

DMX protocol for Calumma - All sizes - RGBW(A)

Version: 1.1 (16 modes in total)

| Mode/Channels in all | | | | | | | Mode 1- RGBW(A)-8bit, Mode 2- RGB 8-bit, Mode 3- full RGBW(A) | | |
|----------------------|---|----|---|---|---|-----------|--|-----------------|-----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7-10 | Mode 4- White-full control, Mode 5- Reduced RGBW(A) | | |
| 4 | 3 | 12 | 3 | 6 | 8 | Reserved | Mode 6- Reduced RGBW(A)+white control | | |
| Mode/channels | | | | | | | DMX Value | Function | Type of control |
| 1 | 2 | 3 | 4 | 5 | 6 | DMX Value | Function | Type of control | |
| 1 | 1 | 1 | - | 1 | 1 | 0 - 255 | Red Red LEDs saturation control (0-100%) | proportional | |
| - | - | 2 | - | - | - | 0 - 255 | Red Fine Red LEDs saturation control fine | proportional | |
| 2 | 2 | 3 | - | 2 | 2 | 0 - 255 | Green Green LEDs saturation control (0-100%) | proportional | |
| - | - | 4 | - | - | - | 0 - 255 | Green Fine Green LEDs saturation control fine | proportional | |
| 3 | 3 | 5 | - | 3 | 3 | 0 - 255 | Blue Blue LEDs saturation control (0-100%) | proportional | |
| - | - | 6 | - | - | - | 0 - 255 | Blue Fine Blue LEDs saturation control fine | proportional | |
| 4 | - | 7 | - | 4 | 4 | 0 - 255 | White (Amber) White LEDs saturation control (0-100%) | proportional | |
| - | - | 8 | - | - | - | 0 - 255 | White (Amber) Fine White LEDs saturation control fine | proportional | |
| - | - | 9 | 1 | - | 5 | 0 | Green correction Uncorrected white | step | |
| | | | | | | 1-127 | Minus green - uncorrected white | proportional | |
| | | | | | | 128 | Uncorrected white (128=default) | step | |
| | | | | | | 129-255 | Uncorrected white - Plus green | proportional | |
| - | - | 10 | 2 | - | 6 | 0 | Colour temperature correction (CTC) No function (0 - default) | step | |
| | | | | | | 1 - 10 | Tungsten dimming 2700 K | step | |
| | | | | | | 11 - 20 | Tungsten dimming 3200 K | step | |
| | | | | | | 21-255 | Colour temperature changing from 1800 K --> 6500 K (21-1800K, 66-2700K, 91-3200K,141-4200K, 211-5600K, 255-6500K) | proportional | |
| - | - | 11 | 3 | 5 | 7 | 0 - 255 | Dimmer Light intensity coarse (0-100%) | proportional | |
| - | - | 12 | - | 6 | 8 | 0 - 255 | Dimmer Fine Light intensity fine | proportional | |

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| DMX protocol for Calumma - All sizes - MC and SC | | | | | |
|---|-----------|-----------|------------------|--|------------------------|
| Version: 1.1 (16 modes in total) | | | | | |
| Mode/Channels in all | | | | TW Modes: Mode 6- White selection + Dimmer, Mode 7- WW + CW | |
| 11 | 12 | 13 | 14-16 | PW Mode: Mode 8- Dimmer | |
| 3 | 4 | 2 | Reserved | | |
| TW and PW modes | | | | | |
| Mode/channels | | | DMX Value | Function | Type of control |
| 6 | 7 | 8 | | | |
| 1 | - | - | | White colour selection | |
| | | | 0 - 255 | White from 2700 K - 6500 K | proportional |
| - | 1 | - | | Warm White | |
| | | | 0 - 255 | Warm White LEDs saturation control (0-100%) | proportional |
| - | 2 | - | | Cool White | |
| | | | 0 - 255 | Cool White LEDs saturation control (0-100%) | proportional |
| 2 | 3 | 1 | | Dimmer | |
| | | | 0 - 255 | Light intensity coarse (0 - 100%) | proportional |
| 3 | 4 | 2 | | Dimmer Fine | |
| | | | 0 - 255 | Light intensity fine | proportional |
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