# DMX CHARTS

| RDM Model ID | HEX | DEC |
|---|---|---|
| ECLFRCTPXS | A039 | 41017 |

## DMX MODES LIST

| RDM ID | DMX Mode | Footprint |
|---|---|---|
| 1 | UNO | 1 ch |
| 2 | DUO | 2 ch |
| 3 | IRGB | 4 ch |
| 4 | STANDARD | 11 ch |
| 5 | MULTIMODE 8bit | 19 ch |
| 6 | MULTIMODE 16bit | 22 ch |
| 7 | MULTIMODE DUAL 8bit | 25 ch |
| 8 | MULTIMODE DUAL 16bit | 31 ch |
| 9 | M2 - CCT 16bit | 11 ch |
| 10 | M4 - RGB 16 bit | 15 ch |
| 12 | M8 - XY 16 bit | 17 ch |
| 14 | M16 - CCT + RGB 16 bit | 21 ch |
| 16 | M18 - CCT + RGB 16 bit + GEL 16 bit | 25 ch |
| 18 | M28 - CCT + XY 16 bit | 17 ch |
| 20 | M30 - CCT + XY + GEL 16 bit | 21 ch |
| 22 | M36 - RAW 16 bit | 19 ch |
| 23 | M37 - CCT + RAW 16 bit | 24 ch |
| 24 | M38 - CCT + GEL 16 bit + RAW 16 bit | 28 ch |

| RDM ID | DMX Mode | Footprint |
|---|---|---|
| | **Available with Color Correction ON** | |
| 11 | M4 - RGB 16 bit + CC | 24 ch |
| 13 | M8 - XY 16 bit + CC | 26 ch |
| 15 | M16 - CC - CCT + RGB 16 bit | 30 ch |
| 17 | M18 - CC - CCT + RGB 16 bit + GEL 16 bit | 34 ch |
| 19 | M28 - CC - CCT + XY 16 bit | 26 ch |
| 21 | M30 - CC - CCT + XY + GEL 16 bit | 30 ch |

## BASIC DMX MODES

| Ch | UNO | DUO | IRGB | STANDARD |
|---|---|---|---|---|
| 1 | Dimmer | Dimmer | Dimmer | Dimmer |
| 2 | | Dimmer Fine | Red | Dimmer Fine |
| 3 | | | Green | CCT |
| 4 | | | Blue | CCT fine |
| 5 | | | | GMP |
| 6 | | | | Crossfade CCT to RGB |
| 7 | | | | Red |
| 8 | | | | Green |
| 9 | | | | Blue |
| 10 | | | | Strobe |
| 11 | | | | Control |
| 12 | | | | |

**NOTE** CCT channel refers to 2800K - 10000K when the CCT range selector channel is not available.

## MULTIMODE DMX MODES

| Ch | MULTIMODE 8 BIT | MULTIMODE 16 BIT | MULTIMODE DUAL 8 BIT | MULTIMODE DUAL 16 BIT |
|---|---|---|---|---|
| 1 | Dimmer | Dimmer | Dimmer | Dimmer |
| 2 | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine |
| 3 | Control Mode 8 bit | Control Mode 16 bit | Control Mode 8bit | Control Mode 16bit |
| 4 | Parameter 1 | Parameter 1 | Parameter 1 | Parameter 1 |
| 5 | Parameter 2 | Parameter 2 | Parameter 2 | Parameter 2 |
| 6 | Parameter 3 | Parameter 3 | Parameter 3 | Parameter 3 |
| 7 | Reserved | Parameter 4 | Layer Crossfade | Parameter 4 |
| 8 | Reserved | Parameter 5 | Control Mode 8 bit | Parameter 5 |
| 9 | Reserved | Parameter 6 | Parameter 1 | Parameter 6 |
| 10 | Reserved | Reserved | Parameter 2 | Layer Crossfade |
| 11 | Reserved | Reserved | Parameter 3 | Control Mode 16 bit |
| 12 | Reserved | Reserved | Reserved | Parameter 1 |
| 13 | Reserved | Reserved | Reserved | Parameter 2 |
| 14 | Reserved | Reserved | Reserved | Parameter 3 |
| 15 | Strobe | Reserved | Reserved | Parameter 4 |
| 16 | Control | Reserved | Reserved | Parameter 5 |
| 17 | Preset | Reserved | Reserved | Parameter 6 |
| 18 | Fan Control | Strobe | Reserved | Reserved |
| 19 | Reserved | Control | Reserved | Reserved |
| 20 | | Preset | Transition Type Selector | Reserved |
| 21 | | Fan Control | Strobe | Reserved |
| 22 | | Reserved | Control | Reserved |
| 23 | | | Preset | Reserved |
| 24 | | | Fan Control | Reserved |
| 25 | | | Reserved | Reserved |
| 26 | | | | Transition Type Selector |
| 27 | | | | Strobe |
| 28 | | | | Control |
| 29 | | | | Preset |
| 30 | | | | Fan Control |
| 31 | | | | Reserved |

## DMX MODES

| Ch | M2<br>CCT 16bit | M4<br>RGB 16 bit | M8<br>XY 16 bit | M16<br>CCT + RGB 16 bit | M18<br>CCT + RGB 16 bit<br>+ GEL 16 bit |
|---|---|---|---|---|---|
| 1 | Dimmer | Dimmer | Dimmer | Dimmer | Dimmer |
| 2 | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine |
| 3 | CCT | Red | X1 | CCT | CCT |
| 4 | CCT Fine | Red Fine | X1 fine | CCT Fine | CCT Fine |
| 5 | GMP | Green | Y1 | GMP | GMP |
| 6 | CCT Range Selector | Green Fine | Y1 fine | Xfade CCT to RGB | Xfade CCT to RGB |
| 7 | Strobe | Blue | Xfade XY1 to XY2 | Red | Red |
| 8 | Control | Blue Fine | X2 | Red Fine | Red Fine |
| 9 | Preset | White Point | X2 fine | Green | Green |
| 10 | Fan Control | White Point Fine | Y2 | Green Fine | Green Fine |
| 11 | Reserved | Strobe | Y2 fine | Blue | Blue |
| 12 | | Control | Transition Type | Blue Fine | Blue Fine |
| 13 | | Preset | Strobe | CCT Range Selector | Xfade RGB to GEL |
| 14 | | Fan Control | Control | White Point | GEL Source Selector |
| 15 | | Reserved | Preset | White Point Fine | GEL Brand / Category |
| 16 | | | Fan Control | Transition Type | GEL Selector |
| 17 | | | Reserved | Strobe | CCT Range Selector |
| 18 | | | | Control | White Point |
| 19 | | | | Preset | White Point Fine |
| 20 | | | | Fan Control | Transition Type |
| 21 | | | | Reserved | Strobe |
| 22 | | | | | Control |
| 23 | | | | | Preset |
| 24 | | | | | Fan Control |
| 25 | | | | | Reserved |

**NOTE** CCT channel refers to 2800K - 10000K when the CCT range selector channel is not available.

## DMX MODES

| Ch | M28<br>CCT + XY 16 bit | M30<br>CCT + XY + GEL 16 bit | M36<br>RAW 16 bit | M37<br>CCT + RAW 16 bit | M38<br>CCT + GEL 16 bit + RAW 16 bit |
|---|---|---|---|---|---|
| 1 | Dimmer | Dimmer | Dimmer | Dimmer | Dimmer |
| 2 | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine |
| 3 | CCT | CCT | Red | CCT | CCT |
| 4 | CCT Fine | CCT Fine | Red Fine | CCT Fine | CCT Fine |
| 5 | GMP | GMP | Green | GMP | GMP |
| 6 | Xfade CCT to XY | Xfade CCT to XY | Green Fine | Xfade CCT to RAW | Xfade CCT to GEL |
| 7 | X | X | Blue | Red | GEL Source Selector |
| 8 | X Fine | X Fine | Blue Fine | Red Fine | GEL Brand / Category |
| 9 | Y | Y | PC Amber | Green | GEL Selector |
| 10 | Y Fine | Y Fine | PC Amber Fine | Green Fine | Xfade GEL to RAW |
| 11 | CCT Range Selector | Xfade XY to GEL | Lime | Blue | Red |
| 12 | Transition Type | GEL Source Selector | Lime Fine | Blue Fine | Red Fine |
| 13 | Strobe | GEL Brand / Category | Cyan | PC Amber | Green |
| 14 | Control | GEL Selector | Cyan Fine | PC Amber Fine | Green Fine |
| 15 | Preset | CCT Range Selector | Strobe | Lime | Blue |
| 16 | Fan Control | Transition Type | Control | Lime Fine | Blue Fine |
| 17 | Reserved | Strobe | Preset | Cyan | PC Amber |
| 18 | | Control | Fan Control | Cyan Fine | PC Amber Fine |
| 19 | | Preset | Reserved | CCT Range Selector | Lime |
| 20 | | Fan Control | | Strobe | Lime Fine |
| 21 | | Reserved | | Control | Cyan |
| 22 | | | | Preset | Cyan Fine |
| 23 | | | | Fan Control | CCT Range Selector |
| 24 | | | | Reserved | Strobe |
| 25 | | | | | Control |
| 26 | | | | | Preset |
| 27 | | | | | Fan Control |
| 28 | | | | | Reserved |

## CHANNEL DEFINITION

**Dimmer**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Dimmer | 0 | 255 | 0 | 65535 | Default @ 0 (Linear Dimmer 0 - 100%) |

**CCT Range Selector**

| Function | | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|---|
| CCT(K) From | CCT(K) To | From | To | From | To | |
| 1850K | 20000K | 0 | 9 | - | - | Default @ 0 (Linear from 1850K to 20000K) |
| 2200K | 15000K | 10 | 19 | - | - | |
| 2800K | 10000K | 20 | 29 | - | - | |
| 2200K | 20000K | 30 | 39 | - | - | |
| Reserved | | 40 | 255 | - | - | |

**CCT (Range Selector @ 1850K - 20000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 1850 | 1900 | 0 | 1 | 0 | 181 |
| 1900 | 2000 | 1 | 2 | 181 | 542 |
| 2000 | 2100 | 2 | 4 | 542 | 903 |
| 2100 | 2200 | 4 | 5 | 903 | 1264 |
| 2200 | 2300 | 5 | 6 | 1264 | 1625 |
| 2300 | 2400 | 6 | 8 | 1625 | 1986 |
| 2400 | 2500 | 8 | 9 | 1986 | 2347 |
| 2500 | 2600 | 9 | 11 | 2347 | 2708 |
| 2600 | 2700 | 11 | 12 | 2708 | 3069 |
| 2700 | 2800 | 12 | 13 | 3069 | 3430 |
| 2800 | 2900 | 13 | 15 | 3430 | 3791 |
| 2900 | 3000 | 15 | 16 | 3791 | 4152 |
| 3000 | 3100 | 16 | 18 | 4152 | 4513 |
| 3100 | 3200 | 18 | 19 | 4513 | 4875 |
| 3200 | 3300 | 19 | 20 | 4875 | 5236 |
| 3300 | 3400 | 20 | 22 | 5236 | 5597 |
| 3400 | 3500 | 22 | 23 | 5597 | 5958 |
| 3500 | 3600 | 23 | 25 | 5958 | 6319 |
| 3600 | 3700 | 25 | 26 | 6319 | 6680 |
| 3700 | 3800 | 26 | 27 | 6680 | 7041 |
| 3800 | 3900 | 27 | 29 | 7041 | 7402 |
| 3900 | 4000 | 29 | 30 | 7402 | 7763 |
| 4000 | 4100 | 30 | 32 | 7763 | 8124 |
| 4100 | 4200 | 32 | 33 | 8124 | 8485 |
| 4200 | 4300 | 33 | 34 | 8485 | 8846 |
| 4300 | 4400 | 34 | 36 | 8846 | 9207 |
| 4400 | 4500 | 36 | 37 | 9207 | 9568 |
| 4500 | 4600 | 37 | 39 | 9568 | 9930 |
| 4600 | 4700 | 39 | 40 | 9930 | 10291 |
| 4700 | 4800 | 40 | 41 | 10291 | 10652 |
| 4800 | 4900 | 41 | 43 | 10652 | 11013 |
| 4900 | 5000 | 43 | 44 | 11013 | 11374 |
| 5000 | 5100 | 44 | 46 | 11374 | 11735 |
| 5100 | 5200 | 46 | 47 | 11735 | 12096 |
| 5200 | 5300 | 47 | 48 | 12096 | 12457 |
| 5300 | 5400 | 48 | 50 | 12457 | 12818 |
| 5400 | 5500 | 50 | 51 | 12818 | 13179 |
| 5500 | 5600 | 51 | 53 | 13179 | 13540 |
| 5600 | 5700 | 53 | 54 | 13540 | 13901 |
| 5700 | 5800 | 54 | 55 | 13901 | 14262 |
| 5800 | 5900 | 55 | 57 | 14262 | 14624 |
| 5900 | 6000 | 57 | 58 | 14624 | 14985 |
| 6000 | 6100 | 58 | 60 | 14985 | 15346 |
| 6100 | 6200 | 60 | 61 | 15346 | 15707 |
| 6200 | 6300 | 61 | 63 | 15707 | 16068 |
| 6300 | 6400 | 63 | 64 | 16068 | 16429 |
| 6400 | 6500 | 64 | 65 | 16429 | 16790 |
| 6500 | 6600 | 65 | 67 | 16790 | 17151 |
| 6600 | 6700 | 67 | 68 | 17151 | 17512 |
| 6700 | 6800 | 68 | 70 | 17512 | 17873 |
| 6800 | 6900 | 70 | 71 | 17873 | 18234 |
| 6900 | 7000 | 71 | 72 | 18234 | 18595 |
| 7000 | 7100 | 72 | 74 | 18595 | 18956 |
| 7100 | 7200 | 74 | 75 | 18956 | 19317 |
| 7200 | 7300 | 75 | 77 | 19317 | 19679 |
| 7300 | 7400 | 77 | 78 | 19679 | 20040 |
| 7400 | 7500 | 78 | 79 | 20040 | 20401 |
| 7500 | 7600 | 79 | 81 | 20401 | 20762 |
| 7600 | 7700 | 81 | 82 | 20762 | 21123 |
| 7700 | 7800 | 82 | 84 | 21123 | 21484 |
| 7800 | 7900 | 84 | 85 | 21484 | 21845 |
| 7900 | 8000 | 85 | 86 | 21845 | 22206 |
| 8000 | 8100 | 86 | 88 | 22206 | 22567 |
| 8100 | 8200 | 88 | 89 | 22567 | 22928 |
| 8200 | 8300 | 89 | 91 | 22928 | 23289 |
| 8300 | 8400 | 91 | 92 | 23289 | 23650 |
| 8400 | 8500 | 92 | 93 | 23650 | 24011 |
| 8500 | 8600 | 93 | 95 | 24011 | 24373 |
| 8600 | 8700 | 95 | 96 | 24373 | 24734 |

