

*Category 3, Rosco, Storaro Selection*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| **8 bit:**<br>Gel 1: 6<br>Gel 2: 12<br><br>**16 bit:**<br>Gel 1: 6<br>Gel 2: 14 | 0 – 1 | VS Red | 2001 |
| | 2 – 3 | VS Orange | 2202 |
| | 4 – 5 | VS Yellow | 2003 |
| | 6 – 7 | VS Green | 2004 |
| | 8 – 9 | VS Cyan | 2005 |
| | 10 – 11 | VS Azure | 2006 |
| | 12 – 13 | VS Blue | 2007 |
| | 14 – 15 | VS Indigo | 2008 |
| | 16 – 17 | VS Violet | 2009 |
| | 18 – 19 | VS Magenta | 2010 |
| | 20 – 255 | | **Reserved for future use** |

*Category 4, Rosco, Cinelux*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| **8 bit:**<br>Gel 1: 6<br>Gel 2: 12<br><br>**16 bit:**<br>Gel 1: 6<br>Gel 2: 14 | 0 – 1 | Bastard Amber | 2 |
| | 2 – 3 | Pale Bastard Amber | 302 |
| | 4 – 5 | No Color Straw | 6 |
| | 6 – 7 | Pale Gold | 8 |
| | 8 – 9 | Daffodil | 310 |
| | 10 – 11 | Straw | 12 |
| | 12 – 13 | Light Amber | 16 |
| | 14 – 15 | Gallo Gold | 316 |
| | 16 – 17 | Light Flame | 17 |
| | 18 – 19 | Flame | 18 |
| | 20 – 21 | Mayan Sun | 318 |
| | 22 – 23 | Golden Amber | 21 |
| | 24 – 25 | Soft Golden Amber | 321 |
| | 26 – 27 | Orange | 23 |
| | 28 – 29 | Henna Sky | 325 |
| | 30 – 31 | Light Red | 26 |
| | 32 – 33 | No Color Pink | 33 |
| | 34 – 35 | Blush Pink | 333 |
| | 36 – 37 | Flesh Pink | 34 |
| | 38 – 39 | Pale Rose Pink | 37 |
| | 40 – 41 | Salmon | 41 |
| | 42 – 43 | Deep Salmon | 42 |
| | 44 – 45 | Middle Rose | 44 |
| | 46 – 47 | Light Rose Purple | 47 |
| | 48 – 49 | Surprise Pink | 51 |
| | 50 – 51 | No Color Blue | 60 |

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| | 52 – 53 | Clearwater | 360 |
| | 54 – 55 | Booster Blue | 62 |
| | 56 – 57 | Tipton Blue | 362 |
| | 58 – 59 | Blue Bell | 364 |
| | 60 – 61 | Daylight Blue | 65 |
| | 62 – 63 | Tharon Delft Blue | 365 |
| | 64 – 65 | Cerulean Blue | 375 |
| **8 bit:** | 66 – 67 | Bermuda Blue | 376 |
| Gel 1: 6 | 68 – 69 | Green Blue | 77 |
| Gel 2: 12 | 70 – 71 | Alice Blue | 378 |
| | 72 – 73 | Primary Blue | 80 |
| **16 bit:** | 74 – 75 | Baldassari Blue | 381 |
| Gel 1: 6 | 76 – 77 | Medium Blue | 83 |
| Gel 2: 14 | 78 – 79 | Pale Yellow Green | 87 |
| **cont.** | 80 – 81 | Light Green | 88 |
| | 82 – 83 | Moss Green | 89 |
| | 84 – 85 | Primary Green | 91 |
| | 86 – 87 | Turquoise | 92 |
| | 88 – 89 | Blue Green | 93 |
| | 90 – 91 | Chocolate | 99 |
| | 92 – 255 | | **Reserved for future use** |

*Category 1, LEE, Color correction*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| | 0 – 1 | Double CTB | 200 |
| | 2 – 3 | Full CTB | 201 |
| | 4 – 5 | 3/4 CTB | 281 |
| | 6 – 7 | 1/2 CTB | 202 |
| | 8 – 9 | 1/4 CTB | 203 |
| | 10 – 11 | 1/8 CTB | 218 |
| | 12 – 13 | Double CTO | 287 |
| | 14 – 15 | Full CTO | 204 |
| | 16 – 17 | 3/4 CTO | 285 |
| | 18 – 19 | 1/2 CTO | 205 |
| | 20 – 21 | 1/4 CTO | 206 |
| | 22 – 23 | 1/8 CTO | 223 |
| | 24 – 25 | 1 1/2 CTB | 283 |
| | 26 – 27 | 1 1/2 CTO | 286 |
| | 28 – 29 | Full CTS | 441 |
| | 30 – 31 | 1/2 CTS | 442 |
| | 32 – 33 | 1/4 CTS | 443 |
| **8 bit:** | 34 – 35 | 1/8 CTS | 444 |
| Gel 1: 6 | 36 – 37 | Full CTO + .3 ND | 207 |
| Gel 2: 12 | 38 – 39 | Full CTO + .6 ND | 208 |
| | 40 – 41 | L.C.T. Yellow (Y1) | 212 |
| **16 bit:** | 42 – 43 | White Flame Green | 213 |
| Gel 1: 6 | 44 – 45 | LEE Fluorescent Green | 219 |
| Gel 2: 14 | 46 – 47 | Super Correction L.C.T. Yellow | 230 |
| | 48 – 49 | Super Correction W.F. Green | 232 |
| | 50 – 51 | H.M.I. (to Tungsten) | 236 |
| | 52 – 53 | C.I.D. (to Tungsten) | 237 |
| | 54 – 55 | C.S.I. (to Tungsten) | 238 |
| | 56 – 57 | LEE Fluorescent 5700 Kelvin | 241 |
| | 58 – 59 | LEE Fluorescent 4300 Kelvin | 242 |
| | 60 – 61 | LEE Fluorescent 3600 Kelvin | 243 |
| | 62 – 63 | LEE Plus Green | 244 |
| | 64 – 65 | 1/2 Plus Green | 245 |
| | 66 – 67 | 1/4 Plus Green | 246 |
| | 68 – 69 | 1/8 Plus Green | 278 |
| | 70 – 71 | LEE Minus Green | 247 |
| | 72 – 73 | 1/2 Minus Green | 248 |
| | 74 – 75 | 1/4 Minus Green | 249 |
| | 76 – 77 | 1/8 Minus Green | 279 |
| | 78 – 255 | | **Reserved for future use** |

*Category 2, LEE, Color Filters*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| | 0 – 1 | Rose Pink | 002 |
| | 2 – 3 | Lavender Tint | 003 |
| | 4 – 5 | Medium Bastard Amber | 004 |
| | 6 – 7 | Pale Yellow | 007 |
| | 8 – 9 | Dark Salmon | 008 |
| | 10 – 11 | Pale Amber Gold | 009 |
| | 12 – 13 | Medium Yellow | 010 |
| | 14 – 15 | Straw Tint | 013 |
| | 16 – 17 | Surprise Peach | 017 |
| | 18 – 19 | Fire | 019 |
| | 20 – 21 | Medium Amber | 020 |
| | 22 – 23 | Gold Amber | 021 |
| | 24 – 25 | Dark Amber | 022 |
| | 26 – 27 | Scarlet | 024 |
| | 28 – 29 | Sunset Red | 025 |
| | 30 – 31 | Bright Red | 026 |
| | 32 – 33 | Light Pink | 035 |
| | 34 – 35 | Medium Pink | 036 |
| | 36 – 37 | Dark Magenta | 046 |
| **8 bit:** | 38 – 39 | Rose Purple | 048 |
| Gel 1: 6 | 40 – 41 | Light Lavender | 052 |
| Gel 2: 12 | 42 – 43 | Paler Lavender | 053 |
| | 44 – 45 | Lavender | 058 |
| **16 bit:** | 46 – 47 | Mist Blue | 061 |
| Gel 1: 6 | 48 – 49 | Pale Blue | 063 |
| Gel 2: 14 | 50 – 51 | Sky Blue | 068 |
| | 52 – 53 | Evening Blue | 075 |
| | 54 – 55 | Just Blue | 079 |
| | 56 – 57 | Deeper Blue | 085 |
| | 58 – 59 | Lime Green | 088 |
| | 60 – 61 | Moss Green | 089 |
| | 62 – 63 | Dark Yellow Green | 090 |
| | 64 – 65 | Spring Yellow | 100 |
| | 66 – 67 | Yellow | 101 |
| | 68 – 69 | Light Amber | 102 |
| | 70 – 71 | Straw | 103 |
| | 72 – 73 | Deep Amber | 104 |
| | 74 – 75 | Primary Red | 106 |
| | 76 – 77 | Light Rose | 107 |
| | 78 – 79 | English Rose | 108 |
| | 80 – 81 | Light Salmon | 109 |
| | 82 – 83 | Middle Rose | 110 |
| | 84 – 85 | Dark Pink | 111 |
| | 86 – 87 | Magenta | 113 |

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| | 88 – 89 | Peacock Blue | 115 |
| | 90 – 91 | Steel Blue | 117 |
| | 92 – 93 | Light Blue | 118 |
| | 94 – 95 | Deep Blue | 120 |
| | 96 – 97 | LEE Green | 121 |
| | 98 – 99 | Fern Green | 122 |
| | 100 – 101 | Dark Green | 124 |
| | 102 – 103 | Smokey Pink | 127 |
| | 104 – 105 | Bright Pink | 128 |
| | 106 – 107 | Marine Blue | 131 |
| | 108 – 109 | Golden Amber | 134 |
| | 110 – 111 | Deep Golden Amber | 135 |
| | 112 – 113 | Pale Lavender | 136 |
| | 114 – 115 | Special Lavender | 137 |
| | 116 – 117 | Pale Green | 138 |
| | 118 – 119 | Summer Blue | 140 |
| | 120 – 121 | Pale Violet | 142 |
| | 122 – 123 | Pale Navy Blue | 143 |
| | 124 – 125 | No Color Blue | 144 |
| **8 bit:** | 126 – 127 | Apricot | 147 |
| Gel 1: 6 | 128 – 129 | Bright Rose | 148 |
| Gel 2: 12 | 130 – 131 | Gold Tint | 151 |
| | 132 – 133 | Pale Gold | 152 |
| **16 bit:** | 134 – 135 | Pale Salmon | 153 |
| Gel 1: 6 | 136 – 137 | Pale Rose | 154 |
| Gel 2: 14 | 138 – 139 | Chocolate | 156 |
| **cont.** | 140 – 141 | Pink | 157 |
| | 142 – 143 | No Color Straw | 159 |
| | 144 – 145 | Slate Blue | 161 |
| | 146 – 147 | Bastard Amber | 162 |
| | 148 – 149 | Flame Red | 164 |
| | 150 – 151 | Daylight Blue | 165 |
| | 152 – 153 | Lilac Tint | 169 |
| | 154 – 155 | Deep Lavender | 170 |
| | 156 – 157 | Dark Steel Blue | 174 |
| | 158 – 159 | Loving Amber | 176 |
| | 160 – 161 | Dark Lavender | 180 |
| | 162 – 163 | Light Red | 182 |
| | 164 – 165 | Flesh Pink | 192 |
| | 166 – 167 | Surprise Pink | 194 |
| | 168 – 169 | Zenith Blue | 195 |
| | 170 – 171 | True Blue | 196 |
| | 172 – 173 | Alice Blue | 197 |
| | 174 – 175 | Palace Blue | 198 |
| | 176 – 177 | Regal Blue | 199 |
| | 178 – 255 | | **Reserved for future use** |