**CCT (Range Selector @ 1850K - 20000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 8700 | 8800 | 96 | 98 | 24734 | 25095 |
| 8800 | 8900 | 98 | 99 | 25095 | 25456 |
| 8900 | 9000 | 99 | 100 | 25456 | 25817 |
| 9000 | 9100 | 100 | 102 | 25817 | 26178 |
| 9100 | 9200 | 102 | 103 | 26178 | 26539 |
| 9200 | 9300 | 103 | 105 | 26539 | 26900 |
| 9300 | 9400 | 105 | 106 | 26900 | 27261 |
| 9400 | 9500 | 106 | 107 | 27261 | 27622 |
| 9500 | 9600 | 107 | 109 | 27622 | 27983 |
| 9600 | 9700 | 109 | 110 | 27983 | 28344 |
| 9700 | 9800 | 110 | 112 | 28344 | 28705 |
| 9800 | 9900 | 112 | 113 | 28705 | 29066 |
| 9900 | 10000 | 113 | 115 | 29066 | 29428 |
| 10000 | 10100 | 115 | 116 | 29428 | 29789 |
| 10100 | 10200 | 116 | 117 | 29789 | 30150 |
| 10200 | 10300 | 117 | 119 | 30150 | 30511 |
| 10300 | 10400 | 119 | 120 | 30511 | 30872 |
| 10400 | 10500 | 120 | 122 | 30872 | 31233 |
| 10500 | 10600 | 122 | 123 | 31233 | 31594 |
| 10600 | 10700 | 123 | 124 | 31594 | 31955 |
| 10700 | 10800 | 124 | 126 | 31955 | 32316 |
| 10800 | 10900 | 126 | 127 | 32316 | 32677 |
| 10900 | 11000 | 127 | 129 | 32677 | 33038 |
| 11000 | 11100 | 129 | 130 | 33038 | 33399 |
| 11100 | 11200 | 130 | 131 | 33399 | 33760 |
| 11200 | 11300 | 131 | 133 | 33760 | 34122 |
| 11300 | 11400 | 133 | 134 | 34122 | 34483 |
| 11400 | 11500 | 134 | 136 | 34483 | 34844 |
| 11500 | 11600 | 136 | 137 | 34844 | 35205 |
| 11600 | 11700 | 137 | 138 | 35205 | 35566 |
| 11700 | 11800 | 138 | 140 | 35566 | 35927 |
| 11800 | 11900 | 140 | 141 | 35927 | 36288 |
| 11900 | 12000 | 141 | 143 | 36288 | 36649 |
| 12000 | 12100 | 143 | 144 | 36649 | 37010 |
| 12100 | 12200 | 144 | 145 | 37010 | 37371 |
| 12200 | 12300 | 145 | 147 | 37371 | 37732 |
| 12300 | 12400 | 147 | 148 | 37732 | 38093 |
| 12400 | 12500 | 148 | 150 | 38093 | 38454 |
| 12500 | 12600 | 150 | 151 | 38454 | 38815 |
| 12600 | 12700 | 151 | 152 | 38815 | 39177 |
| 12700 | 12800 | 152 | 154 | 39177 | 39538 |
| 12800 | 12900 | 154 | 155 | 39538 | 39899 |
| 12900 | 13000 | 155 | 157 | 39899 | 40260 |
| 13000 | 13100 | 157 | 158 | 40260 | 40621 |
| 13100 | 13200 | 158 | 159 | 40621 | 40982 |
| 13200 | 13300 | 159 | 161 | 40982 | 41343 |
| 13300 | 13400 | 161 | 162 | 41343 | 41704 |
| 13400 | 13500 | 162 | 164 | 41704 | 42065 |
| 13500 | 13600 | 164 | 165 | 42065 | 42426 |
| 13600 | 13700 | 165 | 166 | 42426 | 42787 |
| 13700 | 13800 | 166 | 168 | 42787 | 43148 |
| 13800 | 13900 | 168 | 169 | 43148 | 43509 |
| 13900 | 14000 | 169 | 171 | 43509 | 43871 |
| 14000 | 14100 | 171 | 172 | 43871 | 44232 |
| 14100 | 14200 | 172 | 174 | 44232 | 44593 |
| 14200 | 14300 | 174 | 175 | 44593 | 44954 |
| 14300 | 14400 | 175 | 176 | 44954 | 45315 |
| 14400 | 14500 | 176 | 178 | 45315 | 45676 |
| 14500 | 14600 | 178 | 179 | 45676 | 46037 |
| 14600 | 14700 | 179 | 181 | 46037 | 46398 |
| 14700 | 14800 | 181 | 182 | 46398 | 46759 |
| 14800 | 14900 | 182 | 183 | 46759 | 47120 |
| 14900 | 15000 | 183 | 185 | 47120 | 47481 |
| 15000 | 15100 | 185 | 186 | 47481 | 47842 |
| 15100 | 15200 | 186 | 188 | 47842 | 48203 |
| 15200 | 15300 | 188 | 189 | 48203 | 48565 |
| 15300 | 15400 | 189 | 190 | 48565 | 48926 |
| 15400 | 15500 | 190 | 192 | 48926 | 49287 |
| 15500 | 15600 | 192 | 193 | 49287 | 49648 |
| 15600 | 15700 | 193 | 195 | 49648 | 50009 |
| 15700 | 15800 | 195 | 196 | 50009 | 50370 |
| 15800 | 15900 | 196 | 197 | 50370 | 50731 |
| 15900 | 16000 | 197 | 199 | 50731 | 51092 |
| 16000 | 16100 | 199 | 200 | 51092 | 51453 |
| 16100 | 16200 | 200 | 202 | 51453 | 51814 |
| 16200 | 16300 | 202 | 203 | 51814 | 52175 |
| 16300 | 16400 | 203 | 204 | 52175 | 52536 |
| 16400 | 16500 | 204 | 206 | 52536 | 52897 |
| 16500 | 16600 | 206 | 207 | 52897 | 53258 |
| 16600 | 16700 | 207 | 209 | 53258 | 53620 |
| 16700 | 16800 | 209 | 210 | 53620 | 53981 |
| 16800 | 16900 | 210 | 211 | 53981 | 54342 |
| 16900 | 17000 | 211 | 213 | 54342 | 54703 |
| 17000 | 17100 | 213 | 214 | 54703 | 55064 |
| 17100 | 17200 | 214 | 216 | 55064 | 55425 |
| 17200 | 17300 | 216 | 217 | 55425 | 55786 |
| 17300 | 17400 | 217 | 218 | 55786 | 56147 |
| 17400 | 17500 | 218 | 220 | 56147 | 56508 |
| 17500 | 17600 | 220 | 221 | 56508 | 56869 |
| 17600 | 17700 | 221 | 223 | 56869 | 57230 |
| 17700 | 17800 | 223 | 224 | 57230 | 57591 |
| 17800 | 17900 | 224 | 225 | 57591 | 57952 |
| 17900 | 18000 | 225 | 227 | 57952 | 58314 |
| 18000 | 18100 | 227 | 228 | 58314 | 58675 |
| 18100 | 18200 | 228 | 230 | 58675 | 59036 |
| 18200 | 18300 | 230 | 231 | 59036 | 59397 |
| 18300 | 18400 | 231 | 233 | 59397 | 59758 |
| 18400 | 18500 | 233 | 234 | 59758 | 60119 |
| 18500 | 18600 | 234 | 235 | 60119 | 60480 |
| 18600 | 18700 | 235 | 237 | 60480 | 60841 |
| 18700 | 18800 | 237 | 238 | 60841 | 61202 |
| 18800 | 18900 | 238 | 240 | 61202 | 61563 |
| 18900 | 19000 | 240 | 241 | 61563 | 61924 |
| 19000 | 19100 | 241 | 242 | 61924 | 62285 |
| 19100 | 19200 | 242 | 244 | 62285 | 62646 |

**CCT (Range Selector @ 1850K - 20000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 19200 | 19300 | 244 | 245 | 62646 | 63007 |
| 19300 | 19400 | 245 | 247 | 63007 | 63369 |
| 19400 | 19500 | 247 | 248 | 63369 | 63730 |
| 19500 | 19600 | 248 | 249 | 63730 | 64091 |
| 19600 | 19700 | 249 | 251 | 64091 | 64452 |
| 19700 | 19800 | 251 | 252 | 64452 | 64813 |
| 19800 | 19900 | 252 | 254 | 64813 | 65174 |
| 19900 | 20000 | 254 | 255 | 65174 | 65535 |

**CCT (Range Selector @ 2200K - 15000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 2200 | 2300 | 0 | 2 | 0 | 512 |
| 2300 | 2400 | 2 | 4 | 512 | 1024 |
| 2400 | 2500 | 4 | 6 | 1024 | 1536 |
| 2500 | 2600 | 6 | 8 | 1536 | 2048 |
| 2600 | 2700 | 8 | 10 | 2048 | 2560 |
| 2700 | 2800 | 10 | 12 | 2560 | 3072 |
| 2800 | 2900 | 12 | 14 | 3072 | 3584 |
| 2900 | 3000 | 14 | 16 | 3584 | 4096 |
| 3000 | 3100 | 16 | 18 | 4096 | 4608 |
| 3100 | 3200 | 18 | 20 | 4608 | 5120 |
| 3200 | 3300 | 20 | 22 | 5120 | 5632 |
| 3300 | 3400 | 22 | 24 | 5632 | 6144 |
| 3400 | 3500 | 24 | 26 | 6144 | 6656 |
| 3500 | 3600 | 26 | 28 | 6656 | 7168 |
| 3600 | 3700 | 28 | 30 | 7168 | 7680 |
| 3700 | 3800 | 30 | 32 | 7680 | 8192 |
| 3800 | 3900 | 32 | 34 | 8192 | 8704 |
| 3900 | 4000 | 34 | 36 | 8704 | 9216 |
| 4000 | 4100 | 36 | 38 | 9216 | 9728 |
| 4100 | 4200 | 38 | 40 | 9728 | 10240 |
| 4200 | 4300 | 40 | 42 | 10240 | 10752 |
| 4300 | 4400 | 42 | 44 | 10752 | 11264 |
| 4400 | 4500 | 44 | 46 | 11264 | 11776 |
| 4500 | 4600 | 46 | 48 | 11776 | 12288 |
| 4600 | 4700 | 48 | 50 | 12288 | 12800 |
| 4700 | 4800 | 50 | 52 | 12800 | 13312 |
| 4800 | 4900 | 52 | 54 | 13312 | 13824 |
| 4900 | 5000 | 54 | 56 | 13824 | 14336 |
| 5000 | 5100 | 56 | 58 | 14336 | 14848 |
| 5100 | 5200 | 58 | 60 | 14848 | 15360 |
| 5200 | 5300 | 60 | 62 | 15360 | 15872 |
| 5300 | 5400 | 62 | 64 | 15872 | 16384 |
| 5400 | 5500 | 64 | 66 | 16384 | 16896 |
| 5500 | 5600 | 66 | 68 | 16896 | 17408 |
| 5600 | 5700 | 68 | 70 | 17408 | 17920 |
| 5700 | 5800 | 70 | 72 | 17920 | 18432 |
| 5800 | 5900 | 72 | 74 | 18432 | 18944 |
| 5900 | 6000 | 74 | 76 | 18944 | 19456 |
| 6000 | 6100 | 76 | 78 | 19456 | 19968 |
| 6100 | 6200 | 78 | 80 | 19968 | 20480 |
| 6200 | 6300 | 80 | 82 | 20480 | 20992 |
| 6300 | 6400 | 82 | 84 | 20992 | 21504 |
| 6400 | 6500 | 84 | 86 | 21504 | 22016 |
| 6500 | 6600 | 86 | 88 | 22016 | 22528 |
| 6600 | 6700 | 88 | 90 | 22528 | 23040 |
| 6700 | 6800 | 90 | 92 | 23040 | 23552 |
| 6800 | 6900 | 92 | 94 | 23552 | 24064 |
| 6900 | 7000 | 94 | 96 | 24064 | 24576 |
| 7000 | 7100 | 96 | 98 | 24576 | 25088 |
| 7100 | 7200 | 98 | 100 | 25088 | 25600 |
| 7200 | 7300 | 100 | 102 | 25600 | 26112 |