*Category 3, LEE, 600 Series*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| **8 bit:** Gel 1: 6 Gel 2: 12  **16 bit:** Gel 1: 6 Gel 2: 14 | 0 – 1 | Arctic White | 600 |
| | 2 – 3 | Silver | 601 |
| | 4 – 5 | Platinum | 602 |
| | 6 – 7 | Moonlight White | 603 |
| | 8 – 9 | Full CT 85 | 604 |
| | 10 – 11 | Industry Sodium | 650 |
| | 12 – 13 | HI Sodium | 651 |
| | 14 – 15 | Urban Sodium | 652 |
| | 16 – 17 | LO Sodium | 653 |
| | 18 – 255 | | **Reserved for future use** |

*Category 4, LEE, Cosmetic Filters*

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| **8 bit:** Gel 1: 6 Gel 2: 12  **16 bit:** Gel 1: 6 Gel 2: 14 | 0 – 1 | Cosmetic Peach | 184 |
| | 2 – 3 | Cosmetic Silver Rose | 186 |
| | 4 – 5 | Cosmetic Rouge | 187 |
| | 6 – 7 | Cosmetic Highlight | 188 |
| | 8 – 9 | Cosmetic Silver Moss | 189 |
| | 10 – 11 | Cosmetic Aqua Blue | 191 |
| | 12 – 13 | Lily Frost | 705 |
| | 14 – 15 | Shanklin Frost | 717 |
| | 16 – 17 | Half Shanklin Frost | 718 |
| | 18 – 19 | Durham Daylight Frost | 720 |
| | 20 – 21 | Hampshire Rose | 749 |
| | 22 – 23 | Durham Frost | 750 |
| | 24 – 25 | Soft Amber Key 1 | 774 |
| | 26 – 27 | Soft Amber Key 2 | 775 |
| | 28 – 29 | Moroccan Frost | 791 |
| | 30 – 31 | Blue Diffusion | 217 |
| | 32 – 33 | Blue Frost | 221 |
| | 34 – 35 | Daylight Blue frost | 224 |
| | 36 – 255 | | **Reserved for future use** |

| DMX Channel | Value | Gel Name | Gel Number |
|---|---|---|---|
| | 0 – 1 | Perfect Lavender | 700 |
| | 2 – 3 | Provence | 701 |
| | 4 – 5 | Special Pale Lavender | 702 |
| | 6 – 7 | Cold Lavender | 703 |
| | 8 – 9 | Lily | 704 |
| | 10 – 11 | King Fals Lavender | 706 |
| | 12 – 13 | Cool Lavender | 708 |
| | 14 – 15 | Electric Lilac | 709 |
| | 16 – 17 | Spir Special Blue | 710 |
| | 18 – 19 | Cold Blue | 711 |
| | 20 – 21 | Bedford Blue | 712 |
| | 22 – 23 | Elysian Blue | 714 |
| | 24 – 25 | Cabana Blue | 715 |
| | 26 – 27 | Mikkel Blue | 716 |
| | 28 – 29 | Colour Wash Blue | 719 |
| | 30 – 31 | Berry Blue | 721 |
| | 32 – 33 | Virgin Blue | 723 |
| | 34 – 35 | Ocean Blue | 724 |
| **8 bit:** | 36 – 37 | Old Steel Blue | 725 |
| Gel 1: 6 | 38 – 39 | Steel Green | 728 |
| Gel 2: 12 | 40 – 41 | Liberty Green | 730 |
| | 42 – 43 | Dirty Ice | 731 |
| **16 bit:** | 44 – 45 | Damp Squib | 733 |
| Gel 1: 6 | 46 – 47 | JAS Green | 738 |
| Gel 2: 14 | 48 – 49 | Bram Brown | 742 |
| | 50 – 51 | Dirty White | 744 |
| | 52 – 53 | Brown | 746 |
| | 54 – 55 | Easy White | 747 |
| | 56 – 57 | Seedy Pink | 748 |
| | 58 – 59 | Wheat | 763 |
| | 60 – 61 | Sun Colour Straw | 764 |
| | 62 – 63 | LEE Yellow | 765 |
| | 64 – 65 | Cardbox Amber | 773 |
| | 66 – 67 | Nectarine | 776 |
| | 68 – 69 | Millenium Gold | 778 |
| | 70 – 71 | Bastard Pink | 779 |
| | 72 – 73 | Terry Red | 781 |
| | 74 – 75 | Blood Red | 789 |
| | 76 – 77 | Moroccan Pink | 790 |
| | 78 – 79 | Pretty n'Pink | 794 |
| | 80 – 81 | Magical Magenta | 795 |
| | 82 – 255 | | **Reserved for future use** |

Mode 18: x,y Coordinates, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Master Intensity** <br> 0 % (closed) → 100% (open) |
| **2** | 0 – 255 | 0 – 100 | **X1 Coordinate** <br> 0.0 – 0.8 |
| **3** | 0 – 255 | 0 – 100 | **Y1 Coordinate** <br> 0.0 – 0,8 |
| **4** | 0 – 255 | 0 – 100 | **Cross Fade** <br> X1, Y1 → X2, Y2 |
| **5** | 0 – 255 | 0 – 100 | **X2 Coordinate** <br> 0.0 – 0.8 |
| **6** | 0 – 255 | 0 – 100 | **Y2 Coordinate** <br> 0.0 – 0,8 |
| **7** | 0 – 51 <br> 52 – 102 <br> 103 – 153 <br> 154 – 204 <br> 205 – 255 | 0 – 20 <br> 21 – 40 <br> 41 – 60 <br> 61 – 79 <br> 80 – 100 | **Transition Type** <br> Direct <br> Through White Point <br> Through Black Point <br> Over White Point <br> Under White point |
| **8** <br> *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9 <br> 10 – 57 <br> 58 – 105 <br> 106 – 153 <br> 154 – 201 <br> 202 – 249 <br> 251 – 255 | 0 – 3 <br> 4 – 22 <br> 23 – 41 <br> 42 – 60 <br> 61 – 78 <br> 79 – 97 <br> 99 – 100 | **Fan control** <br> Use Fan Mode Setting of Fixture Menu <br> Quite, Fan speed fixed <br> Variable, Fan speed variable <br> High Temp, Fan speed fixed <br> Normal (*S360 only, no function on other models*) <br> Fan at Full Speed <br> Fan Off |
| **9** | 0 – 255 | 0 – 100 | **Preset** <br> See table on page 8 |
| **109** | 0 – 19 <br> 20 – 255 | 0 – 7 <br> 8 – 100 | **Light Strobe** <br> No effect <br> 1 flash / s → 25 flashes / s |
| **11** | | | **Reserved for future use** |

Mode 19: x,y Coordinates 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 3 | 4 | 0 – 65.535 | 0 – 100 | **X1 Coordinate**<br>0.0 – 0.8 |
| 5 | 6 | 0 – 65.535 | 0 – 100 | **Y1 Coordinate**<br>0.0 – 0.8 |
| 7 | 8 | 0 – 65.535 | 0 – 100 | **Cross Fade**<br>X1, Y1 → X2, Y2 |
| 9 | 10 | 0 – 65.535 | 0 – 100 | **X2 Coordinate**<br>0.0 – 0.8 |
| 11 | 12 | 0 – 65.535 | 0 – 100 | **Y2 Coordinate**<br>0.0 – 0.8 |
| 13 | | 0 – 51<br>52 – 102<br>103 – 153<br>154 – 204<br>205 – 255 | 0 – 20<br>21 – 40<br>41 – 60<br>61 – 79<br>80 – 100 | **Transition Type**<br>Direct<br>Through White Point<br>Through Black Point<br>Over White Point<br>Under White point |
| 14<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| 15 | | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| 16 | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s → 25 flashes / s |
| 17 | | | | **Reserved for future use** |

Mode 20: Source Matching, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | 0 – 255 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **2** | | | **Category 1** |
| | 0 – 50 | 0 – 20 | Incandescent |
| | 51 – 101 | 21 – 39 | Fluorescent |
| | 102 – 152 | 40 – 59 | Discharge |
| | 153 – 203 | 60 – 79 | Other |
| | 204 – 255 | 80 – 100 | Reserved for future use |
| **3** | 0 – 255 | 0 – 100 | **Source 1**<br>Please see table below |
| **4** | 0 – 255 | 0 – 100 | **Cross Fade**<br>Cat 1, Source 1 → Cat 2, Source 2 |
| **5** | | | **Category 2** |
| | 0 – 50 | 0 – 20 | Incandescent |
| | 51 – 101 | 21 – 39 | Fluorescent |
| | 102 – 152 | 40 – 59 | Discharge |
| | 153 – 203 | 60 – 79 | Other |
| | 204 – 255 | 80 – 100 | Reserved for future use |
| **6** | 0 – 255 | 0 – 100 | **Source 2**<br>Please see table below |
| **7**<br><br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | | **Fan control** |
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **8** | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| **9** | 0 – 19 | 0 – 7 | **Light Strobe**<br>No effect |
| | 20 – 255 | 8 – 100 | 1 flash / s → 25 flashes / s |
| **10** | | | **Reserved for future use** |