**CCT (Range Selector @ 2200K - 15000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 7300 | 7400 | 102 | 104 | 26112 | 26624 |
| 7400 | 7500 | 104 | 106 | 26624 | 27136 |
| 7500 | 7600 | 106 | 108 | 27136 | 27648 |
| 7600 | 7700 | 108 | 110 | 27648 | 28160 |
| 7700 | 7800 | 110 | 112 | 28160 | 28672 |
| 7800 | 7900 | 112 | 114 | 28672 | 29184 |
| 7900 | 8000 | 114 | 116 | 29184 | 29696 |
| 8000 | 8100 | 116 | 118 | 29696 | 30208 |
| 8100 | 8200 | 118 | 120 | 30208 | 30720 |
| 8200 | 8300 | 120 | 122 | 30720 | 31232 |
| 8300 | 8400 | 122 | 124 | 31232 | 31744 |
| 8400 | 8500 | 124 | 126 | 31744 | 32256 |
| 8500 | 8600 | 126 | 128 | 32256 | 32768 |
| 8600 | 8700 | 128 | 129 | 32768 | 33279 |
| 8700 | 8800 | 129 | 131 | 33279 | 33791 |
| 8800 | 8900 | 131 | 133 | 33791 | 34303 |
| 8900 | 9000 | 133 | 135 | 34303 | 34815 |
| 9000 | 9100 | 135 | 137 | 34815 | 35327 |
| 9100 | 9200 | 137 | 139 | 35327 | 35839 |
| 9200 | 9300 | 139 | 141 | 35839 | 36351 |
| 9300 | 9400 | 141 | 143 | 36351 | 36863 |
| 9400 | 9500 | 143 | 145 | 36863 | 37375 |
| 9500 | 9600 | 145 | 147 | 37375 | 37887 |
| 9600 | 9700 | 147 | 149 | 37887 | 38399 |
| 9700 | 9800 | 149 | 151 | 38399 | 38911 |
| 9800 | 9900 | 151 | 153 | 38911 | 39423 |
| 9900 | 10000 | 153 | 155 | 39423 | 39935 |
| 10000 | 10100 | 155 | 157 | 39935 | 40447 |
| 10100 | 10200 | 157 | 159 | 40447 | 40959 |
| 10200 | 10300 | 159 | 161 | 40959 | 41471 |
| 10300 | 10400 | 161 | 163 | 41471 | 41983 |
| 10400 | 10500 | 163 | 165 | 41983 | 42495 |
| 10500 | 10600 | 165 | 167 | 42495 | 43007 |
| 10600 | 10700 | 167 | 169 | 43007 | 43519 |
| 10700 | 10800 | 169 | 171 | 43519 | 44031 |
| 10800 | 10900 | 171 | 173 | 44031 | 44543 |
| 10900 | 11000 | 173 | 175 | 44543 | 45055 |
| 11000 | 11100 | 175 | 177 | 45055 | 45567 |
| 11100 | 11200 | 177 | 179 | 45567 | 46079 |
| 11200 | 11300 | 179 | 181 | 46079 | 46591 |
| 11300 | 11400 | 181 | 183 | 46591 | 47103 |
| 11400 | 11500 | 183 | 185 | 47103 | 47615 |
| 11500 | 11600 | 185 | 187 | 47615 | 48127 |
| 11600 | 11700 | 187 | 189 | 48127 | 48639 |
| 11700 | 11800 | 189 | 191 | 48639 | 49151 |
| 11800 | 11900 | 191 | 193 | 49151 | 49663 |
| 11900 | 12000 | 193 | 195 | 49663 | 50175 |
| 12000 | 12100 | 195 | 197 | 50175 | 50687 |
| 12100 | 12200 | 197 | 199 | 50687 | 51199 |
| 12200 | 12300 | 199 | 201 | 51199 | 51711 |
| 12300 | 12400 | 201 | 203 | 51711 | 52223 |
| 12400 | 12500 | 203 | 205 | 52223 | 52735 |
| 12500 | 12600 | 205 | 207 | 52735 | 53247 |
| 12600 | 12700 | 207 | 209 | 53247 | 53759 |
| 12700 | 12800 | 209 | 211 | 53759 | 54271 |
| 12800 | 12900 | 211 | 213 | 54271 | 54783 |
| 12900 | 13000 | 213 | 215 | 54783 | 55295 |
| 13000 | 13100 | 215 | 217 | 55295 | 55807 |
| 13100 | 13200 | 217 | 219 | 55807 | 56319 |
| 13200 | 13300 | 219 | 221 | 56319 | 56831 |
| 13300 | 13400 | 221 | 223 | 56831 | 57343 |
| 13400 | 13500 | 223 | 225 | 57343 | 57855 |
| 13500 | 13600 | 225 | 227 | 57855 | 58367 |
| 13600 | 13700 | 227 | 229 | 58367 | 58879 |
| 13700 | 13800 | 229 | 231 | 58879 | 59391 |
| 13800 | 13900 | 231 | 233 | 59391 | 59903 |
| 13900 | 14000 | 233 | 235 | 59903 | 60415 |
| 14000 | 14100 | 235 | 237 | 60415 | 60927 |
| 14100 | 14200 | 237 | 239 | 60927 | 61439 |
| 14200 | 14300 | 239 | 241 | 61439 | 61951 |
| 14300 | 14400 | 241 | 243 | 61951 | 62463 |
| 14400 | 14500 | 243 | 245 | 62463 | 62975 |
| 14500 | 14600 | 245 | 247 | 62975 | 63487 |
| 14600 | 14700 | 247 | 249 | 63487 | 63999 |
| 14700 | 14800 | 249 | 251 | 63999 | 64511 |
| 14800 | 14900 | 251 | 253 | 64511 | 65023 |
| 14900 | 15000 | 253 | 255 | 65023 | 65535 |

**CCT (Range Selector @ 2800K - 10000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 2800 | 2900 | 0 | 4 | 0 | 910 |
| 2900 | 3000 | 4 | 7 | 910 | 1820 |
| 3000 | 3100 | 7 | 11 | 1820 | 2731 |
| 3100 | 3200 | 11 | 14 | 2731 | 3641 |
| 3200 | 3300 | 14 | 18 | 3641 | 4551 |
| 3300 | 3400 | 18 | 21 | 4551 | 5461 |
| 3400 | 3500 | 21 | 25 | 5461 | 6371 |
| 3500 | 3600 | 25 | 28 | 6371 | 7282 |
| 3600 | 3700 | 28 | 32 | 7282 | 8192 |
| 3700 | 3800 | 32 | 35 | 8192 | 9102 |
| 3800 | 3900 | 35 | 39 | 9102 | 10012 |
| 3900 | 4000 | 39 | 43 | 10012 | 10923 |
| 4000 | 4100 | 43 | 46 | 10923 | 11833 |
| 4100 | 4200 | 46 | 50 | 11833 | 12743 |
| 4200 | 4300 | 50 | 53 | 12743 | 13653 |
| 4300 | 4400 | 53 | 57 | 13653 | 14563 |
| 4400 | 4500 | 57 | 60 | 14563 | 15474 |
| 4500 | 4600 | 60 | 64 | 15474 | 16384 |
| 4600 | 4700 | 64 | 67 | 16384 | 17294 |
| 4700 | 4800 | 67 | 71 | 17294 | 18204 |
| 4800 | 4900 | 71 | 74 | 18204 | 19114 |
| 4900 | 5000 | 74 | 78 | 19114 | 20025 |
| 5000 | 5100 | 78 | 81 | 20025 | 20935 |
| 5100 | 5200 | 81 | 85 | 20935 | 21845 |
| 5200 | 5300 | 85 | 89 | 21845 | 22755 |
| 5300 | 5400 | 89 | 92 | 22755 | 23665 |
| 5400 | 5500 | 92 | 96 | 23665 | 24576 |
| 5500 | 5600 | 96 | 99 | 24576 | 25486 |
| 5600 | 5700 | 99 | 103 | 25486 | 26396 |
| 5700 | 5800 | 103 | 106 | 26396 | 27306 |
| 5800 | 5900 | 106 | 110 | 27306 | 28216 |
| 5900 | 6000 | 110 | 113 | 28216 | 29127 |
| 6000 | 6100 | 113 | 117 | 29127 | 30037 |
| 6100 | 6200 | 117 | 120 | 30037 | 30947 |
| 6200 | 6300 | 120 | 124 | 30947 | 31857 |
| 6300 | 6400 | 124 | 128 | 31857 | 32768 |
| 6400 | 6500 | 128 | 131 | 32768 | 33678 |
| 6500 | 6600 | 131 | 135 | 33678 | 34588 |
| 6600 | 6700 | 135 | 138 | 34588 | 35498 |
| 6700 | 6800 | 138 | 142 | 35498 | 36408 |
| 6800 | 6900 | 142 | 145 | 36408 | 37319 |
| 6900 | 7000 | 145 | 149 | 37319 | 38229 |
| 7000 | 7100 | 149 | 152 | 38229 | 39139 |
| 7100 | 7200 | 152 | 156 | 39139 | 40049 |
| 7200 | 7300 | 156 | 159 | 40049 | 40959 |
| 7300 | 7400 | 159 | 163 | 40959 | 41870 |
| 7400 | 7500 | 163 | 166 | 41870 | 42780 |
| 7500 | 7600 | 166 | 170 | 42780 | 43690 |
| 7600 | 7700 | 170 | 174 | 43690 | 44600 |
| 7700 | 7800 | 174 | 177 | 44600 | 45510 |
| 7800 | 7900 | 177 | 181 | 45510 | 46421 |
| 7900 | 8000 | 181 | 184 | 46421 | 47331 |
| 8000 | 8100 | 184 | 188 | 47331 | 48241 |
| 8100 | 8200 | 188 | 191 | 48241 | 49151 |
| 8200 | 8300 | 191 | 195 | 49151 | 50061 |
| 8300 | 8400 | 195 | 198 | 50061 | 50972 |
| 8400 | 8500 | 198 | 202 | 50972 | 51882 |
| 8500 | 8600 | 202 | 205 | 51882 | 52792 |
| 8600 | 8700 | 205 | 209 | 52792 | 53702 |
| 8700 | 8800 | 209 | 213 | 53702 | 54613 |
| 8800 | 8900 | 213 | 216 | 54613 | 55523 |
| 8900 | 9000 | 216 | 220 | 55523 | 56433 |
| 9000 | 9100 | 220 | 223 | 56433 | 57343 |
| 9100 | 9200 | 223 | 227 | 57343 | 58253 |
| 9200 | 9300 | 227 | 230 | 58253 | 59164 |
| 9300 | 9400 | 230 | 234 | 59164 | 60074 |
| 9400 | 9500 | 234 | 237 | 60074 | 60984 |
| 9500 | 9600 | 237 | 241 | 60984 | 61894 |
| 9600 | 9700 | 241 | 244 | 61894 | 62804 |
| 9700 | 9800 | 244 | 248 | 62804 | 63715 |
| 9800 | 9900 | 248 | 251 | 63715 | 64625 |
| 9900 | 10000 | 251 | 255 | 64625 | 65535 |