Mode 21: Source Matching, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 3 | | 0 – 50<br>51 – 101<br>102 – 152<br>153 – 203<br>204 – 255 | 0 – 20<br>21 – 39<br>40 – 59<br>60 – 79<br>80 – 100 | **Category 1**<br>Incandescent<br>Fluorescent<br>Discharge<br>Other<br>Reserved for future use |
| 4 | | 0 – 255 | 0 – 100 | **Source 1**<br>Please see table below |
| 5 | 6 | 0 – 65.535 | 0 – 100 | **Cross Fade**<br>Cat 1, Source 1 → Cat 2, Source 2 |
| 7 | | 0 – 50<br>51 – 101<br>102 – 152<br>153 – 203<br>204 – 255 | 0 – 20<br>21 – 39<br>40 – 59<br>60 – 79<br>80 – 100 | **Category 2**<br>Incandescent<br>Fluorescent<br>Discharge<br>Other<br>Reserved for future use |
| 8 | | 0 – 255 | 0 – 100 | **Source 2**<br>Please see table below |
| 9<br><br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| 10 | | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| 11 | | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s → 25 flashes / s |
| 12 | | | | **Reserved for future use** |

| Category | Value | Name |
|---|---|---|
| **Incandescent** | 0 – 2 | Tungsten Bulb |
| | 3 – 5 | Incandescent |
| | 6 – 8 | Halogen |
| | 9 – 11 | Antique Bulb |
| | 12 – 14 | Warm Antique Bulb |
| | 15 – 17 | Christmas Lights |
| | 18 – 20 | Night Light |
| | 21 – 23 | Infrared Heat Lamp |
| | 24 – 26 | Grow light |
| | 27 – 255 | Reserved for future use |
| **Flourescent** | 0 – 2 | CFL Soft White |
| | 3 – 5 | CFL Bright White |
| | 6 – 8 | CFL Cool White |
| | 9 – 11 | CFL Daylight |
| | 12 – 14 | Cool White 1 |
| | 15 – 17 | Cool White 2 |
| | 18 – 20 | Cool White 3 |
| | 21 – 23 | Warm White |
| | 24 – 26 | CFL Blacklight |
| | 27 – 255 | Reserved for future use |
| **Discharge** | 0 – 2 | HMI |
| | 3 – 5 | High Pressure Sodium |
| | 6 – 8 | Low Pressure Sodium |
| | 9 – 11 | Mercury Vapor |
| | 12 – 14 | Metal Halide |
| | 15 – 17 | Ceramic |
| | 18 – 20 | Carbon Arc |
| | 21 – 23 | Xenon |
| | 24 – 255 | Reserved for future use |

| Category | Value | Name |
|---|---|---|
| **Other** | 0 – 2 | Candle |
| | 3 – 5 | Gas Fire |
| | 6 – 8 | Sun Direct |
| | 9 – 11 | Sun Overcast |
| | 12 – 14 | Sun Blue Hour |
| | 15 – 17 | Mobile Phone |
| | 18 – 20 | Computer Monitor |
| | 21 – 23 | Electroluminescence |
| | 24 – 26 | Blow Torch |
| | 27 – 29 | Road Flare |
| | 30 – 32 | Amber Caution |
| | 33 – 35 | Green Traffic Light |
| | 36 – 38 | Yellow Traffic Light |
| | 39 – 41 | Red Traffic Light |
| | 42 – 44 | Blue Glow Stick |
| | 45 – 47 | Green Glow Stick |
| | 48 – 50 | Red Glow Stick |
| | 51 – 53 | Yellow Glow Stick |
| | 54 – 56 | Pink Glow Stick |
| | 57 – 59 | Violet Glow Stick |
| | 60 – 255 | Reserved for future use |

Mode 22: Effects, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | | | **Master Intensity** |
| | 0 – 255 | 0 – 100 | 0 % (closed) → 100% (open) |
| **2** | | | **Effect Selection** |
| | 0 – 9 | 0 – 4 | No Effect |
| | 10 – 19 | 5 – 7 | Party Effect |
| | 20 – 29 | 8 – 11 | Candle |
| | 30 – 39 | 12 – 15 | Clouds Passing |
| | 40 – 49 | 16 – 19 | Club Lights |
| | 50 – 59 | 20 – 23 | Color Chase |
| | 60 – 69 | 24 – 27 | Cop Car |
| | 70 – 79 | 28 – 31 | Fire |
| | 80 – 89 | 32 – 35 | Fireworks |
| | 90 – 99 | 36 – 39 | Light Strobe |
| | 100 – 109 | 40 – 43 | Lightning |
| | 110 – 119 | 44 – 47 | Paparazzi |
| | 120 – 129 | 48 – 51 | Pulsing |
| | 130 – 139 | 52 – 55 | Television |
| | 140 – 149 | 56 – 58 | Explosion |
| | 150 – 159 | 59 – 62 | Fluorescent Flicker |
| | 160 – 169 | 63 – 66 | Process Effect |
| | 170 – 179 | 67 – 70 | Welding |
| | 180 – 255 | 71 – 100 | Reserved for future use |
| **3** | | | **Effect Parameter 1** |
| | 0 – 255 | 0 – 100 | See table below |
| **4** | | | **Effect Parameter 2** |
| | 0 – 255 | 0 – 100 | See table below |
| **5** | | | **Effect Parameter 3** |
| | 0 – 255 | 0 – 100 | See table below |
| **6** | | | **Effect Parameter 4** |
| | 0 – 255 | 0 – 100 | See table below |
| **7** | | | **Effect Parameter 5** |
| | 0 – 255 | 0 – 100 | See table below |
| **8** | | | **Effect Parameter 6** |
| | 0 – 255 | 0 – 100 | See table below |
| **9** | | | **Effect Parameter 7** |
| | 0 – 255 | 0 – 100 | See table below |
| **10** *Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | | **Fan control** |
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |
| **11** | | | **Preset** |
| | 0 – 255 | 0 – 100 | See table on page 8 |
| **12 – 13** | | | **Reserved for future use** |

Mode 23: Effects, 16 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|

| HI | LO | | | |
|---|---|---|---|---|
| **1** | **2** | 0 – 65535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **3** | | 0 – 9<br>10 – 19<br>20 – 29<br>30 – 39<br>40 – 49<br>50 – 59<br>60 – 69<br>70 – 79<br>80 – 89<br>90 – 99<br>100 – 109<br>110 – 119<br>120 – 129<br>130 – 139<br>140 – 149<br>150 – 159<br>160 – 169<br>170 – 179<br>180 – 255 | 0 – 4<br>5 – 7<br>8 – 11<br>12 – 15<br>16 – 19<br>20 – 23<br>24 – 27<br>28 – 31<br>32 – 35<br>36 – 39<br>40 – 43<br>44 – 47<br>48 – 51<br>52 – 55<br>56 – 58<br>59 – 62<br>63 – 66<br>67 – 70<br>71 – 100 | **Effect Selection**<br>No Effect<br>Party Effect<br>Candle<br>Clouds Passing<br>Club Lights<br>Color Chase<br>Cop Car<br>Fire<br>Fireworks<br>Light Strobe<br>Lightning<br>Paparazzi<br>Pulsing<br>Television<br>Explosion<br>Fluorescent Flicker<br>Process Effect<br>Welding<br>Reserved for future use |
| **4** | **5** | 0 – 65535 | 0 – 100 | **Effect Parameter 1**<br>See table below |
| **6** | **7** | 0 – 65535 | 0 – 100 | **Effect Parameter 2**<br>See table below |
| **8** | **9** | 0 – 65535 | 0 – 100 | **Effect Parameter 3**<br>See table below |
| **10** | **11** | 0 – 65535 | 0 – 100 | **Effect Parameter 4**<br>See table below |
| **12** | **13** | 0 – 65535 | 0 – 100 | **Effect Parameter 5**<br>See table below |
| **14** | **15** | 0 – 65535 | 0 – 100 | **Effect Parameter 6**<br>See table below |
| **16** | **17** | 0 – 65535 | 0 – 100 | **Effect Parameter 7**<br>See table below |
| **18**<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| **19** | | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| **20 – 21** | | | | **Reserved for future use** |

*Party Effect*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 | 0 | 0 | **Saturation**<br>CCT 2.800 → 10.000 K |

| | 0 – 255 | 1 – 65535 | 0 – 100 | 0 → 1.0 Saturation |
|---|---|---|---|---|
| **2** | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed** <br> Loop 60 s → 1 s |

*Candle*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 – 84 <br> 85 – 170 <br> 171 – 255 | 0 – 21504 <br> 21805 – 43520 <br> 43521 – 65535 | 0 – 33 <br> 34 – 66 <br> 67 – 100 | **CCT Range** <br> *Not continuous, set range for random generation* <br> 1.400 → 1.700 K <br> 1.700 → 2.000 K <br> 2.000 → 2.300 K |
| **2** | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed** <br> 0 → 120 changes / min |

*Clouds Passing*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 –  255 | 0 – 65535 | 0 – 100 | **Offset** <br> Offset Number 0 – 50 <br> *Every 5 DMX values is a new offset* |
| **2** | 0 – 127 <br> 128 – 255 | 0 – 32767 <br> 32768 – 65535 | 0 – 50 <br> 51 – 100 | **Speed** <br> 2 x Slower → Default Speed <br> Default Speed → 2 x Faster |
| **3** | | | | **Sync** <br> *If bumped to 255 (100%), the loop will start at zero (or depending on the offset value)* |

*Club Lights*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| | | | | **Color Variety** |
| | 0 – 31 | 0 – 7936 | 0 – 12 | 3 Colors |
| | 32 – 63 | 7937 – 16128 | 13 – 25 | 6 Colors |
| | 64 – 95 | 16129 – 24320 | 26 – 37 | 9 Colors |
| **1** | 96 – 127 | 24321 – 32767 | 38 – 49 | 12 Colors |
| | 128 – 159 | 32768 – 40704 | 50 – 62 | 15 Colors |
| | 160 – 191 | 40705 – 48896 | 63 – 75 | 18 Colors |
| | 192 – 223 | 48897 – 57088 | 76 – 87 | 21 Colors |
| | 224 – 255 | 57089 – 65535 | 88 – 100 | 24 Colors |
| **2** | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed**<br>0 → 120 changes / min |

*Color Chase*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 – 255 | 0 – 65535 | 0 – 100 | **Offset**<br>Offset Number 0 – 50<br>*Every 5 DMX values is a new offset* |
| **2** | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed**<br>Loop 60 s → 1 s |
| **3** | 0<br>1 – 255 | 0<br>1 – 65535 | 0<br>1 – 100 | **Saturation**<br>CCT 2.800 → 10.000 K<br>0 → 1.0 Saturation |
| **4** | | | | **Sync**<br>*If bumped to 255 (100%), the loop will start at zero (or depending on the offset value)* |

*Cop Car*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| | | | | **Color Combinations** |
| **1** | 0 – 27 | 0 – 6912 | 0 – 11 | Just Blue |
| | 28 – 55 | 6913 – 14080 | 12 – 21 | Blue and Red |
| | 56 – 83 | 14081 – 21248 | 22 – 32 | Blue and White |
| | 84 – 111 | 21249 – 28416 | 33 – 43 | Blue, Red and White |
| | 112 – 139 | 28417 – 35584 | 44 – 54 | Blue and Amber |
| | 140 – 167 | 35585 – 42752 | 55 – 65 | Blue, Red and Amber |
| | 168 – 195 | 42753 – 49920 | 66 – 76 | Red and Amber |
| | 196 – 223 | 49921 – 57088 | 77 – 87 | Amber |
| | 224 – 255 | 57089 – 65535 | 88 – 100 | Red |
| | | | | **Flash Pattern** |
| **2** | 0 – 31 | 0 – 7936 | 0 – 12 | Single Flash |
| | 32 – 63 | 7937 – 16128 | 13 – 25 | Double Flash |
| | 64 – 95 | 16129 – 24320 | 26 – 37 | Quint All Flash |
| | 96 – 127 | 24321 – 32767 | 38 – 49 | Quint Flash |
| | 128 – 159 | 32768 – 40704 | 50 – 62 | Quad Flash |
| | 160 – 191 | 40705 – 48896 | 63 – 75 | Cycle All |
| | 192 – 255 | 48897 – 65535 | 76 – 100 | Reserved for future use |