## CCT Range Selector @ 2200K - 20000K)

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 2200 | 2216 | 0 | 1 | 0 | 59 |
| 2216 | 2232 | 1 | 2 | 59 | 118 |
| 2232 | 2248 | 2 | 3 | 118 | 177 |
| 2248 | 2264 | 3 | 4 | 177 | 236 |
| 2264 | 2281 | 4 | 5 | 236 | 298 |
| 2281 | 2297 | 5 | 6 | 298 | 357 |
| 2297 | 2314 | 6 | 7 | 357 | 420 |
| 2314 | 2331 | 7 | 8 | 420 | 482 |
| 2331 | 2348 | 8 | 9 | 482 | 545 |
| 2348 | 2365 | 9 | 10 | 545 | 607 |
| 2365 | 2382 | 10 | 11 | 607 | 670 |
| 2382 | 2399 | 11 | 12 | 670 | 733 |
| 2399 | 2417 | 12 | 13 | 733 | 799 |
| 2417 | 2434 | 13 | 14 | 799 | 862 |
| 2434 | 2452 | 14 | 15 | 862 | 928 |
| 2452 | 2469 | 15 | 16 | 928 | 990 |
| 2469 | 2487 | 16 | 17 | 990 | 1057 |
| 2487 | 2505 | 17 | 18 | 1057 | 1123 |
| 2505 | 2524 | 18 | 19 | 1123 | 1193 |
| 2524 | 2542 | 19 | 20 | 1193 | 1259 |
| 2542 | 2560 | 20 | 21 | 1259 | 1325 |
| 2560 | 2579 | 21 | 22 | 1325 | 1395 |
| 2579 | 2598 | 22 | 23 | 1395 | 1465 |
| 2598 | 2616 | 23 | 24 | 1465 | 1532 |
| 2616 | 2635 | 24 | 25 | 1532 | 1602 |
| 2635 | 2654 | 25 | 26 | 1602 | 1672 |
| 2654 | 2674 | 26 | 27 | 1672 | 1745 |
| 2674 | 2693 | 27 | 28 | 1745 | 1815 |
| 2693 | 2713 | 28 | 29 | 1815 | 1889 |
| 2713 | 2732 | 29 | 30 | 1889 | 1959 |
| 2732 | 2752 | 30 | 31 | 1959 | 2032 |
| 2752 | 2772 | 31 | 32 | 2032 | 2106 |
| 2772 | 2792 | 32 | 33 | 2106 | 2180 |
| 2792 | 2812 | 33 | 34 | 2180 | 2253 |
| 2812 | 2833 | 34 | 35 | 2253 | 2331 |
| 2833 | 2853 | 35 | 36 | 2331 | 2404 |
| 2853 | 2874 | 36 | 37 | 2404 | 2481 |
| 2874 | 2895 | 37 | 38 | 2481 | 2559 |
| 2895 | 2916 | 38 | 39 | 2559 | 2636 |
| 2916 | 2937 | 39 | 40 | 2636 | 2713 |
| 2937 | 2958 | 40 | 41 | 2713 | 2791 |
| 2958 | 2980 | 41 | 42 | 2791 | 2872 |
| 2980 | 3001 | 42 | 43 | 2872 | 2949 |
| 3001 | 3023 | 43 | 44 | 2949 | 3030 |
| 3023 | 3045 | 44 | 45 | 3030 | 3111 |
| 3045 | 3067 | 45 | 46 | 3111 | 3192 |
| 3067 | 3089 | 46 | 47 | 3192 | 3273 |
| 3089 | 3112 | 47 | 48 | 3273 | 3358 |
| 3112 | 3134 | 48 | 49 | 3358 | 3439 |
| 3134 | 3157 | 49 | 50 | 3439 | 3523 |
| 3157 | 3180 | 50 | 51 | 3523 | 3608 |
| 3180 | 3203 | 51 | 52 | 3608 | 3693 |
| 3203 | 3226 | 52 | 53 | 3693 | 3777 |
| 3226 | 3249 | 53 | 54 | 3777 | 3862 |
| 3249 | 3273 | 54 | 55 | 3862 | 3951 |
| 3273 | 3297 | 55 | 56 | 3951 | 4039 |
| 3297 | 3321 | 56 | 57 | 4039 | 4127 |
| 3321 | 3345 | 57 | 58 | 4127 | 4216 |
| 3345 | 3369 | 58 | 59 | 4216 | 4304 |
| 3369 | 3393 | 59 | 60 | 4304 | 4392 |
| 3393 | 3418 | 60 | 61 | 4392 | 4484 |
| 3418 | 3443 | 61 | 62 | 4484 | 4576 |
| 3443 | 3468 | 62 | 63 | 4576 | 4668 |
| 3468 | 3493 | 63 | 64 | 4668 | 4760 |
| 3493 | 3518 | 64 | 65 | 4760 | 4853 |
| 3518 | 3544 | 65 | 66 | 4853 | 4948 |
| 3544 | 3569 | 66 | 67 | 4948 | 5040 |
| 3569 | 3595 | 67 | 68 | 5040 | 5136 |
| 3595 | 3621 | 68 | 69 | 5136 | 5232 |
| 3621 | 3647 | 69 | 70 | 5232 | 5327 |
| 3647 | 3674 | 70 | 71 | 5327 | 5427 |
| 3674 | 3700 | 71 | 72 | 5427 | 5523 |
| 3700 | 3727 | 72 | 73 | 5523 | 5622 |
| 3727 | 3754 | 73 | 74 | 5622 | 5721 |
| 3754 | 3782 | 74 | 75 | 5721 | 5825 |
| 3782 | 3809 | 75 | 76 | 5825 | 5924 |
| 3809 | 3837 | 76 | 77 | 5924 | 6027 |
| 3837 | 3864 | 77 | 78 | 6027 | 6126 |
| 3864 | 3892 | 78 | 79 | 6126 | 6230 |
| 3892 | 3921 | 79 | 80 | 6230 | 6336 |
| 3921 | 3949 | 80 | 81 | 6336 | 6439 |
| 3949 | 3978 | 81 | 82 | 6439 | 6546 |
| 3978 | 4006 | 82 | 83 | 6546 | 6649 |
| 4006 | 4036 | 83 | 84 | 6649 | 6760 |
| 4036 | 4065 | 84 | 85 | 6760 | 6866 |
| 4065 | 4094 | 85 | 86 | 6866 | 6973 |
| 4094 | 4124 | 86 | 87 | 6973 | 7084 |
| 4124 | 4154 | 87 | 88 | 7084 | 7194 |
| 4154 | 4184 | 88 | 89 | 7194 | 7305 |
| 4184 | 4214 | 89 | 90 | 7305 | 7415 |
| 4214 | 4245 | 90 | 91 | 7415 | 7529 |
| 4245 | 4276 | 91 | 92 | 7529 | 7643 |
| 4276 | 4307 | 92 | 93 | 7643 | 7757 |
| 4307 | 4338 | 93 | 94 | 7757 | 7872 |
| 4338 | 4369 | 94 | 95 | 7872 | 7986 |
| 4369 | 4401 | 95 | 96 | 7986 | 8104 |
| 4401 | 4433 | 96 | 97 | 8104 | 8221 |
| 4433 | 4465 | 97 | 98 | 8221 | 8339 |
| 4465 | 4497 | 98 | 99 | 8339 | 8457 |
| 4497 | 4530 | 99 | 100 | 8457 | 8578 |
| 4530 | 4563 | 100 | 101 | 8578 | 8700 |
| 4563 | 4596 | 101 | 102 | 8700 | 8821 |
| 4596 | 4629 | 102 | 103 | 8821 | 8943 |
| 4629 | 4663 | 103 | 104 | 8943 | 9068 |
| 4663 | 4696 | 104 | 105 | 9068 | 9190 |

**CCT Range Selector @ 2200K - 20000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 4696 | 4730 | 105 | 106 | 9190 | 9315 |
| 4730 | 4765 | 106 | 107 | 9315 | 9444 |
| 4765 | 4799 | 107 | 108 | 9444 | 9569 |
| 4799 | 4834 | 108 | 109 | 9569 | 9698 |
| 4834 | 4869 | 109 | 110 | 9698 | 9827 |
| 4869 | 4904 | 110 | 111 | 9827 | 9955 |
| 4904 | 4940 | 111 | 112 | 9955 | 10088 |
| 4940 | 4976 | 112 | 113 | 10088 | 10221 |
| 4976 | 5012 | 113 | 114 | 10221 | 10353 |
| 5012 | 5048 | 114 | 115 | 10353 | 10486 |
| 5048 | 5085 | 115 | 116 | 10486 | 10622 |
| 5085 | 5122 | 116 | 117 | 10622 | 10758 |
| 5122 | 5159 | 117 | 118 | 10758 | 10894 |
| 5159 | 5196 | 118 | 119 | 10894 | 11030 |
| 5196 | 5234 | 119 | 120 | 11030 | 11170 |
| 5234 | 5272 | 120 | 121 | 11170 | 11310 |
| 5272 | 5310 | 121 | 122 | 11310 | 11450 |
| 5310 | 5348 | 122 | 123 | 11450 | 11590 |
| 5348 | 5387 | 123 | 124 | 11590 | 11734 |
| 5387 | 5426 | 124 | 125 | 11734 | 11877 |
| 5426 | 5466 | 125 | 126 | 11877 | 12025 |
| 5466 | 5505 | 126 | 127 | 12025 | 12168 |
| 5505 | 5545 | 127 | 128 | 12168 | 12315 |
| 5545 | 5585 | 128 | 129 | 12315 | 12463 |
| 5585 | 5626 | 129 | 130 | 12463 | 12614 |
| 5626 | 5667 | 130 | 131 | 12614 | 12765 |
| 5667 | 5708 | 131 | 132 | 12765 | 12916 |
| 5708 | 5749 | 132 | 133 | 12916 | 13067 |
| 5749 | 5791 | 133 | 134 | 13067 | 13221 |
| 5791 | 5833 | 134 | 135 | 13221 | 13376 |
| 5833 | 5875 | 135 | 136 | 13376 | 13530 |
| 5875 | 5917 | 136 | 137 | 13530 | 13685 |
| 5917 | 5960 | 137 | 138 | 13685 | 13843 |
| 5960 | 6004 | 138 | 139 | 13843 | 14005 |
| 6004 | 6047 | 139 | 140 | 14005 | 14164 |
| 6047 | 6091 | 140 | 141 | 14164 | 14326 |
| 6091 | 6135 | 141 | 142 | 14326 | 14488 |
| 6135 | 6180 | 142 | 143 | 14488 | 14653 |
| 6180 | 6224 | 143 | 144 | 14653 | 14815 |
| 6224 | 6269 | 144 | 145 | 14815 | 14981 |
| 6269 | 6315 | 145 | 146 | 14981 | 15150 |
| 6315 | 6361 | 146 | 147 | 15150 | 15320 |
| 6361 | 6407 | 147 | 148 | 15320 | 15489 |
| 6407 | 6453 | 148 | 149 | 15489 | 15658 |
| 6453 | 6500 | 149 | 150 | 15658 | 15831 |
| 6500 | 6570 | 150 | 151 | 15831 | 16089 |
| 6570 | 6641 | 151 | 152 | 16089 | 16351 |
| 6641 | 6712 | 152 | 153 | 16351 | 16612 |
| 6712 | 6784 | 153 | 154 | 16612 | 16877 |
| 6784 | 6857 | 154 | 155 | 16877 | 17146 |
| 6857 | 6931 | 155 | 156 | 17146 | 17418 |
| 6931 | 7006 | 156 | 157 | 17418 | 17694 |
| 7006 | 7081 | 157 | 158 | 17694 | 17971 |
| 7081 | 7157 | 158 | 159 | 17971 | 18250 |
| 7157 | 7234 | 159 | 160 | 18250 | 18534 |
| 7234 | 7312 | 160 | 161 | 18534 | 18821 |
| 7312 | 7391 | 161 | 162 | 18821 | 19112 |
| 7391 | 7470 | 162 | 163 | 19112 | 19403 |
| 7470 | 7551 | 163 | 164 | 19403 | 19701 |
| 7551 | 7632 | 164 | 165 | 19701 | 19999 |
| 7632 | 7714 | 165 | 166 | 19999 | 20301 |
| 7714 | 7797 | 166 | 167 | 20301 | 20607 |
| 7797 | 7881 | 167 | 168 | 20607 | 20916 |
| 7881 | 7966 | 168 | 169 | 20916 | 21229 |
| 7966 | 8052 | 169 | 170 | 21229 | 21546 |
| 8052 | 8138 | 170 | 171 | 21546 | 21862 |
| 8138 | 8226 | 171 | 172 | 21862 | 22186 |
| 8226 | 8314 | 172 | 173 | 22186 | 22510 |
| 8314 | 8404 | 173 | 174 | 22510 | 22842 |
| 8404 | 8494 | 174 | 175 | 22842 | 23173 |
| 8494 | 8586 | 175 | 176 | 23173 | 23512 |
| 8586 | 8678 | 176 | 177 | 23512 | 23850 |
| 8678 | 8772 | 177 | 178 | 23850 | 24196 |
| 8772 | 8866 | 178 | 179 | 24196 | 24542 |
| 8866 | 8961 | 179 | 180 | 24542 | 24892 |
| 8961 | 9058 | 180 | 181 | 24892 | 25249 |
| 9058 | 9155 | 181 | 182 | 25249 | 25607 |
| 9155 | 9254 | 182 | 183 | 25607 | 25971 |
| 9254 | 9353 | 183 | 184 | 25971 | 26335 |
| 9353 | 9454 | 184 | 185 | 26335 | 26707 |
| 9454 | 9556 | 185 | 186 | 26707 | 27083 |
| 9556 | 9659 | 186 | 187 | 27083 | 27462 |
| 9659 | 9763 | 187 | 188 | 27462 | 27845 |
| 9763 | 9868 | 188 | 189 | 27845 | 28232 |
| 9868 | 9974 | 189 | 190 | 28232 | 28622 |
| 9974 | 10081 | 190 | 191 | 28622 | 29016 |
| 10081 | 10190 | 191 | 192 | 29016 | 29417 |
| 10190 | 10299 | 192 | 193 | 29417 | 29818 |
| 10299 | 10410 | 193 | 194 | 29818 | 30227 |
| 10410 | 10522 | 194 | 195 | 30227 | 30639 |
| 10522 | 10635 | 195 | 196 | 30639 | 31055 |
| 10635 | 10750 | 196 | 197 | 31055 | 31479 |
| 10750 | 10866 | 197 | 198 | 31479 | 31906 |
| 10866 | 10982 | 198 | 199 | 31906 | 32333 |
| 10982 | 11101 | 199 | 200 | 32333 | 32771 |
| 11101 | 11220 | 200 | 201 | 32771 | 33209 |
| 11220 | 11341 | 201 | 202 | 33209 | 33655 |
| 11341 | 11463 | 202 | 203 | 33655 | 34104 |
| 11463 | 11586 | 203 | 204 | 34104 | 34557 |
| 11586 | 11711 | 204 | 205 | 34557 | 35017 |
| 11711 | 11837 | 205 | 206 | 35017 | 35481 |
| 11837 | 11964 | 206 | 207 | 35481 | 35949 |
| 11964 | 12093 | 207 | 208 | 35949 | 36423 |
| 12093 | 12223 | 208 | 209 | 36423 | 36902 |
| 12223 | 12355 | 209 | 210 | 36902 | 37388 |