*Fire*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| | | | | **CCT Range** |
| | | | | *Not continuous, set range for random generation* |
| **1** | 0 – 84 | 0 – 21504 | 0 – 33 | 1.800 → 2.200 K |
| | 85 – 170 | 21505 – 43520 | 34 – 66 | 2.200 → 2.600 K |
| | 171 – 255 | 43521 – 65535 | 67 – 100 | 2.600 → 3.000 K |
| **2** | | | | **Speed** |
| | 0 – 255 | 0 – 65535 | 0 – 100 | 0 → 180 changes / min |

*Fireworks*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| | | | | **Color Combinations** |
| **1** | 0 – 63 | 0 – 16128 | 0 – 25 | Colors |
| | 64 – 127 | 16129 – 32767 | 26 – 50 | White |
| | 128 – 191 | 32768 – 48896 | 51 – 75 | Colors and White |
| | 192 – 255 | 48897 – 65535 | 76 – 100 | Reserved for future use |
| **2** | | | | **Speed** |
| | 0 – 255 | 0 – 65535 | 0 – 100 | 10 → 0,5 s between fireworks |

*Strobe*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Speed**<br>1 → 25 flashes / second |
| **2** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Color Temperature**<br>CCT 2.800 → 10.000 K |
| **3** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **4** | 0 – 255 | 0 – 65.535 | **0 – 100** | **Cross Fade** |
| **5** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Hue**<br>0 → 360° |
| **6** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Saturation**<br>0 → 1.0 Saturation |

*Lightning*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 – 254<br>255 | 0 – 65.534<br>65.535 | 0 – 99<br>100 | **Frequency**<br>2 → 14 lightning strikes set<br>Random |
| **2** | 0 – 254<br>255 | 0 – 65.534<br>65.535 | 0 – 99<br>100 | **Speed**<br>0 → 10 flashes / second<br>Random |
| **3** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Color Temperature**<br>CCT 2.800 → 10.000 K |
| **4** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **5** | 0 – 255 | 0 – 65535 | 0 – 100 | **Sync**<br>*If bumped to 255 (100%), the loop will start at zero (or depending on the offset value)* |

*Paparazzi*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 – 255 | 0 – 65535 | 0 – 100 | **Frequency**<br>6 → 120 Flashes / min |
| **2** | 0 – 127<br>128 – 255 | 0 – 32767<br>32768 – 65535 | 0 – 50<br>51 – 100 | **Flash Type**<br>Flash Bulb<br>Modern Flash |
| **3** | 0 – 255 | 0 – 65535 | 0 – 100 | **Color Temperature**<br>CCT 2.800 → 10.000 K |
| **4** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |

*Pulsing*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 – 255 | 0 – 65535 | 0 – 100 | **Frequency**<br>5 → 90 Pulses / minute |
| **2** | 0 – 255 | 0 – 65535 | 0 – 100 | **Pulse Duration**<br>4 → 0.25 seconds |
| **3** | 0 – 255 | 0 – 65535 | 0 – 100 | **Color Temperature**<br>CCT 2.800 → 10.000 K |
| **4** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **5** | 0 – 255 | 0 – 65535 | 0 – 100 | **Cross Fade** |
| **6** | 0 – 255 | 0 – 65535 | 0 – 100 | **Hue**<br>0 → 360° |
| **7** | 0 – 255 | 0 – 65535 | 0 – 100 | **Saturation**<br>0 → 1.0 Saturation |

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| 1 | 0 – 84<br>85 – 170<br>171 – 255 | 0 – 21504<br>21505 – 43520<br>43521 – 65535 | 0 – 32<br>33 – 66<br>67 – 100 | **CCT Range**<br>*Not continuous, set range for random generation*<br>2.800 → 4.700 K<br>4.700 → 6.500 K<br>6.500 → 10.000 K |
| 2 | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed**<br>4 → 24 changes / min |

*Explosion*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| 1 | 0 – 255 | 0 – 65535 | 0 – 100 | **Decay**<br>Decay 4 → 0.5 seconds |
| 2 | 250 – 255 | 64.224 – 65535 | 98 – 100 | **Trigger**<br>Manual (bump intensity to explode) |
| 3 | 0 – 255 | 0 – 65535 | 0 – 100 | **Color Temperature**<br>CCT 2.800 → 10.000 K |
| 4 | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 5 | 0 – 255 | 0 – 65535 | 0 – 100 | **Cross Fade**<br>White → Color |
| 6 | 0 – 255 | 0 – 65535 | 0 – 100 | **Hue**<br>0 → 360° |
| 7 | 0 – 255 | 0 – 65535 | 0 – 100 | **Saturation**<br>0 → 1.0 Saturation |

*Fluorescent Flicker*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| 1 | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed** <br> 2 → 6 seconds of still |
| 2 | 0 – 255 | 0 – 65535 | 0 – 100 | **Frequency** <br> 3 → 10 flickers per second |
| 3 | 0 – 255 | 0 – 65535 | 0 – 100 | **Color Temperature** <br> CCT 2.800 → 10.000 K |
| 4 | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4.587 <br> 4.588 – 9.830 <br> 9.831 – 30.145 <br> 30.146 – 39.976 <br> 39.977 – 60.292 <br> 60.293 – 65.535 | n/a | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| 5 | 0 – 255 | 0 – 65535 | 0 – 100 | **Cross Fade** <br> White → Color |
| 6 | 0 – 255 | 0 – 65535 | 0 – 100 | **Hue** <br> 0 → 360° |
| 7 | 0 – 255 | 0 – 65535 | 0 – 100 | **Saturation** <br> 0 → 1.0 Saturation |

*Process Effect*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| 1 | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed** <br> Slow → fast |
| 2 | 0 – 127 <br> 128 – 255 | 0 – 32764 <br> 32765 – 65535 | 0 – 100 | **Direction** <br> Left → right <br> Right → left |
| 3 | 0 – 255 | 0 – 65535 | 0 – 100 | **Color Temperature** <br> CCT 2.800 → 10.000 K |
| 4 | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4.587 <br> 4.588 – 9.830 <br> 9.831 – 30.145 <br> 30.146 – 39.976 <br> 39.977 – 60.292 <br> 60.293 – 65.535 | n/a | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| 5 | 0 – 255 | 0 – 65535 | 0 – 100 | **Cross Fade** <br> White → Color |
| 6 | 0 – 255 | 0 – 65535 | 0 – 100 | **Hue** <br> 0 → 360° |
| 7 | 0 – 255 | 0 – 65535 | 0 – 100 | **Saturation** <br> 0 → 1.0 Saturation |

*Welding*

| Effect Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|
| **1** | 0 – 255 | 0 – 65535 | 0 – 100 | **Speed**<br>Slow → fast |
| **2** | 0 – 255 | 0 – 65535 | 0 – 100 | **Min Intensity Level**<br>0% → 75% minimum intensity level |
| **3** | 0 – 255 | 0 – 65535 | 0 – 100 | **Color Temperature**<br>CCT 2.800 → 10.000 K |
| **4** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **5** | 0 – 255 | 0 – 65535 | 0 – 100 | **Cross Fade**<br>White → Color |
| **6** | 0 – 255 | 0 – 65535 | 0 – 100 | **Hue**<br>0 → 360° |
| **7** | 0 – 255 | 0 – 65535 | 0 – 100 | **Saturation**<br>0 → 1.0 Saturation |

# Individual Light Engine Control

These DMX modes support the individual control of each light engine of a SkyPanel.

Individual light engine control supports the control of

- One (1) light engine of the S30–C,
- Two (2) light engines of the S60–C,
- Four (4) light engines of the S120–C,
- Twelve (12) light engines of the S360.

Each DMX protocol supports the DMX modes CCT & RGBW, HSI and x, y coordinates for each light engine.

## Light Engine Numbering

For individual light engine control via DMX each light engine is identified by a specific number. The following definition will be used (Light engine positions seen from the front):

|   |
|---|
| 1 |

**S30**

| 1 | 2 |
|---|---|

**S60**

| 1 | 2 | 3 | 4 |
|---|---|---|---|

**S120**

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
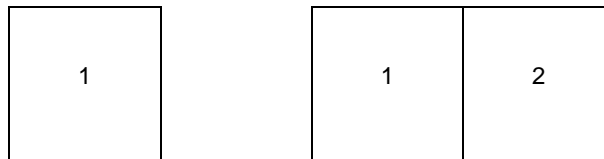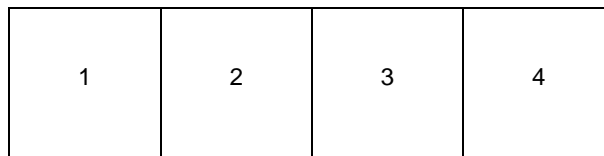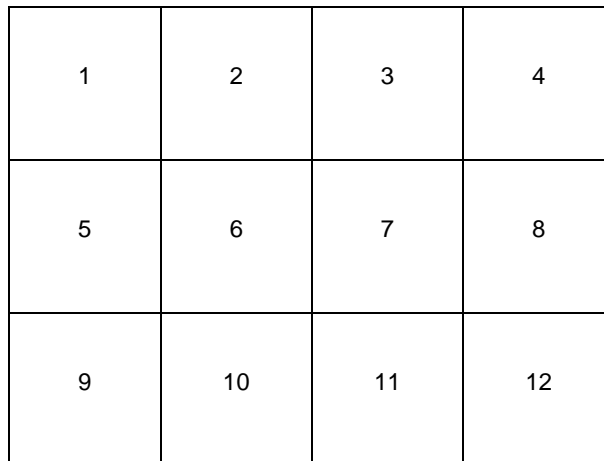
**S360**