**CCT Range Selector @ 2200K - 20000K)**

| CCT (K) | | 8 bit value | | 16 bit value | |
|---|---|---|---|---|---|
| From | To | From | To | From | To |
| 12355 | 12488 | 210 | 211 | 37388 | 37878 |
| 12488 | 12622 | 211 | 212 | 37878 | 38371 |
| 12622 | 12758 | 212 | 213 | 38371 | 38872 |
| 12758 | 12895 | 213 | 214 | 38872 | 39376 |
| 12895 | 13034 | 214 | 215 | 39376 | 39888 |
| 13034 | 13174 | 215 | 216 | 39888 | 40403 |
| 13174 | 13316 | 216 | 217 | 40403 | 40926 |
| 13316 | 13459 | 217 | 218 | 40926 | 41453 |
| 13459 | 13604 | 218 | 219 | 41453 | 41987 |
| 13604 | 13751 | 219 | 220 | 41987 | 42528 |
| 13751 | 13899 | 220 | 221 | 42528 | 43073 |
| 13899 | 14048 | 221 | 222 | 43073 | 43621 |
| 14048 | 14199 | 222 | 223 | 43621 | 44177 |
| 14199 | 14352 | 223 | 224 | 44177 | 44741 |
| 14352 | 14507 | 224 | 225 | 44741 | 45311 |
| 14507 | 14663 | 225 | 226 | 45311 | 45886 |
| 14663 | 14821 | 226 | 227 | 45886 | 46467 |
| 14821 | 14980 | 227 | 228 | 46467 | 47053 |
| 14980 | 15141 | 228 | 229 | 47053 | 47645 |
| 15141 | 15304 | 229 | 230 | 47645 | 48246 |
| 15304 | 15469 | 230 | 231 | 48246 | 48853 |
| 15469 | 15635 | 231 | 232 | 48853 | 49464 |
| 15635 | 15804 | 232 | 233 | 49464 | 50086 |
| 15804 | 15974 | 233 | 234 | 50086 | 50712 |
| 15974 | 16146 | 234 | 235 | 50712 | 51346 |
| 16146 | 16319 | 235 | 236 | 51346 | 51983 |
| 16319 | 16495 | 236 | 237 | 51983 | 52630 |
| 16495 | 16673 | 237 | 238 | 52630 | 53286 |
| 16673 | 16852 | 238 | 239 | 53286 | 53945 |
| 16852 | 17033 | 239 | 240 | 53945 | 54611 |
| 17033 | 17217 | 240 | 241 | 54611 | 55289 |
| 17217 | 17402 | 241 | 242 | 55289 | 55970 |
| 17402 | 17589 | 242 | 243 | 55970 | 56658 |
| 17589 | 17778 | 243 | 244 | 56658 | 57354 |
| 17778 | 17970 | 244 | 245 | 57354 | 58061 |
| 17970 | 18163 | 245 | 246 | 58061 | 58772 |
| 18163 | 18359 | 246 | 247 | 58772 | 59493 |
| 18359 | 18556 | 247 | 248 | 59493 | 60219 |
| 18556 | 18756 | 248 | 249 | 60219 | 60955 |
| 18756 | 18958 | 249 | 250 | 60955 | 61699 |
| 18958 | 19162 | 250 | 251 | 61699 | 62450 |
| 19162 | 19368 | 251 | 252 | 62450 | 63208 |
| 19368 | 19576 | 252 | 253 | 63208 | 63974 |
| 19576 | 19787 | 253 | 254 | 63974 | 64751 |
| 19787 | 20000 | 254 | 255 | 64751 | 65535 |

**Crossfade from Layer A to Layer B**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Crossfade from LAYER A to LAYER B | 0 | 255 | 0 | 65535 | Default @ 0 Linear Crossfade from A to B<br>Available crossfade:<br>CCT to RGB<br>RGB to GEL<br>CCT to XY<br>CCT to RAW<br>CCT to GEL<br>GEL to RAW |

**Gel Source Lamp CCT**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| 2700K | 0 | 9 | - | - | Default @ 0 |
| 2800K | 10 | 19 | - | - | |
| 3000K | 20 | 29 | - | - | |
| 3200K | 30 | 39 | - | - | |
| 4000K | 40 | 49 | - | - | |
| 5000K | 50 | 59 | - | - | |
| 5600K | 60 | 69 | - | - | |
| 6500K | 70 | 79 | - | - | |
| Blackout | 80 | 89 | - | - | |
| Reserved | 90 | 255 | - | - | |

**GEL Brand / Category Selector**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| LEE: Color correction | 0 | 9 | - | - | Default @ 0 |
| LEE:Color Filters | 10 | 19 | - | - | |
| LEE: 600 Series | 20 | 29 | - | - | |
| LEE: Cosmetic Filters | 30 | 39 | - | - | |
| LEE: 700 Series | 40 | 49 | - | - | |
| RC: Color correction | 50 | 59 | - | - | |
| RC: CalC | 60 | 69 | - | - | |
| RC: StSelection | 70 | 79 | - | - | |
| RC: C-Lux | 80 | 89 | - | - | |
| Blackout | 90 | 99 | - | - | |
| Reserved | 100 | 255 | - | - | |

**Category | Lee: Color Correction**

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| Double CTB | 0 | 1 | 200 |
| Full CTB | 2 | 3 | 201 |
| 3/4 CTB | 4 | 5 | 281 |
| 1/2 CTB | 6 | 7 | 202 |
| 1/4 CTB | 8 | 9 | 203 |
| 1/8 CTB | 10 | 11 | 218 |
| Double CTO | 12 | 13 | 287 |
| Full CTO | 14 | 15 | 204 |
| 3/4 CTO | 16 | 17 | 285 |
| 1/2 CTO | 18 | 19 | 205 |
| 1/4 CTO | 20 | 21 | 206 |
| 1/8 CTO | 22 | 23 | 223 |
| 1 1/2 CTB | 24 | 25 | 283 |
| 1 1/2 CTO | 26 | 27 | 286 |
| Full CTS | 28 | 29 | 441 |
| 1/2 CTS | 30 | 31 | 442 |
| 1/4 CTS | 32 | 33 | 443 |
| 1/8 CTS | 34 | 35 | 444 |
| Full CTO + .3 ND | 36 | 37 | 207 |
| Full CTO + .6 ND | 38 | 39 | 208 |
| L.C.T. Yellow (Y1) | 40 | 41 | 212 |
| White Flame Green | 42 | 43 | 213 |
| LEE Fluorescent Green | 44 | 45 | 219 |
| Super Correction L.C.T. Yellow | 46 | 47 | 230 |
| Super Correction W.F. Green | 48 | 49 | 232 |
| H.M.I. (to Tungsten) | 50 | 51 | 236 |
| C.I.D. (to Tungsten) | 52 | 53 | 237 |
| C.S.I. (to Tungsten) | 54 | 55 | 238 |
| LEE Fluorescent 5700 Kelvin | 56 | 57 | 241 |
| LEE Fluorescent 4300 Kelvin | 58 | 59 | 242 |
| LEE Fluorescent 3600 Kelvin | 60 | 61 | 243 |
| LEE Plus Green | 62 | 63 | 244 |
| 1/2 Plus Green | 64 | 65 | 245 |
| 1/4 Plus Green | 66 | 67 | 246 |
| 1/8 Plus Green | 68 | 69 | 278 |
| Lee Minus Green | 70 | 71 | 247 |
| 1/2 Minus Green | 72 | 73 | 248 |
| 1/4 Minus Green | 74 | 75 | 249 |
| 1/8 Minus Green | 76 | 77 | 279 |
| Blackout | 78 | 79 | - |
| Reserved | 80 | 255 | - |

**Category | Lee: Color Filters**

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| Rose Pink | 0 | 1 | 2 |
| Lavender Tint | 2 | 3 | 3 |
| Medium Bastard Amber | 4 | 5 | 4 |
| Pale Yellow | 6 | 7 | 7 |
| Dark Salmon | 8 | 9 | 8 |
| Pale Amber Gold | 10 | 11 | 9 |
| Medium Yellow | 12 | 13 | 10 |
| Straw Tint | 14 | 15 | 13 |
| Surprise Peach | 16 | 17 | 17 |
| Fire | 18 | 19 | 19 |
| Medium Amber | 20 | 21 | 20 |
| Gold Amber | 22 | 23 | 21 |
| Dark Amber | 24 | 25 | 22 |
| Scarlet | 26 | 27 | 24 |
| Sunset Red | 28 | 29 | 25 |
| Bright Red | 30 | 31 | 26 |
| Light Pink | 32 | 33 | 35 |
| Medium Pink | 34 | 35 | 36 |
| Dark Magenta | 36 | 37 | 46 |
| Rose Purple | 38 | 39 | 48 |
| Light Lavender | 40 | 41 | 52 |
| Paler Lavender | 42 | 43 | 53 |
| Lavender | 44 | 45 | 58 |
| Mist Blue | 46 | 47 | 61 |
| Pale Blue | 48 | 49 | 63 |
| Sky Blue | 50 | 51 | 68 |
| Evening Blue | 52 | 53 | 75 |
| Just Blue | 54 | 55 | 79 |
| Deeper Blue | 56 | 57 | 85 |
| Lime Green | 58 | 59 | 88 |
| Moss Green | 60 | 61 | 89 |
| Dark Yellow Green | 62 | 63 | 90 |
| Spring Yellow | 64 | 65 | 100 |
| Yellow | 66 | 67 | 101 |
| Light Amber | 68 | 69 | 102 |
| Straw | 70 | 71 | 103 |
| Deep Amber | 72 | 73 | 104 |
| Primary Red | 74 | 75 | 106 |
| Light Rose | 76 | 77 | 107 |
| English Rose | 78 | 79 | 108 |
| Light Salmon | 80 | 81 | 109 |
| Middle Rose | 82 | 83 | 110 |
| Dark Pink | 84 | 85 | 111 |
| Magenta | 86 | 87 | 113 |
| Peacock Blue | 88 | 89 | 115 |
| Steel Blue | 90 | 91 | 117 |
| Light Blue | 92 | 93 | 118 |
| Deep Blue | 94 | 95 | 120 |
| LEE Green | 96 | 97 | 121 |
| Fern Green | 98 | 99 | 122 |
| Dark Green | 100 | 101 | 124 |

**Category | Lee: Color Filters**

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| Smokey Pink | 102 | 103 | 127 |
| Bright Pink | 104 | 105 | 128 |
| Marine Blue | 106 | 107 | 131 |
| Golden Amber | 108 | 109 | 134 |
| Deep Golden Amber | 110 | 111 | 135 |
| Pale Lavender | 112 | 113 | 136 |
| Special Lavender | 114 | 115 | 137 |
| Pale Green | 116 | 117 | 138 |
| Summer Blue | 118 | 119 | 140 |
| Pale Violet | 120 | 121 | 142 |
| Pale Navy Blue | 122 | 123 | 143 |
| No Color Blue | 124 | 125 | 144 |
| Apricot | 126 | 127 | 147 |
| Bright Rose | 128 | 129 | 148 |
| Gold Tint | 130 | 131 | 151 |
| Pale Gold | 132 | 133 | 152 |
| Pale Salmon | 134 | 135 | 153 |
| Pale Rose | 136 | 137 | 154 |
| Chocolate | 138 | 139 | 156 |
| Pink | 140 | 141 | 157 |
| No Color Straw | 142 | 143 | 159 |
| Slate Blue | 144 | 145 | 161 |
| Bastard Amber | 146 | 147 | 162 |
| Flame Red | 148 | 149 | 164 |
| Daylight Blue | 150 | 151 | 165 |
| Lilac Tint | 152 | 153 | 169 |
| Deep Lavender | 154 | 155 | 170 |
| Dark Steel Blue | 156 | 157 | 174 |
| Loving Amber | 158 | 159 | 176 |
| Dark Lavender | 160 | 161 | 180 |
| Light Red | 162 | 163 | 182 |
| Flesh Pink | 164 | 165 | 192 |
| Surprise Pink | 166 | 167 | 194 |
| Zenith Blue | 168 | 169 | 195 |
| True Blue | 170 | 171 | 196 |
| Alice Blue | 172 | 173 | 197 |
| Palace Blue | 174 | 175 | 198 |
| Regal Blue | 176 | 177 | 199 |
| Blackout | 178 | 179 | - |
| Reserved | 180 | 255 | - |

**Category | Lee: 600 Series**

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| Arctic White | 0 | 1 | 600 |
| Silver | 2 | 3 | 601 |
| Platinum | 4 | 5 | 602 |
| Moonlight White | 6 | 7 | 603 |
| Full CT 85 | 8 | 9 | 604 |
| Industry Sodium | 10 | 11 | 650 |
| HI Sodium | 12 | 13 | 651 |
| Urban Sodium | 14 | 15 | 652 |
| LO Sodium | 16 | 17 | 653 |
| Blackout | 18 | 19 | - |
| Reserved | 20 | 255 | - |

**Category | Lee: Cosmetic Filters**

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

**Category | Lee: 700 Series**

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| Perfect Lavender | 0 | 1 | 700 |
| Provence | 2 | 3 | 701 |
| Special Pale Lavender | 4 | 5 | 702 |
| Cold Lavender | 6 | 7 | 703 |
| Lily | 8 | 9 | 704 |
| King Fals Lavender | 10 | 11 | 706 |
| Cool Lavender | 12 | 13 | 708 |
| Electric Lilac | 14 | 15 | 709 |
| Spir Special Blue | 16 | 17 | 710 |
| Cold Blue | 18 | 19 | 711 |
| Bedford Blue | 20 | 21 | 712 |
| Elysian Blue | 22 | 23 | 714 |
| Cabana Blue | 24 | 25 | 715 |
| Mikkel Blue | 26 | 27 | 716 |
| Colour Wash Blue | 28 | 29 | 719 |
| Berry Blue | 30 | 31 | 721 |
| Virgin Blue | 32 | 33 | 723 |
| Ocean Blue | 34 | 35 | 724 |
| Old Steel Blue | 36 | 37 | 725 |
| Steel Green | 38 | 39 | 728 |
| Liberty Green | 40 | 41 | 730 |
| Dirty Ice | 42 | 43 | 731 |
| Damp Squib | 44 | 45 | 733 |
| JAS Green | 46 | 47 | 738 |
| Bram Brown | 48 | 49 | 742 |
| Dirty White | 50 | 51 | 744 |
| Brown | 52 | 53 | 746 |
| Easy White | 54 | 55 | 747 |
| Seedy Pink | 56 | 57 | 748 |
| Wheat | 58 | 59 | 763 |
| Sun Colour Straw | 60 | 61 | 764 |
| LEE Yellow | 62 | 63 | 765 |
| Cardbox Amber | 64 | 65 | 773 |
| Nectarine | 66 | 67 | 776 |
| Millenium Gold | 68 | 69 | 778 |
| Bastard Pink | 70 | 71 | 779 |
| Terry Red | 72 | 73 | 781 |
| Blood Red | 74 | 75 | 789 |
| Moroccan Pink | 76 | 77 | 790 |
| Pretty n'Pink | 78 | 79 | 794 |
| Magical Magenta | 80 | 81 | 795 |
| Blackout | 82 | 83 | - |
| Reserved | 84 | 255 | - |

**Category | Rc: Color Correction**

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| Full CTB | 0 | 1 | 3202 |
| 3/4 CTB | 2 | 3 | 3203 |
| 1/2 CTB | 4 | 5 | 3204 |
| 1/3 CTB | 6 | 7 | 3206 |
| 1/4 CTB | 8 | 9 | 3208 |
| 1/8 CTB | 10 | 11 | 3216 |
| Double CTB | 12 | 13 | 3220 |
| Full CTO | 14 | 15 | 3407 |
| 3/4 CTO | 16 | 17 | 3411 |
| 1/2 CTO | 18 | 19 | 3408 |
| 1/4 CTO | 20 | 21 | 3409 |
| 1/8 CTO | 22 | 23 | 3410 |
| Double CTO | 24 | 25 | 3420 |
| Full CTS | 26 | 27 | 3441 |
| 1/2 CTS | 28 | 29 | 3442 |
| 1/4 CTS | 30 | 31 | 3443 |
| 1/8 CTS | 32 | 33 | 3444 |
| Full Plusgreen | 34 | 35 | 3304 |
| 1/2 Plusgreen | 36 | 37 | 3315 |
| 1/4 Plusgreen | 38 | 39 | 3316 |
| 1/8 Plusgreen | 40 | 41 | 3317 |
| Full Minusgreen | 42 | 43 | 3308 |
| 3/4 Minusgreen | 44 | 45 | 3309 |
| 1/2 Minusgreen | 46 | 47 | 3313 |
| 1/4 Minusgreen | 48 | 49 | 3314 |
| 1/8 Minusgreen | 50 | 51 | 3318 |
| Fluorofilter | 52 | 53 | 3310 |
| Industrial Vapor | 54 | 55 | 3150 |
| Urban Vapor | 56 | 57 | 3152 |
| Tough Y-1 | 58 | 59 | 3107 |
| Tough MT 54 | 60 | 61 | 3134 |
| Tough MTY | 62 | 63 | 3106 |
| Tough MT2 | 64 | 65 | 3102 |
| Blackout | 66 | 67 | - |
| Reserved | 68 | 255 | - |

### Category | Rc: CalC

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| 15 Blue | 0 | 1 | 4215 |
| 30 Blue | 2 | 3 | 4230 |
| 60 Blue | 4 | 5 | 4260 |
| 90 Blue | 6 | 7 | 4290 |
| 7 Cyan | 8 | 9 | 4307 |
| 15 Cyan | 10 | 11 | 4315 |
| 30 Cyan | 12 | 13 | 4330 |
| 60 Cyan | 14 | 15 | 4360 |
| 90 Cyan | 16 | 17 | 4390 |
| 15 Green | 18 | 19 | 4415 |
| 30 Green | 20 | 21 | 4430 |
| 60 Green | 22 | 23 | 4460 |
| 90 Green | 24 | 25 | 4490 |
| 15 Yellow | 26 | 27 | 4515 |
| 30 Yellow | 28 | 29 | 4530 |
| 60 Yellow | 30 | 31 | 4560 |
| 90 Yellow | 32 | 33 | 4590 |
| 15 Red | 34 | 35 | 4615 |
| 30 Red | 36 | 37 | 4630 |
| 60 Red | 38 | 39 | 4660 |
| 90 Red | 40 | 41 | 4690 |
| 15 Magenta | 42 | 43 | 4715 |
| 30 Magenta | 44 | 45 | 4730 |
| 60 Magenta | 46 | 47 | 4760 |
| 90 Magenta | 48 | 49 | 4790 |
| 15 Pink | 50 | 51 | 4815 |
| 30 Pink | 52 | 53 | 4830 |
| 60 Pink | 54 | 55 | 4860 |
| 90 Pink | 56 | 57 | 4890 |
| 15 Lavender | 58 | 59 | 4915 |
| 30 Lavender | 60 | 61 | 4930 |
| 60 Lavender | 62 | 63 | 4960 |
| 90 Lavender | 64 | 65 | 4990 |
| Blackout | 66 | 67 | - |
| Reserved | 68 | 255 | - |

### Category | Rc: StSelection

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| VS Red | 0 | 1 | 2001 |
| VS Orange | 2 | 3 | 2002 |
| VS Yellow | 4 | 5 | 2003 |
| VS Green | 6 | 7 | 2004 |
| VS Cyan | 8 | 9 | 2005 |
| VS Azure | 10 | 11 | 2006 |
| VS Blue | 12 | 13 | 2007 |
| VS Indigo | 14 | 15 | 2008 |
| VS Violet | 16 | 17 | 2009 |
| VS Magenta | 18 | 19 | 2010 |
| Blackout | 20 | 21 | - |
| Reserved | 22 | 255 | - |

### Category | Rc: C-Lux

| Function | 8 bit value | | Gel # |
|---|---|---|---|
| Gel Name | From | To | |
| Bastard Amber | 0 | 1 | 2 |
| Pale Bastard Amber | 2 | 3 | 302 |
| No Color Straw | 4 | 5 | 6 |
| Pale Gold | 6 | 7 | 8 |
| Daffodil | 8 | 9 | 310 |
| Straw | 10 | 11 | 12 |
| Light Amber | 12 | 13 | 16 |
| Gallo Gold | 14 | 15 | 316 |
| Light Flame | 16 | 17 | 17 |
| Flame | 18 | 19 | 18 |
| Mayan Sun | 20 | 21 | 318 |
| Golden Amber | 22 | 23 | 21 |
| Soft Golden Amber | 24 | 25 | 321 |
| Orange | 26 | 27 | 23 |
| Henny Sky | 28 | 29 | 325 |
| Light Red | 30 | 31 | 26 |
| No Color Pink | 32 | 33 | 33 |
| Blush Pink | 34 | 35 | 333 |
| Flesh Pink | 36 | 37 | 34 |
| Pale Rose Pink | 38 | 39 | 37 |
| Salmon | 40 | 41 | 41 |
| Deep Salmon | 42 | 43 | 42 |
| Middle Rose | 44 | 45 | 44 |
| Light Rose Purple | 46 | 47 | 47 |
| Surprise Pink | 48 | 49 | 51 |
| No Color Blue | 50 | 51 | 60 |
| Clearwater | 52 | 53 | 360 |
| Booster Blue | 54 | 55 | 62 |
| Tipton Blue | 56 | 57 | 362 |
| Blue Bell | 58 | 59 | 364 |
| Daylight Blue | 60 | 61 | 65 |
| Tharon Delft Blue | 62 | 63 | 365 |
| Cerulean Blue | 64 | 65 | 375 |
| Bermuda Blue | 66 | 67 | 376 |
| Green Blue | 68 | 69 | 77 |
| Alice Blue | 70 | 71 | 378 |
| Primary Blue | 72 | 73 | 80 |
| Baldassari Blue | 74 | 75 | 381 |
| Medium Blue | 76 | 77 | 83 |
| Pale Yellow Green | 78 | 79 | 87 |
| Light Green | 80 | 81 | 88 |
| Moss Green | 82 | 83 | 89 |
| Primary Green | 84 | 85 | 91 |
| Turquoise | 86 | 87 | 92 |
| Blue Green | 88 | 89 | 93 |
| Chocolate | 90 | 91 | 99 |
| Blackout | 92 | 93 | - |
| Reserved | 94 | 255 | - |

**Red / Green / Blue / PC Amber / Lime / RoyalBlue**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Red | 0 | 255 | 0 | 65535 | Default @ 255 (8bit) / 65535 (16bit) |

**X - Y**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Linear 0.0000 - 0.8500 | 0 | 255 | 0 | 65535 | Default @ 0 |

**White Point Selector**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Default | 0 | 1 | 0 | 511 | Default @ 0, From Color Space Definition on the device |
| Dynamic | 2 | 255 | 512 | 65535 | 2800K - 10000K |

**Dynamic White Point 2800K - 10000K**

| Function | | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|---|
| CCT(K) From | CCT(K) To | From | To | From | To | |
| 2800 | 2900 | 2 | 6 | 512 | 1415 | Default @ 0 |
| 2900 | 3000 | 6 | 9 | 1415 | 2318 | |
| 3000 | 3100 | 9 | 13 | 2318 | 3221 | |
| 3100 | 3200 | 13 | 16 | 3221 | 4124 | |
| 3200 | 3300 | 16 | 20 | 4124 | 5027 | |
| 3300 | 3400 | 20 | 23 | 5027 | 5931 | |
| 3400 | 3500 | 23 | 27 | 5931 | 6834 | |
| 3500 | 3600 | 27 | 30 | 6834 | 7737 | |
| 3600 | 3700 | 30 | 34 | 7737 | 8640 | |
| 3700 | 3800 | 34 | 37 | 8640 | 9543 | |
| 3800 | 3900 | 37 | 41 | 9543 | 10446 | |
| 3900 | 4000 | 41 | 44 | 10446 | 11349 | |
| 4000 | 4100 | 44 | 48 | 11349 | 12252 | |
| 4100 | 4200 | 48 | 51 | 12252 | 13155 | |
| 4200 | 4300 | 51 | 55 | 13155 | 14058 | |
| 4300 | 4400 | 55 | 58 | 14058 | 14962 | |
| 4400 | 4500 | 58 | 62 | 14962 | 15865 | |
| 4500 | 4600 | 62 | 65 | 15865 | 16768 | |
| 4600 | 4700 | 65 | 69 | 16768 | 17671 | |
| 4700 | 4800 | 69 | 72 | 17671 | 18574 | |
| 4800 | 4900 | 72 | 76 | 18574 | 19477 | |
| 4900 | 5000 | 76 | 79 | 19477 | 20380 | |
| 5000 | 5100 | 79 | 83 | 20380 | 21283 | |