Mode 24: LE CCT & RGBW, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **Light Engine 1** | | | |
| **1** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **2** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **3** | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4 <br> 5 – 8 <br> 9 – 47 <br> 48 – 57 <br> 58 – 96 <br> 97 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **4** | 0 – 255 | 0 – 100 | **Cross Fade to Color** <br> White → RGBW color |
| **5** | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **6** | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **7** | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **8** | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |
| **Light Engine 2 (only S60–C, S120–C, S360)** | | | |
| **9** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **10** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **11** | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4 <br> 5 – 8 <br> 9 – 47 <br> 48 – 57 <br> 58 – 96 <br> 97 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **12** | 0 – 255 | 0 – 100 | **Cross Fade to Color** <br> White → RGBW color |
| **13** | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **14** | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **15** | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **16** | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |
| **Light Engine 3 (only S120–C, S360)** | | | |
| **17** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **18** | | | **Color temperature CCT** |

| | | | |
|---|---|---|---|
| | 0 – 255 | 0 – 100 | 2.800 K → 10.000 K |
| **19** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4<br>5 – 8<br>9 – 47<br>48 – 57<br>58 – 96<br>97 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **20** | 0 – 255 | 0 – 100 | **Cross Fade to Color**<br>White → RGBW color |
| **21** | 0 – 255 | 0 – 100 | **Intensity red**<br>0% → 100% |
| **22** | 0 – 255 | 0 – 100 | **Intensity green**<br>0% → 100% |
| **23** | 0 – 255 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| **24** | 0 – 255 | 0 – 100 | **Intensity white**<br>0% → 100% |
| **Light Engine 4 (only S120–C, S360)** | | | |
| **25** | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| **26** | 0 – 255 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| **27** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4<br>5 – 8<br>9 – 47<br>48 – 57<br>58 – 96<br>97 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **28** | 0 – 255 | 0 – 100 | **Cross Fade to Color**<br>White → RGBW color |
| **29** | 0 – 255 | 0 – 100 | **Intensity red**<br>0% → 100% |
| **30** | 0 – 255 | 0 – 100 | **Intensity green**<br>0% → 100% |
| **31** | 0 – 255 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| **32** | 0 – 255 | 0 – 100 | **Intensity white**<br>0% → 100% |

| Light Engine 5 (only S360) | | | |
|---|---|---|---|
| **33** | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| **34** | 0 – 255 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| **35** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4<br>5 – 8<br>9 – 47<br>48 – 57<br>58 – 96<br>97 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **36** | 0 – 255 | 0 – 100 | **Cross Fade to Color**<br>White → RGBW color |
| **37** | 0 – 255 | 0 – 100 | **Intensity red**<br>0% → 100% |
| **38** | 0 – 255 | 0 – 100 | **Intensity green**<br>0% → 100% |
| **39** | 0 – 255 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| **40** | 0 – 255 | 0 – 100 | **Intensity white**<br>0% → 100% |
| Light Engine 6 (only S360) | | | |
| **41** | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| **42** | 0 – 255 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| **43** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4<br>5 – 8<br>9 – 47<br>48 – 57<br>58 – 96<br>97 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **44** | 0 – 255 | 0 – 100 | **Cross Fade to Color**<br>White → RGBW color |
| **45** | 0 – 255 | 0 – 100 | **Intensity red**<br>0% → 100% |
| **46** | 0 – 255 | 0 – 100 | **Intensity green**<br>0% → 100% |
| **47** | 0 – 255 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| **48** | 0 – 255 | 0 – 100 | **Intensity white**<br>0% → 100% |

| Light Engine 7 (only S360) | | | |
|---|---|---|---|
| **49** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **50** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **51** | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4 <br> 5 – 8 <br> 9 – 47 <br> 48 – 57 <br> 58 – 96 <br> 97 – 100 | **Green / Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **52** | 0 – 255 | 0 – 100 | **Cross Fade to Color** <br> White → RGBW color |
| **53** | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **54** | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **55** | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **56** | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |
| Light Engine 8 (only S360) | | | |
| **57** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **58** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **59** | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4 <br> 5 – 8 <br> 9 – 47 <br> 48 – 57 <br> 58 – 96 <br> 97 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **60** | 0 – 255 | 0 – 100 | **Cross Fade to Color** <br> White → RGBW color |
| **61** | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **62** | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **63** | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **64** | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |

| Light Engine 9 (only S360) | | | |
|---|---|---|---|
| **65** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **66** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **67** | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4 <br> 5 – 8 <br> 9 – 47 <br> 48 – 57 <br> 58 – 96 <br> 97 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **68** | 0 – 255 | 0 – 100 | **Cross Fade to Color** <br> White → RGBW color |
| **69** | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **70** | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **71** | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **72** | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |
| Light Engine 10 (only S360) | | | |
| **73** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **74** | 0 – 255 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **75** | 0 – 10 <br> 11 – 20 <br> 21 – 119 <br> 120 – 145 <br> 146 – 244 <br> 245 – 255 | 0 – 4 <br> 5 – 8 <br> 9 – 47 <br> 48 – 57 <br> 58 – 96 <br> 97 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **76** | 0 – 255 | 0 – 100 | **Cross Fade to Color** <br> White → RGBW color |
| **77** | 0 – 255 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **78** | 0 – 255 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **79** | 0 – 255 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **80** | 0 – 255 | 0 – 100 | **Intensity white** <br> 0% → 100% |

| Light Engine 11 (only S360) | | | |
|---|---|---|---|
| 81 | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| 82 | 0 – 255 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 83 | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4<br>5 – 8<br>9 – 47<br>48 – 57<br>58 – 96<br>97 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 84 | 0 – 255 | 0 – 100 | **Cross Fade to Color**<br>White → RGBW color |
| 85 | 0 – 255 | 0 – 100 | **Intensity red**<br>0% → 100% |
| 86 | 0 – 255 | 0 – 100 | **Intensity green**<br>0% → 100% |
| 87 | 0 – 255 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| 88 | 0 – 255 | 0 – 100 | **Intensity white**<br>0% → 100% |
| Light Engine 12 (only S360) | | | |
| 89 | 0 – 255 | 0 – 100 | **Dimmer**<br>closed → open |
| 90 | 0 – 255 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 91 | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4<br>5 – 8<br>9 – 47<br>48 – 57<br>58 – 96<br>97 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 92 | 0 – 255 | 0 – 100 | **Cross Fade to Color**<br>White → RGBW color |
| 93 | 0 – 255 | 0 – 100 | **Intensity red**<br>0% → 100% |
| 94 | 0 – 255 | 0 – 100 | **Intensity green**<br>0% → 100% |
| 95 | 0 – 255 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| 96 | 0 – 255 | 0 – 100 | **Intensity white**<br>0% → 100% |

| | | | |
|---|---|---|---|
| **9 (S30–C)** | | | **Fan control** |
| **17 (S60–C)** | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| **33 (S120–C)** | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| **97 (S360)** | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| *Note: Fan Mode* | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| *reverts to fixture* | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| *menu setting,* | 202 – 249 | 79 – 97 | Fan at Full Speed |
| *when DMX signal* | 251 – 255 | 99 – 100 | Fan Off |
| *is lost.* | | | |

Mode 25: LE CCT & RGBW, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| **HI** | **LO** | | | |
| **Light Engine 1** | | | | |
| **1** | **2** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **3** | **4** | 0 – 65.535 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| **5** | **6** | 0 – 4.587 <br> 4.588 – 9.830 <br> 9.831 – 30.145 <br> 30.146 – 39.976 <br> 39.977 – 60.292 <br> 60.293 – 65.535 | 0 – 7 <br> 8 – 15 <br> 16 – 46 <br> 47 – 61 <br> 62 – 92 <br> 93 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> –99% → –1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| **7** | **8** | 0 – 65.535 | 0 – 100 | **Xfade to color** <br> White → RGBW color |
| **9** | **10** | 0 – 65.535 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| **11** | **12** | 0 – 65.535 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| **13** | **14** | 0 – 65.535 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| **15** | **16** | 0 – 65.535 | 0 – 100 | **Intensity white** <br> 0% → 100% |

| | | | | | |
|---|---|---|---|---|---|
| **Light Engine 2 (only S60–C, S120–C, S360)** | | | | | |
| 17 | 18 | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open | |
| 19 | 20 | 0 – 65.535 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K | |
| 21 | 22 | 0 – 4.587 <br> 4.588 – 9.830 <br> 9.831 – 30.145 <br> 30.146 – 39.976 <br> 39.977 – 60.292 <br> 60.293 – 65.535 | 0 – 7 <br> 8 – 15 <br> 16 – 46 <br> 47 – 61 <br> 62 – 92 <br> 93 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> −99% → −1% <br> neutral / no effect <br> 1% → 99% <br> full plus green | |
| 23 | 24 | 0 – 65.535 | 0 – 100 | **Xfade to color** <br> White → RGBW color | |
| 25 | 26 | 0 – 65.535 | 0 – 100 | **Intensity red** <br> 0% → 100% | |
| 27 | 28 | 0 – 65.535 | 0 – 100 | **Intensity green** <br> 0% → 100% | |
| 29 | 30 | 0 – 65.535 | 0 – 100 | **Intensity blue** <br> 0% → 100% | |
| 31 | 32 | 0 – 65.535 | 0 – 100 | **Intensity white** <br> 0% → 100% | |
| **Light Engine 3 (only S120–C, S360)** | | | | | |
| 33 | 34 | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open | |
| 35 | 36 | 0 – 65.535 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K | |
| 37 | 38 | 0 – 4.587 <br> 4.588 – 9.830 <br> 9.831 – 30.145 <br> 30.146 – 39.976 <br> 39.977 – 60.292 <br> 60.293 – 65.535 | 0 – 7 <br> 8 – 15 <br> 16 – 46 <br> 47 – 61 <br> 62 – 92 <br> 93 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> −99% → −1% <br> neutral / no effect <br> 1% → 99% <br> full plus green | |
| 39 | 40 | 0 – 65.535 | 0 – 100 | **Xfade to color** <br> White → RGBW color | |
| 41 | 42 | 0 – 65.535 | 0 – 100 | **Intensity red** <br> 0% → 100% | |
| 43 | 44 | 0 – 65.535 | 0 – 100 | **Intensity green** <br> 0% → 100% | |
| 45 | 46 | 0 – 65.535 | 0 – 100 | **Intensity blue** <br> 0% → 100% | |
| 47 | 48 | 0 – 65.535 | 0 – 100 | **Intensity white** <br> 0% → 100% | |

| | | | | |
|---|---|---|---|---|
| **Light Engine 4 (only S120–C, S360)** | | | | |
| 49 | 50 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 51 | 52 | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 53 | 54 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 55 | 56 | 0 – 65.535 | 0 – 100 | **Xfade to color**<br>White → RGBW color |
| 57 | 58 | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% |
| 59 | 60 | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% |
| 61 | 62 | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| 63 | 64 | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% |
| **Light Engine 5 (only S360)** | | | | |
| 65 | 66 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 67 | 68 | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 69 | 70 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 71 | 72 | 0 – 65.535 | 0 – 100 | **Xfade to color**<br>White → RGBW color |
| 73 | 74 | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% |
| 75 | 76 | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% |
| 77 | 78 | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| 79 | 80 | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% |

| | | | | **Light Engine 6 (only S360)** | |
|---|---|---|---|---|---|
| 81 | 82 | 0 – 65.535 | 0 – 100 | **Dimmer** closed → open | |
| 83 | 84 | 0 – 65.535 | 0 – 100 | **Color temperature CCT** 2.800 K → 10.000 K | |
| 85 | 86 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green | |
| 87 | 88 | 0 – 65.535 | 0 – 100 | **Xfade to color** White → RGBW color | |
| 89 | 90 | 0 – 65.535 | 0 – 100 | **Intensity red** 0% → 100% | |
| 91 | 92 | 0 – 65.535 | 0 – 100 | **Intensity green** 0% → 100% | |
| 93 | 94 | 0 – 65.535 | 0 – 100 | **Intensity blue** 0% → 100% | |
| 95 | 96 | 0 – 65.535 | 0 – 100 | **Intensity white** 0% → 100% | |
| | | | | **Light Engine 7 (only S360)** | |
| 97 | 98 | 0 – 65.535 | 0 – 100 | **Dimmer** closed → open | |
| 99 | 100 | 0 – 65.535 | 0 – 100 | **Color temperature CCT** 2.800 K → 10.000 K | |
| 101 | 102 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green | |
| 103 | 104 | 0 – 65.535 | 0 – 100 | **Xfade to color** White → RGBW color | |
| 105 | 106 | 0 – 65.535 | 0 – 100 | **Intensity red** 0% → 100% | |
| 107 | 108 | 0 – 65.535 | 0 – 100 | **Intensity green** 0% → 100% | |
| 109 | 110 | 0 – 65.535 | 0 – 100 | **Intensity blue** 0% → 100% | |
| 111 | 112 | 0 – 65.535 | 0 – 100 | **Intensity white** 0% → 100% | |

| | | | | |
|---|---|---|---|---|
| **Light Engine 8 (only S360)** | | | | |
| 113 | 114 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 115 | 116 | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 117 | 118 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>−99% → −1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 119 | 120 | 0 – 65.535 | 0 – 100 | **Xfade to color**<br>White → RGBW color |
| 121 | 122 | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% |
| 123 | 124 | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% |
| 125 | 126 | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| 127 | 128 | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% |
| **Light Engine 9 (only S360)** | | | | |
| 129 | 130 | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open |
| 131 | 132 | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K |
| 133 | 134 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>−99% → −1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| 135 | 136 | 0 – 65.535 | 0 – 100 | **Xfade to color**<br>White → RGBW color |
| 137 | 138 | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% |
| 139 | 140 | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% |
| 141 | 142 | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| 143 | 144 | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% |

| | | | | |
|---|---|---|---|---|
| **Light Engine 10 (only S360)** | | | | |
| 145 | 146 | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| 147 | 148 | 0 – 65.535 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| 149 | 150 | 0 – 4.587 <br> 4.588 – 9.830 <br> 9.831 – 30.145 <br> 30.146 – 39.976 <br> 39.977 – 60.292 <br> 60.293 – 65.535 | 0 – 7 <br> 8 – 15 <br> 16 – 46 <br> 47 – 61 <br> 62 – 92 <br> 93 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> −99% → −1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| 151 | 152 | 0 – 65.535 | 0 – 100 | **Xfade to color** <br> White → RGBW color |
| 153 | 154 | 0 – 65.535 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| 155 | 156 | 0 – 65.535 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| 157 | 158 | 0 – 65.535 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| 159 | 160 | 0 – 65.535 | 0 – 100 | **Intensity white** <br> 0% → 100% |
| **Light Engine 11 (only S360)** | | | | |
| 161 | 162 | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| 163 | 164 | 0 – 65.535 | 0 – 100 | **Color temperature CCT** <br> 2.800 K → 10.000 K |
| 165 | 166 | 0 – 4.587 <br> 4.588 – 9.830 <br> 9.831 – 30.145 <br> 30.146 – 39.976 <br> 39.977 – 60.292 <br> 60.293 – 65.535 | 0 – 7 <br> 8 – 15 <br> 16 – 46 <br> 47 – 61 <br> 62 – 92 <br> 93 – 100 | **Green–Magenta Point** <br> neutral / no effect <br> full minus green <br> −99% → −1% <br> neutral / no effect <br> 1% → 99% <br> full plus green |
| 167 | 168 | 0 – 65.535 | 0 – 100 | **Xfade to color** <br> White → RGBW color |
| 169 | 170 | 0 – 65.535 | 0 – 100 | **Intensity red** <br> 0% → 100% |
| 171 | 172 | 0 – 65.535 | 0 – 100 | **Intensity green** <br> 0% → 100% |
| 173 | 174 | 0 – 65.535 | 0 – 100 | **Intensity blue** <br> 0% → 100% |
| 175 | 176 | 0 – 65.535 | 0 – 100 | **Intensity white** <br> 0% → 100% |

| Light Engine 12 (only S360) | | | | | |
|---|---|---|---|---|---|
| **177** | **178** | 0 – 65.535 | 0 – 100 | **Dimmer**<br>closed → open | |
| **179** | **180** | 0 – 65.535 | 0 – 100 | **Color temperature CCT**<br>2.800 K → 10.000 K | |
| **181** | **182** | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | 0 – 7<br>8 – 15<br>16 – 46<br>47 – 61<br>62 – 92<br>93 – 100 | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green | |
| **183** | **184** | 0 – 65.535 | 0 – 100 | **Xfade to color**<br>White → RGBW color | |
| **185** | **186** | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% | |
| **187** | **188** | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% | |
| **189** | **190** | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% | |
| **191** | **192** | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% | |
| **17 (S30–C)**<br>**33 (S60–C)**<br>**65 (S120–C)**<br>**193 (S360)**<br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off | |

Mode 26: LE H S I, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **Light Engine 1** | | | |
| **1** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **2** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **3** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |
| **Light Engine 2 (only S60–C, S120–C, S360)** | | | |
| **4** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **5** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **6** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |
| **Light Engine 3 (only S120–C, S360)** | | | |
| **7** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **8** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **9** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |
| **Light Engine 4 (only S120–C, S360)** | | | |
| **10** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **11** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **12** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |
| **Light Engine 5 (only S360)** | | | |
| **13** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **14** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **15** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |
| **Light Engine 6 (only S360)** | | | |
| **16** | 0 – 255 | 0 – 100 | **Dimmer** <br> closed → open |
| **17** | 0 – 255 | 0 – 100 | **Hue** <br> 0° → 360° |
| **18** | 0 – 255 | 0 – 100 | **Saturation** <br> 0 → full saturated |

| Light Engine 7 (only S360) | | | |
|---|---|---|---|
| **19** | 0 – 255 | 0 – 100 | **Dimmer** closed → open |
| **20** | 0 – 255 | 0 – 100 | **Hue** 0° → 360° |
| **21** | 0 – 255 | 0 – 100 | **Saturation** 0 → full saturated |
| Light Engine 8 (only S360) | | | |
| **22** | 0 – 255 | 0 – 100 | **Dimmer** closed → open |
| **23** | 0 – 255 | 0 – 100 | **Hue** 0° → 360° |
| **24** | 0 – 255 | 0 – 100 | **Saturation** 0 → full saturated |
| Light Engine 9 (only S360) | | | |
| **25** | 0 – 255 | 0 – 100 | **Dimmer** closed → open |
| **26** | 0 – 255 | 0 – 100 | **Hue** 0° → 360° |
| **27** | 0 – 255 | 0 – 100 | **Saturation** 0 → full saturated |
| Light Engine 10 (only S360) | | | |
| **28** | 0 – 255 | 0 – 100 | **Dimmer** closed → open |
| **29** | 0 – 255 | 0 – 100 | **Hue** 0° → 360° |
| **30** | 0 – 255 | 0 – 100 | **Saturation** 0 → full saturated |
| Light Engine 11 (only S360) | | | |
| **31** | 0 – 255 | 0 – 100 | **Dimmer** closed → open |
| **32** | 0 – 255 | 0 – 100 | **Hue** 0° → 360° |
| **33** | 0 – 255 | 0 – 100 | **Saturation** 0 → full saturated |
| Light Engine 12 (only S360) | | | |
| **34** | 0 – 255 | 0 – 100 | **Dimmer** closed → open |
| **35** | 0 – 255 | 0 – 100 | **Hue** 0° → 360° |
| **36** | 0 – 255 | 0 – 100 | **Saturation** 0 → full saturated |

| | | | |
|---|---|---|---|
| **4 (S30–C)** | | | **Fan control** |
| **7 (S60–C)** | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| **13 (S120–C)** | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| **37 (S360)** | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| *Note: Fan Mode* | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| *reverts to fixture* | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| *menu setting,* | 202 – 249 | 79 – 97 | Fan at Full Speed |
| *when DMX signal is lost.* | 251 – 255 | 99 – 100 | Fan Off |

Mode 27: LE H S I, 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| **HI** | **LO** | | | |
| **Light Engine 1** | | | | |
| **1** | **2** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **3** | **4** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **5** | **6** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 2 (only S60–C, S120–C, S360)** | | | | |
| **7** | **8** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **9** | **10** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **11** | **12** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 3 (only S120–C, S360)** | | | | |
| **13** | **14** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **15** | **16** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **17** | **18** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 4 (only S120–C, S360)** | | | | |
| **19** | **20** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **21** | **22** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **23** | **24** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 5 (only S360)** | | | | |
| **25** | **26** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **27** | **28** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **29** | **30** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 6 (only S360)** | | | | |
| **31** | **32** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **33** | **34** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **35** | **36** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| **Light Engine 7 (only S360)** | | | | |
| **37** | **38** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |

| | | | | |
|---|---|---|---|---|
| **39** | **40** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **41** | **42** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 8 (only S360)** | | | | |
| **43** | **44** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **45** | **46** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **47** | **48** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 9 (only S360)** | | | | |
| **49** | **50** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **51** | **52** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **53** | **54** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 10 (only S360)** | | | | |
| **55** | **56** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **57** | **58** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **59** | **60** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 11 (only S360)** | | | | |
| **61** | **62** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **63** | **64** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **65** | **66** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |
| **Light Engine 12 (only S360)** | | | | |
| **67** | **68** | 0 – 65.535 | 0 – 100 | **Dimmer** <br> closed → open |
| **69** | **70** | 0 – 65.535 | 0 – 100 | **Hue** <br> 0° → 360° |
| **71** | **72** | 0 – 65.535 | 0 – 100 | **Saturation** <br> White → full saturated |

| 7 (S30–C) | | | Fan control |
|---|---|---|---|
| 13 (S60–C) | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| 25 (S120–C) | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| 73 (S360) | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| *Note: Fan Mode* | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| *reverts to fixture* | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| *menu setting,* | 202 – 249 | 79 – 97 | Fan at Full Speed |
| *when DMX signal* | 251 – 255 | 99 – 100 | Fan Off |
| *is lost.* | | | |