## Dynamic White Point 2800K - 10000K

| Function | | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|---|
| CCT(K) From | CCT(K) To | From | To | From | To | |
| 5100 | 5200 | 83 | 86 | 21283 | 22186 | Default @ 0 |
| 5200 | 5300 | 86 | 90 | 22186 | 23089 | |
| 5300 | 5400 | 90 | 93 | 23089 | 23993 | |
| 5400 | 5500 | 93 | 97 | 23993 | 24896 | |
| 5500 | 5600 | 97 | 100 | 24896 | 25799 | |
| 5600 | 5700 | 100 | 104 | 25799 | 26702 | |
| 5700 | 5800 | 104 | 107 | 26702 | 27605 | |
| 5800 | 5900 | 107 | 111 | 27605 | 28508 | |
| 5900 | 6000 | 111 | 114 | 28508 | 29411 | |
| 6000 | 6100 | 114 | 118 | 29411 | 30314 | |
| 6100 | 6200 | 118 | 121 | 30314 | 31217 | |
| 6200 | 6300 | 121 | 125 | 31217 | 32120 | |
| 6300 | 6400 | 125 | 129 | 32120 | 33024 | |
| 6400 | 6500 | 129 | 132 | 33024 | 33927 | |
| 6500 | 6600 | 132 | 136 | 33927 | 34830 | |
| 6600 | 6700 | 136 | 139 | 34830 | 35733 | |
| 6700 | 6800 | 139 | 143 | 35733 | 36636 | |
| 6800 | 6900 | 143 | 146 | 36636 | 37539 | |
| 6900 | 7000 | 146 | 150 | 37539 | 38442 | |
| 7000 | 7100 | 150 | 153 | 38442 | 39345 | |
| 7100 | 7200 | 153 | 157 | 39345 | 40248 | |
| 7200 | 7300 | 157 | 160 | 40248 | 41151 | |
| 7300 | 7400 | 160 | 164 | 41151 | 42054 | |
| 7400 | 7500 | 164 | 167 | 42054 | 42958 | |
| 7500 | 7600 | 167 | 171 | 42958 | 43861 | |
| 7600 | 7700 | 171 | 174 | 43861 | 44764 | |
| 7700 | 7800 | 174 | 178 | 44764 | 45667 | |
| 7800 | 7900 | 178 | 181 | 45667 | 46570 | |
| 7900 | 8000 | 181 | 185 | 46570 | 47473 | |
| 8000 | 8100 | 185 | 188 | 47473 | 48376 | |
| 8100 | 8200 | 188 | 192 | 48376 | 49279 | |
| 8200 | 8300 | 192 | 195 | 49279 | 50182 | |
| 8300 | 8400 | 195 | 199 | 50182 | 51085 | |
| 8400 | 8500 | 199 | 202 | 51085 | 51989 | |
| 8500 | 8600 | 202 | 206 | 51989 | 52892 | |
| 8600 | 8700 | 206 | 209 | 52892 | 53795 | |
| 8700 | 8800 | 209 | 213 | 53795 | 54698 | |
| 8800 | 8900 | 213 | 216 | 54698 | 55601 | |
| 8900 | 9000 | 216 | 220 | 55601 | 56504 | |
| 9000 | 9100 | 220 | 223 | 56504 | 57407 | |
| 9100 | 9200 | 223 | 227 | 57407 | 58310 | |
| 9200 | 9300 | 227 | 230 | 58310 | 59213 | |
| 9300 | 9400 | 230 | 234 | 59213 | 60116 | |
| 9400 | 9500 | 234 | 237 | 60116 | 61020 | |
| 9500 | 9600 | 237 | 241 | 61020 | 61923 | |
| 9600 | 9700 | 241 | 244 | 61923 | 62826 | |
| 9700 | 9800 | 244 | 248 | 62826 | 63729 | |
| 9800 | 9900 | 248 | 251 | 63729 | 64632 | |
| 9900 | 10000 | 251 | 255 | 64632 | 65535 | |

**Transition Type Channel**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Direct XY (Constant Brightness) | 0 | 9 | - | - | Direct fades linear on the shortest distance |
| **Standard Direct XY (w/o Constant Brightness)** | **10** | **19** | - | - | **Direct fades linear on the shortest distance** |
| Through Black | 20 | 29 | - | - | "Through Black" fades from color 1 to black to color 2. |
| Through White 3200K (w/o Constant Brightness) | 30 | 39 | - | - | "Through White" fades from color 1 to white to color 2. |
| Through White 3200K (Constant Brightness) | 40 | 49 | - | - | "Through White" fades from color 1 to white to color 2. |
| Through White 5600K (w/o Constant Brightness) | 50 | 59 | - | - | "Through White" fades from color 1 to white to color 2. |
| Through White 5600K (Constant Brightness) | 60 | 69 | - | - | "Through White" fades from color 1 to white to color 2. |
| Through White 6500K (w/o Constant Brightness) | 70 | 79 | - | - | "Through White" fades from color 1 to white to color 2. |
| Through White 6500K (Constant Brightness) | 80 | 89 | - | - | "Through White" fades from color 1 to white to color 2. |
| Reserved | 90 | 255 | - | - | - |

**Strobe**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Open | 0 | 1 | 0 | 257 | Default @ 0 |
| 0,9 Hz to 20 Hz Strobing<br>Duty Cycle Open Time: 100 ms to 25 ms<br>Duty Cycle Closed Time: 1000 ms to 25 ms | 2 | 62 | 514 | 15934 | |
| Open | 63 | 64 | 15935 | 16704 | |
| 0,8 Hz to 6,6 Hz Pulse-In Strobing<br>Duty Cycle Puls-In Time: 250 ms to 50 ms<br>Duty Cycle Closed Time: 1000 ms to 100 ms | 65 | 125 | 16705 | 32125 | |
| Open | 126 | 127 | 32126 | 32895 | |
| 0,8 Hz to 6,6 Hz Pulse-Out Strobing<br>Duty Cycle Puls-Out Time: 250 ms to 50 ms<br>Duty Cycle Closed Time: 1000 ms to 100 ms | 128 | 188 | 32896 | 48316 | |
| Open | 189 | 190 | 48317 | 49086 | |
| 0,9 Hz to 20 Hz Random Strobing<br>Duty Cycle Open Time: 100 ms to 25 ms<br>Duty Cycle Closed Time: 1000 ±500 ms to 25 ±12 ms | 191 | 251 | 49087 | 64507 | |
| Open | 252 | 255 | 64508 | 65535 | |

### Control Mode 8 bit

| Function | 8 bit value | | Parameters | | |
|---|---|---|---|---|---|
| | From | To | 1 | 2 | 3 |
| Mode - CCT | 0 | 9 | CCT | GMP | CCT Range Selector |
| Mode - RGB | 10 | 19 | Red | Green | Blue |
| Mode - HSI | 20 | 29 | Hue | Saturation | Intensity |
| Mode - XY | 30 | 39 | X | Y | No Function |
| Mode - GEL | 40 | 49 | Source Lamp | Brand/Category | Gel Selector |
| Reserved | 50 | 255 | No Function | No Function | No Function |

### Control Mode 16 bit

| Function | 8 bit value | | Parameters | | | | | |
|---|---|---|---|---|---|---|---|---|
| | From | To | 1 | 2 | 3 | 4 | 5 | 6 |
| Mode - CCT | 0 | 9 | CCT 16 bit | GMP 16 bit | CCT Range Selector | GMP fine | CCT Range Selector | No Function |
| Mode - RGB | 10 | 19 | Red 16 bit | Green 16 bit | Blue 16 bit | Green Fine | Blue | Blue Fine |
| Mode - HSI | 20 | 29 | Hue 16 bit | Saturation 16 bit | Intensity 16 bit | Saturation fine | Intensity | Intensity fine |
| Mode - XY | 30 | 39 | X 16 bit | Y 16 bit | No Function | Y Fine | No Function | No Function |
| Mode - GEL | 40 | 49 | Source Lamp | Brand/Category | Gel Selector | Ignored | Gel Selector | Ignored |
| Reserved | 50 | 255 | No Function | No Function | No Function | No Function | No Function | No Function |

### Green Magenta Point Channel (GMP)

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Neutral / No Effect | 0 | 1 | 0 | 511 | Default @ 128 (8bit) / 32768 (16bit) |
| Full Minus Green | 2 | 3 | 512 | 1023 | |
| -99% to -1% | 4 | 126 | 1024 | 32511 | - 0,025 |
| Neutral / No Effect | 127 | 128 | 32512 | 33023 | |
| 1% to 99% | 129 | 253 | 33024 | 65023 | + 0,025 |
| Full Plus Green | 254 | 255 | 65024 | 65535 | |

### Green Magenta Point Channel (GMP) - LEGACY

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Full Minus Green | 0 | 1 | 0 | 511 | Default @ 128 (8bit) / 32768 (16bit) |
| -99% to -1% | 2 | 127 | 512 | 32767 | - 0,025 |
| Neutral / No Effect | 128 | 128 | 32768 | 33023 | |
| 1% to 99% | 129 | 253 | 33024 | 65023 | + 0,025 |
| Full Plus Green | 254 | 255 | 65024 | 65535 | |

**Preset Channel**

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Safe | | | | | |
| No Function | 0 | 1 | - | - | Default @ 0 |
| User Defined Presets | | | | | |
| Preset 01 | 2 | 3 | - | - | Preset saved by user |
| Preset 02 | 4 | 5 | - | - | |
| Preset 03 | 6 | 7 | - | - | |
| Preset 04 | 8 | 9 | - | - | |
| Preset 05 | 10 | 11 | - | - | |
| Preset 06 | 12 | 13 | - | - | |
| Preset 07 | 14 | 15 | - | - | |
| Preset 08 | 16 | 17 | - | - | |
| Preset 09 | 18 | 19 | - | - | |
| Preset 10 | 20 | 21 | - | - | |
| Preset 11 | 22 | 23 | - | - | |
| Preset 12 | 24 | 25 | - | - | |
| Preset 13 | 26 | 27 | - | - | |
| Preset 14 | 28 | 29 | - | - | |
| Preset 15 | 30 | 31 | - | - | |
| Preset 16 | 32 | 33 | - | - | |
| Preset 17 | 34 | 35 | - | - | |
| Preset 18 | 36 | 37 | - | - | |
| Preset 19 | 38 | 39 | - | - | |
| Preset 20 | 40 | 41 | - | - | |
| Reserved | 42 | 167 | - | - | |
| Factory Presets | | | | | |
| Preset 01 | 168 | 169 | - | - | CCT - 2000K (+/- 0 GN) |
| Preset 02 | 170 | 171 | - | - | CCT - 2500K (+/- 0 GN) |
| Preset 03 | 172 | 173 | - | - | CCT - 2900K (+/- 0 GN) |
| Preset 04 | 174 | 175 | - | - | CCT - 3200K (+/- 0 GN) |
| Preset 05 | 176 | 177 | - | - | CCT - 4000K (+/- 0 GN) |
| Preset 06 | 178 | 179 | - | - | CCT - 5000K (+/- 0 GN) |
| Preset 07 | 180 | 181 | - | - | CCT - 5600K (+/- 0 GN) |
| Preset 08 | 182 | 183 | - | - | CCT - 6500K (+/- 0 GN) |
| Preset 09 | 184 | 185 | - | - | CCT - 8000K (+/- 0 GN) |
| Preset 10 | 186 | 187 | - | - | CCT - 10000K (+/- 0 GN) |
| Reserved | 188 | 207 | - | - | - |
| Preset 21 | 208 | 209 | - | - | HSI - 120° Hue, 100% Saturation |
| Preset 22 | 210 | 211 | - | - | HSI - 240° Hue, 100% Saturation |
| Preset 23 | 212 | 213 | - | - | GEL - RC 3408, Base CCT 5600K |
| Preset 24 | 214 | 215 | - | - | GEL - Lee 187, Base CCT 3200K |
| Preset 25 | 216 | 217 | - | - | GEL - RC 3152, Base CCT 3200K |
| Preset 26 | 218 | 219 | - | - | GEL - Lee 162, Base CCT 3200K |
| Reserved | 220 | 255 | - | - | - |

## Fan Control Channel

| Function | 8 bit value | | 16 bit value | | Note |
|---|---|---|---|---|---|
| | From | To | From | To | |
| Safe | | | | | |
| No Function | 0 | 1 | - | - | Use Fan Mode Setting of Fixture Menu |
| Auto | 2 | 3 | - | - | Automatically regulates fan speed - Drops light only if passing the thermal protection treshold. |
| Turbo | 4 | 5 | - | - | Fixed - 100% |
| Fan Speed | 6 | 107 | - | - | Manual Fan Speed: 0% at 6 dmx value - 20% to 100% from 7 to 107 dmx value in linear progression |
| Dynamic Light Output | | | | | |
| Quiet 1 DLO | 108 | 109 | - | - | Fixed Fan Speed (50%) - Power drop -25% |
| Quiet 2 DLO | 110 | 111 | - | - | Fixed Fan Speed (35%) - Power drop -35% |
| Off DLO | 112 | 113 | - | - | Fixed Fan Speed (0%) - Power drop -65% |
| Constant Light Output | | | | | |
| Quiet 1 CLO | 114 | 115 | - | - | Fixed Fan Speed (50%) - Power limit 75% |
| Quiet 2 CLO | 116 | 117 | - | - | Fixed Fan Speed (35%) - Power limit 65% |
| Off CLO | 118 | 119 | - | - | Fixed Fan Speed (0%) - Power limit 35% |
| Reserved | 120 | 255 | - | - | --- |