Mode 28: LE x,y Coordinates, 8 bit resolution per function

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **Light Engine 1** | | | |
| **1** | 0 – 255 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **2** | 0 – 255 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| **3** | 0 – 255 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 2 (only S60–C, S120–C, S360)** | | | |
| **4** | 0 – 255 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **5** | 0 – 255 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| **6** | 0 – 255 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 3 (only S120–C, S360)** | | | |
| **7** | 0 – 255 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **8** | 0 – 255 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| **9** | 0 – 255 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 4 (only S120–C, S360)** | | | |
| **10** | 0 – 255 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **11** | 0 – 255 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| **12** | 0 – 255 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 5 (only S360)** | | | |
| **13** | 0 – 255 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **14** | 0 – 255 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| **15** | 0 – 255 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 6 (only S360–C)** | | | |
| **16** | 0 – 255 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| **17** | 0 – 255 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| **18** | 0 – 255 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |

| Light Engine 7 (only S360) | | | |
|---|---|---|---|
| **19** | 0 – 255 | 0 – 100 | **Master Intensity** <br> 0 % (closed) → 100% (open) |
| **20** | 0 – 255 | 0 – 100 | **X Coordinate** <br> 0.0 – 0.8 |
| **21** | 0 – 255 | 0 – 100 | **Y Coordinate** <br> 0.0 – 0.8 |
| Light Engine 8 (only S360) | | | |
| **22** | 0 – 255 | 0 – 100 | **Master Intensity** <br> 0 % (closed) → 100% (open) |
| **23** | 0 – 255 | 0 – 100 | **X Coordinate** <br> 0.0 – 0.8 |
| **24** | 0 – 255 | 0 – 100 | **Y Coordinate** <br> 0.0 – 0.8 |
| Light Engine 9 (only S360) | | | |
| **25** | 0 – 255 | 0 – 100 | **Master Intensity** <br> 0 % (closed) → 100% (open) |
| **26** | 0 – 255 | 0 – 100 | **X Coordinate** <br> 0.0 – 0.8 |
| **27** | 0 – 255 | 0 – 100 | **Y Coordinate** <br> 0.0 – 0.8 |
| Light Engine 10 (only S360–C) | | | |
| **28** | 0 – 255 | 0 – 100 | **Master Intensity** <br> 0 % (closed) → 100% (open) |
| **29** | 0 – 255 | 0 – 100 | **X Coordinate** <br> 0.0 – 0.8 |
| **30** | 0 – 255 | 0 – 100 | **Y Coordinate** <br> 0.0 – 0.8 |
| Light Engine 11 (only S360) | | | |
| **31** | 0 – 255 | 0 – 100 | **Master Intensity** <br> 0 % (closed) → 100% (open) |
| **32** | 0 – 255 | 0 – 100 | **X Coordinate** <br> 0.0 – 0.8 |
| **33** | 0 – 255 | 0 – 100 | **Y Coordinate** <br> 0.0 – 0.8 |
| Light Engine 12 (only S360) | | | |
| **34** | 0 – 255 | 0 – 100 | **Master Intensity** <br> 0 % (closed) → 100% (open) |
| **35** | 0 – 255 | 0 – 100 | **X Coordinate** <br> 0.0 – 0.8 |
| **36** | 0 – 255 | 0 – 100 | **Y Coordinate** <br> 0.0 – 0.8 |

| 4 (S30–C) | | | **Fan control** |
|---|---|---|---|
| **7 (S60–C)** | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| **13 (S120–C)** | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| **37 (S360)** | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| *Note: Fan Mode* | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| *reverts to fixture* | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| *menu setting,* | 202 – 249 | 79 – 97 | Fan at Full Speed |
| *when DMX signal*<br>*is lost.* | 251 – 255 | 99 – 100 | Fan Off |

Mode 29: LE x,y Coordinates 16 bit resolution per function

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| **Light Engine 1** | | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 3 | 4 | 0 – 65.535 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| 5 | 6 | 0 – 65.535 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 2 (only S60–C, S120–C, S360)** | | | | |
| 7 | 8 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 9 | 10 | 0 – 65.535 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| 11 | 12 | 0 – 65.535 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 3 (only S120–C, S360)** | | | | |
| 13 | 14 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 15 | 16 | 0 – 65.535 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| 17 | 18 | 0 – 65.535 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 4 (only S120–C, S360)** | | | | |
| 19 | 20 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 21 | 22 | 0 – 65.535 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| 23 | 24 | 0 – 65.535 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 5 (only S360)** | | | | |
| 25 | 26 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 27 | 28 | 0 – 65.535 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| 29 | 30 | 0 – 65.535 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |
| **Light Engine 6 (only S360)** | | | | |
| 31 | 32 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 33 | 34 | 0 – 65.535 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| 35 | 36 | 0 – 65.535 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| **Light Engine 7 (only S360)** | | | | |
| 37 | 38 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 39 | 40 | | | **X Coordinate** |

| | | | | |
|---|---|---|---|---|
| | | 0 – 65.535 | 0 – 100 | 0.0 – 0.8 |
| **41** | **42** | 0 – 65.535 | 0 – 100 | **Y Coordinate** 0.0 – 0.8 |
| **Light Engine 8 (only S360)** | | | | |
| **43** | **44** | 0 – 65.535 | 0 – 100 | **Master Intensity** 0 % (closed) → 100% (open) |
| **45** | **46** | 0 – 65.535 | 0 – 100 | **X Coordinate** 0.0 – 0.8 |
| **47** | **48** | 0 – 65.535 | 0 – 100 | **Y Coordinate** 0.0 – 0.8 |
| **Light Engine 9 (only S360)** | | | | |
| **49** | **50** | 0 – 65.535 | 0 – 100 | **Master Intensity** 0 % (closed) → 100% (open) |
| **51** | **52** | 0 – 65.535 | 0 – 100 | **X Coordinate** 0.0 – 0.8 |
| **53** | **54** | 0 – 65.535 | 0 – 100 | **Y Coordinate** 0.0 – 0.8 |
| **Light Engine 10 (only S360)** | | | | |
| **55** | **56** | 0 – 65.535 | 0 – 100 | **Master Intensity** 0 % (closed) → 100% (open) |
| **57** | **58** | 0 – 65.535 | 0 – 100 | **X Coordinate** 0.0 – 0.8 |
| **59** | **60** | 0 – 65.535 | 0 – 100 | **Y Coordinate** 0.0 – 0.8 |
| **Light Engine 11 (only S360)** | | | | |
| **61** | **62** | 0 – 65.535 | 0 – 100 | **Master Intensity** 0 % (closed) → 100% (open) |
| **63** | **64** | 0 – 65.535 | 0 – 100 | **X Coordinate** 0.0 – 0.8 |
| **65** | **66** | 0 – 65.535 | 0 – 100 | **Y Coordinate** 0.0 – 0.8 |
| **Light Engine 12 (only S360)** | | | | |
| **67** | **68** | 0 – 65.535 | 0 – 100 | **Master Intensity** 0 % (closed) → 100% (open) |
| **69** | **70** | 0 – 65.535 | 0 – 100 | **X Coordinate** 0.0 – 0.8 |
| **71** | **72** | 0 – 65.535 | 0 – 100 | **Y Coordinate** 0.0 – 0.8 |

| 7 (S30–C) 13 (S60–C) 25 (S120–C) 73 (S360) Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost. | | | Fan control |
|---|---|---|---|
| | 0 – 9 | 0 – 3 | Use Fan Mode Setting of Fixture Menu |
| | 10 – 57 | 4 – 22 | Quite, Fan speed fixed |
| | 58 – 105 | 23 – 41 | Variable, Fan speed variable |
| | 106 – 153 | 42 – 60 | High Temp, Fan speed fixed |
| | 154 – 201 | 61 – 78 | Normal (*S360 only, no function on other models*) |
| | 202 – 249 | 79 – 97 | Fan at Full Speed |
| | 251 – 255 | 99 – 100 | Fan Off |

Mode 30: Ultimate DMX Protocol, 8 bit

| DMX Channel | Value | Percent | Function |
|---|---|---|---|
| **1** | | | **Master Intensity** |
| | 0 – 255 | 0 – 100 | 0 % (closed) → 100% (open) |
| **2** | | | **Color Mode Selection** |
| | 0 – 9 | 0 – 4 | CCT & Green–Magenta Point |
| | 10 – 19 | 5 – 7 | H S I |
| | 20 – 29 | 8 – 11 | RGBW |
| | 30 – 39 | 12 – 16 | Gel Selection |
| | 40 – 49 | 17 – 19 | Source Matching |
| | 50 – 59 | 20 – 23 | X,y Coordinate |
| | 60 – 69 | 24 – 27 | Effects |
| | 70 – 255 | 28 – 100 | Reserved |
| **3** | | | **Color Paramter #1** |
| **4** | | | **Color Paramter #2** |
| **5** | | | **Color Paramter #3** |
| **6** | See tables below | | **Color Paramter #4** |
| **7** | | | **Color Paramter #5** |
| **8** | | | **Color Paramter #6** |
| **9** | | | **Color Paramter #7** |
| **10** | | | **Color Paramter #8** |
| **11** | 0 – 255 | 0 – 100 | **Cross Fade** |
| **12** | | | **Color Mode Selection** |
| | 0 – 9 | 0 – 4 | CCT & Green–Magenta Point |
| | 10 – 19 | 5 – 7 | H S I |
| | 20 – 29 | 8 – 11 | RGBW |
| | 30 – 39 | 12 – 16 | Gel Selection |
| | 40 – 49 | 17 – 19 | Source Matching |
| | 50 – 59 | 20 – 23 | X,y Coordinate |
| | 60 – 69 | 24 – 27 | Effects |
| | 70 – 255 | 28 – 100 | Reserved |
| **13** | | | **Color Paramter #1** |
| **14** | | | **Color Paramter #2** |
| **15** | | | **Color Paramter #3** |
| **16** | See tables below | | **Color Paramter #4** |
| **17** | | | **Color Paramter #5** |
| **18** | | | **Color Paramter #6** |
| **19** | | | **Color Paramter #7** |
| **20** | | | **Color Paramter #8** |

| | | | |
|---|---|---|---|
| **21**<br><br>*Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.* | 0 – 9<br>10 – 57<br>58 – 105<br>106 – 153<br>154 – 201<br>202 – 249<br>251 – 255 | 0 – 3<br>4 – 22<br>23 – 41<br>42 – 60<br>61 – 78<br>79 – 97<br>99 – 100 | **Fan control**<br>Use Fan Mode Setting of Fixture Menu<br>Quite, Fan speed fixed<br>Variable, Fan speed variable<br>High Temp, Fan speed fixed<br>Normal (*S360 only, no function on other models*)<br>Fan at Full Speed<br>Fan Off |
| **22** | 0 – 255 | 0 – 100 | **Preset**<br>See table on page 8 |
| **23** | 0 – 19<br>20 – 255 | 0 – 7<br>8 – 100 | **Light Strobe**<br>No effect<br>1 flash / s → 25 flashes / s |
| **24** | | | **Reserved for future use** |

Mode 31: Ultimate DMX Protocol, 16 bit

| DMX Channel | | Value | Percent | Function |
|---|---|---|---|---|
| HI | LO | | | |
| 1 | 2 | 0 – 65.535 | 0 – 100 | **Master Intensity**<br>0 % (closed) → 100% (open) |
| 3 | | 0 – 9<br>10 – 19<br>20 – 29<br>30 – 39<br>40 – 49<br>50 – 59<br>60 – 69<br>70 – 255 | 0 – 4<br>5 – 7<br>8 – 11<br>12 – 16<br>17 – 19<br>20 – 23<br>24 – 27<br>28 – 100 | **Color Mode Selection**<br>CCT & Green–Magenta Point<br>H S I<br>RGBW<br>Gel Selection (no 16 bit mode, see page 85)<br>Source Matching (no 16 bit mode, see page 85)<br>X,y Coordinate<br>Effects<br>Reserved |
| 4 | 5 | | | **Color Parameter #1** |
| 6 | 7 | | | **Color Parameter #2** |
| 8 | 9 | | | **Color Parameter #3** |
| 10 | 11 | See tables below | | **Color Parameter #4** |
| 12 | 13 | | | **Color Parameter #5** |
| 14 | 15 | | | **Color Parameter #6** |
| 16 | 17 | | | **Color Parameter #7** |
| 18 | 19 | | | **Color Parameter #8** |
| 20 | 21 | 0 – 65.535 | 0 – 100 | **Cross Fade** |
| 22 | | 0 – 9<br>10 – 19<br>20 – 29<br>30 – 39<br>40 – 49<br>50 – 59<br>60 – 69<br>70 – 255 | 0 – 4<br>5 – 7<br>8 – 11<br>12 – 16<br>17 – 19<br>20 – 23<br>24 – 27<br>28 – 100 | **Color Mode Selection**<br>CCT & Green–Magenta Point<br>H S I<br>RGBW<br>Gel Selection (no 16 bit mode, see page table85)<br>Source Matching (no 16 bit mode, see page table85)<br>X,y Coordinate<br>Effects<br>Reserved |
| 23 | 24 | | | **Color Parameter #1** |
| 25 | 26 | | | **Color Parameter #2** |
| 27 | 28 | | | **Color Parameter #3** |
| 29 | 30 | See tables below | | **Color Parameter #4** |
| 31 | 32 | | | **Color Parameter #5** |
| 33 | 34 | | | **Color Parameter #6** |
| 35 | 36 | | | **Color Parameter #7** |
| 37 | 38 | | | **Color Parameter #8** |

| 39 Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost. | 0 – 9 10 – 57 58 – 105 106 – 153 154 – 201 202 – 249 251 – 255 | 0 – 3 4 – 22 23 – 41 42 – 60 61 – 78 79 – 97 99 – 100 | **Fan control** Use Fan Mode Setting of Fixture Menu Quite, Fan speed fixed Variable, Fan speed variable High Temp, Fan speed fixed Normal (*S360 only, no function on other models*) Fan at Full Speed Fan Off |
|---|---|---|---|
| **40** | 0 – 255 | 0 – 100 | **Preset** See table on |
| **41** | 0 – 19 20 – 255 | 0 – 7 8 – 100 | **Light Strobe** No effect 1 flash / s → 25 flashes / s |
| **42** | | | **Reserved for future use** |

*Color Mode Parameters*

| Color Mode | Parameter | Value 8 bit | Value 16 bit | Percent | Function |
|---|---|---|---|---|---|
| **CCT & Green / Magenta Point** | **1** | 0 – 255 | 0 – 65.535 | 0 – 100 | **CCT Range**<br>2.800 → 10.000 K |
| | **2** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |
| **H S I** | **1** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Hue**<br>0° → 360° |
| | **2** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Saturation**<br>0 → full saturated |
| **RGBW** | **1** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Intensity red**<br>0% → 100% |
| | **2** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Intensity green**<br>0% → 100% |
| | **3** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Intensity blue**<br>0% → 100% |
| | **4** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Intensity white**<br>0% → 100% |
| | **5** | 0 – 255 | 0 – 65.535 | 0 – 100 | **White Point CCT**<br>2.800 K → 10.000 K |
| | **6** | 0 – 10<br>11 – 20<br>21 – 119<br>120 – 145<br>146 – 244<br>245 – 255 | 0 – 4.587<br>4.588 – 9.830<br>9.831 – 30.145<br>30.146 – 39.976<br>39.977 – 60.292<br>60.293 – 65.535 | n/a | **White Point –<br>Green–Magenta Point**<br>neutral / no effect<br>full minus green<br>–99% → –1%<br>neutral / no effect<br>1% → 99%<br>full plus green |

| Gel Selection | | | | | |
|---|---|---|---|---|---|
| | **1** | 0 – 128<br>129 – 255 | | 0 – 50<br>51 – 100 | **Gel, CCT Selection**<br>3.200 K<br>5.600 K |
| | **2** | 0 – 84<br><br>85 – 170<br><br><br>171 – 255 | | 0 – 33<br><br>34 – 67<br><br><br>68 – 100 | **Gel, Color Matching Selection**<br>Best Color<br>*Note: Color quality optimized*<br>Brightest<br>*Note: Color brightness optimized*<br>No Color Gel |
| | **3** | 0 – 128<br>129 – 255 | *Notice:*<br><br>*No 16 bit GEL mode available in Ultimate DMX Mode.*<br><br>*Uses only "HI" channels, LO channels default value = 0* | 0 – 50<br>51 – 100 | **Gel, Brand**<br>Rosco<br>LEE filters |
| | **4** | 0 – 50<br><br><br>51 – 101<br><br>102 – 152<br><br>153 – 203<br><br><br>204 – 255 | | 0 – 20<br><br><br>21 – 39<br><br>40 – 60<br><br>61 – 80<br><br><br>81 – 100 | **Gel, Category**<br>*Choose Gel manufacturer on parameter 3*<br>Category 1<br>*Rosco: Color correction*<br>*LEE: Color correction*<br>Category 2<br>*Rosco: CalColor*<br>*LEE:Color Filters*<br>Category 3<br>*Rosco: Storaro Selection*<br>*LEE: 600 Series*<br>Category 4<br>*Rosco: Cinelux*<br>*LEE: Cosmetic Filters*<br>Category 5<br>*LEE: 700 Series* |
| | **5** | 0 – 255 | | 0 – 100 | **Gel**<br>See tables on page 28 |
| Source Matching | **1** | 0 – 50<br>51 – 101<br>102 – 152<br>153 – 203<br>204 – 255 | *Notice:*<br>*No 16 bit Source matching mode available in Ultimate DMX Mode.*<br>*Uses only "HI" channels, LO channels default value = 0* | 0 – 20<br>21 – 39<br>40 – 59<br>60 – 79<br>80 – 100 | **Category**<br>Incandescent<br>Fluorescent<br>Discharge<br>Other<br>Reserved for future use |
| | **2** | 0 – 255 | | 0 – 100 | **Source**<br>Please see table on page 41 |
| x,y Coordinates | **1** | 0 – 255 | 0 – 65.535 | 0 – 100 | **X Coordinate**<br>0.0 – 0.8 |
| | **2** | 0 – 255 | 0 – 65.535 | 0 – 100 | **Y Coordinate**<br>0.0 – 0.8 |

| Effects | | | | | Effect Selection |
|---|---|---|---|---|---|
| | **1** | 0 – 9 | 0 – 2304 | 0 – 4 | No Effect |
| | | 10 – 19 | 2305 – 4864 | 5 – 7 | Party Effect |
| | | 20 – 29 | 4865 – 7424 | 8 – 11 | Candle |
| | | 30 – 39 | 7425 – 9984 | 12 – 15 | Clouds Passing |
| | | 40 – 49 | 9985 – 12544 | 16 – 19 | Club Lights |
| | | 50 – 59 | 12545 – 15104 | 20 – 23 | Color Chase |
| | | 60 – 69 | 15105 – 17664 | 24 – 27 | Cop Car |
| | | 70 – 79 | 17665 – 20224 | 28 – 31 | Fire |
| | | 80 – 89 | 20225 – 22784 | 32 – 35 | Fireworks |
| | | 90 – 99 | 22785 – 25344 | 36 – 39 | Light Strobe |
| | | 100 – 109 | 25345 – 27904 | 40 – 43 | Lightning |
| | | 110 – 119 | 27905 – 30464 | 44 – 47 | Paparazzi |
| | | 120 – 129 | 30465 – 33024 | 48 – 51 | Pulsing |
| | | 130 – 139 | 33025 – 35584 | 52 – 55 | Television |
| | | 140 – 149 | 35585 – 38144 | 56 – 58 | Explosion |
| | | 150 – 159 | 38145 – 40704 | 59 – 62 | Fluorescent Flicker |
| | | 160 – 169 | 40705 – 43264 | 63 – 66 | Process Effect |
| | | 170 – 179 | 43265 – 45824 | 67 – 70 | Welding |
| | | 180 – 255 | 45825 – 65535 | 71 – 100 | Reserved for future use |
| | **2** | See tables from page 44 | | | **Effect Parameter 1** |
| | **3** | | | | **Effect Parameter 2** |
| | **4** | | | | **Effect Parameter 3** |
| | **5** | | | | **Effect Parameter 4** |
| | **6** | | | | **Effect Parameter 5** |
| | **7** | | | | **Effect Parameter 6** |
| | **8** | | | | **Effect Parameter 7** |

# Equations for conversion

**CCT conversion**

*8 bit*

$$DMX\ Value = \frac{Desired\ CCT - 2800}{28.235}$$

$$CCT = (DMX\ Value * 28.235) + 2800$$

*16 bit*

$$DMX\ Value = \frac{Desired\ CCT - 2800}{0.109865}$$

$$CCT = (DMX\ Value * 0.109865) + 2800$$

**x,y Coordinate to DMX Value Conversion**

*8 bit*

$$DMX_x = \frac{x_{value} * 255}{0.8}$$

$$DMX_y = \frac{y_{value} * 255}{0.8}$$

*16 bit*

$$DMX_x = \frac{x_{value} * 65535}{0.8}$$

$$DMX_y = \frac{y_{value} * 65535}{0.8}$$