## Control Channel

| Function | | 8 bit value | | Note |
|---|---|---|---|---|
| | | From | To | |
| No Function / Safe | | 0 | 1 | Default @ 0 |
| Dimmer Speed | **Auto** | 2 | 3 | Hold 3s to take function |
| | Fast | 4 | 5 | |
| | Medium | 6 | 7 | |
| | Slow | 8 | 9 | |
| | Off | 10 | 11 | |
| Dimmer Curve | Linear | 12 | 13 | |
| | S-Curve | 14 | 15 | |
| | **Square Law** | 16 | 17 | |
| | Inv. Square Law | 18 | 19 | |
| | High Res @ Low | 20 | 21 | |
| | Tungsten | 22 | 23 | |
| Tungsten Emulation | On | 24 | 25 | |
| | **Off** | 26 | 27 | |
| Dimmer End | **Fade Off** | 28 | 29 | |
| | Snap Off | 30 | 31 | |
| Color Space | **Native** | 32 | 33 | |
| | ProPhoto | 34 | 35 | |
| | sRGB | 36 | 37 | |
| | Rec. 2020 | 38 | 39 | |
| | Rec. 709 | 40 | 41 | |
| Led Mode | **High Brightness** | 42 | 43 | |
| | High Quality | 44 | 45 | |

**Control Channel**

| Function | | | 8 bit value | | Note |
|---|---|---|---|---|---|
| | | | From | To | |
| Fan Mode | **Auto** | | 46 | 47 | Default @ 0<br>Hold 3s to take function |
| | Turbo | | 48 | 49 | |
| | Manual | | 50 | 51 | |
| | Quiet 1 DLO | | 52 | 53 | |
| | Quiet 2 DLO | | 54 | 55 | |
| | Off DLO | | 56 | 57 | |
| | Quiet 1 CLO | | 58 | 59 | |
| | Quiet 2 CLO | | 60 | 61 | |
| | Off CLO | | 62 | 63 | |
| Signal Fault | Hold | | 64 | 65 | |
| | **Hold On Encoder Touch** | **CCT mode** | 66 | 67 | |
| | | RGB mode | 68 | 69 | |
| | | HSI mode | 70 | 71 | |
| | | XY mode | 72 | 73 | |
| | | GEL mode | 74 | 75 | |
| | Reserved | | 76 | 77 | |
| | Standalone | | 78 | 79 | |
| | Blackout | | 80 | 81 | |
| | Emergency | | 82 | 83 | |
| Startup Behaviour On Encoder Touch | **On Encoder Touch** | **CCT mode** | 84 | 85 | |
| | | RGB mode | 86 | 87 | |
| | | HSI mode | 88 | 89 | |
| | | XY mode | 90 | 91 | |
| | | GEL mode | 92 | 93 | |
| | Reserved | | 94 | 95 | |
| | Standalone | | 96 | 97 | |
| | Blackout | | 98 | 99 | |
| | Emergency | | 100 | 101 | |
| Led Frequency | **1282Hz** | | 102 | 103 | |
| | 2000Hz | | 104 | 105 | |
| | 4000Hz | | 106 | 107 | |
| | 6000Hz | | 108 | 109 | |
| | 10kHz | | 110 | 111 | |
| | 12kHz | | 112 | 113 | |
| | 15kHz | | 114 | 115 | |
| | 20kHz | | 116 | 117 | |
| Reserved | | | 118 | 119 | |
| | | | 120 | 121 | |
| | | | 122 | 123 | |
| Power Limit | **100%** | | 124 | 125 | |
| | 75% | | 126 | 127 | |
| | 50% | | 128 | 129 | |
| | 25% | | 130 | 131 | |
| Reserved | | | 132 | 135 | |
| Backlight Timeout | Always On | | 136 | 137 | |
| | 10s | | 138 | 139 | |
| | **30s** | | 140 | 141 | |
| | 60s | | 142 | 143 | |

**Control Channel**

| Function | | 8 bit value | | Note |
|---|---|---|---|---|
| | | From | To | |
| Backlight Display | 25% | 144 | 145 | Default @ 0<br>Hold 3s to take function |
| | 50% | 146 | 147 | |
| | 75% | 148 | 149 | |
| | **100%** | 150 | 151 | |
| Backlight settings | Off | 152 | 153 | |
| | **On** | 154 | 155 | |
| Flip display | On | 156 | 157 | |
| | **Off** | 158 | 159 | |
| Keylock | On | 160 | 161 | |
| | **Off** | 162 | 163 | |
| Stand Alone Mode | Master DMX | 164 | 165 | |
| | Master NO DMX | 166 | 167 | |
| | **Slave** | 168 | 169 | |
| Stand Alone | **CCT Mode** | 170 | 171 | |
| | RGB Mode | 172 | 173 | |
| | HSI Mode | 174 | 175 | |
| | XY Mode | 176 | 177 | |
| | Gel Mode | 178 | 179 | |
| Reserved | | 180 | 181 | |
| Stand Alone Preset | Mode 1 | 182 | 183 | |
| | Mode 2 | 184 | 185 | |
| | Mode 3 | 186 | 187 | |
| | Mode 4 | 188 | 189 | |
| | Mode 5 | 190 | 191 | |
| | Mode 6 | 192 | 193 | |
| | Mode 7 | 194 | 195 | |
| | Mode 8 | 196 | 197 | |
| | Mode 9 | 198 | 199 | |
| | Mode 10 | 200 | 201 | |
| | Mode 11 | 202 | 203 | |
| | Mode 12 | 204 | 205 | |
| | Mode 13 | 206 | 207 | |
| | Mode 14 | 208 | 209 | |
| | Mode 15 | 210 | 211 | |
| | Mode 16 | 212 | 213 | |
| | Mode 17 | 214 | 215 | |
| | Mode 18 | 216 | 217 | |
| | Mode 19 | 218 | 219 | |
| | Mode 20 | 220 | 221 | |
| Configuration Presets | Preset 1 | 222 | 223 | |
| | Preset 2 | 224 | 225 | |
| | Preset 3 | 226 | 227 | |
| | Preset 4 | 228 | 229 | |
| Reserved | | 230 | 251 | |
| Factory Default of control functions | | 252 | 253 | |
| Reserved | | 254 | 255 | |

## COLOR CORRECTION MODES

| Ch | M4 - RGB 16 bit + CC | M8 - XY 16 bit + CC | M16 - CC - CCT + RGB 16 bit | M18 - CC - CCT + RGB 16 bit + GEL 16 bit | M28 - CC - CCT + XY 16 bit | M30 - CC - CCT + XY + GEL 16 bit |
|---|---|---|---|---|---|---|
| 1 | Dimmer | Dimmer | Dimmer | Dimmer | Dimmer | Dimmer |
| 2 | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine | Dimmer Fine |
| 3 | Red | X1 | CCT | CCT | CCT | CCT |
| 4 | Red Fine | X1 fine | CCT Fine | CCT Fine | CCT Fine | CCT Fine |
| 5 | Green | Y1 | GMP | GMP | GMP | GMP |
| 6 | Green Fine | Y1 fine | Crossfade from CCT to RGB | Crossfade from CCT to RGB | Crossfade from CCT to XY | Crossfade from CCT to XY |
| 7 | Blue | Crossfade XY1 to XY2 | Red | Red | X | X |
| 8 | Blue Fine | X2 | Red Fine | Red Fine | X Fine | X Fine |
| 9 | White Point | X2 fine | Green | Green | Y | Y |
| 10 | White Point Fine | Y2 | Green Fine | Green Fine | Y Fine | Y Fine |
| 11 | Strobe | Y2 fine | Blue | Blue | CCT Range Selector | Crossfade from XY to GEL |
| 12 | Control | Transition Type | Blue Fine | Blue Fine | Transition Type | GEL Source Selector |
| 13 | Preset | Strobe | CCT Range Selector | Crossfade from RGB to GEL | Strobe | GEL Brand / Category |
| 14 | Fan Control | Control | White Point | GEL Source Selector | Control | GEL Selector |
| 15 | Reserved | Preset | White Point Fine | GEL Brand / Category | Preset | CCT Range Selector |
| 16 | CC Mode | Fan Control | Transition Type | GEL Selector | Fan Control | Transition Type |
| 17 | Warmer/Cooler | Reserved | Strobe | CCT Range Selector | Reserved | Strobe |
| 18 | Saturation | CC Mode | Control | White Point | CC Mode | Control |
| 19 | CC Parameter 1 | Warmer/Cooler | Preset | White Point Fine | Warmer/Cooler | Preset |
| 20 | CC Parameter 2 | Saturation | Fan Control | Transition Type | Saturation | Fan Control |
| 21 | CC Parameter 3 | CC Parameter 1 | Reserved | Strobe | CC Parameter 1 | Reserved |
| 22 | CC Parameter 4 | CC Parameter 2 | CC Mode | Control | CC Parameter 2 | CC Mode |
| 23 | CC Parameter 5 | CC Parameter 3 | Warmer/Cooler | Preset | CC Parameter 3 | Warmer/Cooler |
| 24 | CC Parameter 6 | CC Parameter 4 | Saturation | Fan Control | CC Parameter 4 | Saturation |
| 25 | | CC Parameter 5 | CC Parameter 1 | Reserved | CC Parameter 5 | CC Parameter 1 |
| 26 | | CC Parameter 6 | CC Parameter 2 | CC Mode | CC Parameter 6 | CC Parameter 2 |
| 27 | | | CC Parameter 3 | Warmer/Cooler | | CC Parameter 3 |
| 28 | | | CC Parameter 4 | Saturation | | CC Parameter 4 |
| 29 | | | CC Parameter 5 | CC Parameter 1 | | CC Parameter 5 |
| 30 | | | CC Parameter 6 | CC Parameter 2 | | CC Parameter 6 |
| 31 | | | | CC Parameter 3 | | |
| 32 | | | | CC Parameter 4 | | |
| 33 | | | | CC Parameter 5 | | |
| 34 | | | | CC Parameter 6 | | |

**Color Correction Mode Selector**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| Standard | 0 | 9 | Default @ 0<br>Color correction occurs with a purely mathematical shift of the xy coordinates |
| Subtractive Color | 10 | 19 | Color correction occurs by acting on the emitter (i.e. the LED source) |
| Reserved | 20 | 255 | |

**Cooler / Warmer**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| Cooler/Warmer | 0 | 255 | Default @ 128<br>Linear Correction from Cooler to Warmer |

**Desaturate / Saturate**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| Desaturate/Saturate | 0 | 255 | Default @ 128<br>Linear change from a less saturated light to a more saturated light |

**CC Parameter 1**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| **Color Correction: Standard Mode** | | | |
| ±Red | 0 | 255 | Default @ 128<br>Linear change from less Red to more Red as you move through x-y coordinates |
| **Color Correction: Subtractive Color Mode** | | | |
| ±Red | 0 | 255 | Default @ 128<br>Linear change from less Red to more Red by varying the emission of the Red LEDs |

**CC Parameter 2**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| **Color Correction: Standard Mode** | | | |
| ±Green | 0 | 255 | Default @ 128<br>Linear change from less Green to more Green as you move through x-y coordinates |
| **Color Correction: Subtractive Color Mode** | | | |
| ±Green | 0 | 255 | Default @ 128<br>Linear change from less Green to more Green by varying the emission of the Green LEDs |

**CC Parameter 3**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| **Color Correction: Standard Mode** | | | |
| ±Blue | 0 | 255 | Default @ 128<br>Linear change from less Blue to more Blue as you move through x-y coordinates |
| **Color Correction: Subtractive Color Mode** | | | |
| ±Blue | 0 | 255 | Default @ 128<br>Linear change from less Blue to more Blue by varying the emission of the Blue LEDs |

**CC Parameter 4**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| **Color Correction: Standard Mode** | | | |
| ±Cyan | 0 | 255 | Default @ 128<br>Linear change from less Cyan to more Cyan as you move through x-y coordinates |
| **Color Correction: Subtractive Color Mode** | | | |
| ±PC Amber | 0 | 255 | Default @ 128<br>Linear change from less PC Amber to more PC Amber by varying the emission of the PC Amber LEDs |

**CC Parameter 5**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| **Color Correction: Standard Mode** | | | |
| ±Magenta | 0 | 255 | Default @ 128<br>Linear change from less Magenta to more Magenta as you move through x-y coordinates |
| **Color Correction: Subtractive Color Mode** | | | |
| ±Lime | 0 | 255 | Default @ 128<br>Linear change from less Lime to more Lime by varying the emission of the Lime LEDs |

**CC Parameter 6**

| Function | 8 bit value | | Note |
|---|---|---|---|
| | From | To | |
| **Color Correction: Standard Mode** | | | |
| ±Yellow | 0 | 255 | Default @ 128<br>Linear change from less Yellow to more Yellow as you move through x-y coordinates |
| **Color Correction: Subtractive Color Mode** | | | |
| ±Cyan | 0 | 255 | Default @ 128<br>Linear change from less Cyan to more Cyan by varying the emission of the Cyan LEDs |