

## LiteWare HO2/Satellite 2 - DMX protocol (ver. 1.1)

Mode 1	Mode 2	DMX Value	Function	Type of control
1	-	0-29	<b>Special functions</b> Reserved <i>To activate following functions, stop in DMX value for at least 3 sec. and shutter must be closed at least 3 sec. (Shutter channel 8 must be at range of 0-31 DMX). Corresponding menu items are temporarily overridden except <u>Acoustic alarm On/Off</u> function.</i>	
		30-39	RGBW colour mixing mode	step
		40-49	CMY colour mixing mode	step
		50-59	Acoustic alarm On	step
		60-69	Acoustic alarm Off	step
		70-79	Display permanent lits	step
		80-89	Display permanent turned off	step
		90-99	Dimmer curve: linear	step
		100-109	Dimmer curve: square law	step
		110-114	Colour calibration mode On	step
		115-119	Colour calibration mode Off	step
		120-129	Load: Eco	step
		130-139	Load: Full	step
		140-255	Reserved	step
2	1	0-255	<b>Red (Cyan)</b> Red LEDs saturation control (0-100%)	proportional
3	2	0-255	<b>Green (Magenta)</b> Green LEDs saturation control (0-100%)	proportional
4	3	0-255	<b>Blue (Yellow)</b> Blue LEDs saturation control (0-100%)	proportional
5	4	0-255	<b>White (RGBW mode only)</b> White LEDs saturation control (0-100%)	proportional
6	-	0	<b>CTO</b> No function	step
		1-255	Colour temperature correction (col. calibration mode has to be On)	proportional
7	-	0	<b>Virtual colour wheel</b> No function	step
		1-2	White 2700 K	step
		3	White 2700 K (tungsten emulation)*	step
		4-5	White 3200 K	step
		6	White 3200 K (tungsten emulation)*	step
		7-9	White 4200 K	step
		10-12	White 5600 K	step
		13-15	White 8000 K	step
		16	<b>Blue</b> (Blue=full, Red+Green+White=0)	step
		17-55	Red=0, Green→up, Blue =full, White=0	proportional
		56	<b>Light Blue</b> (Red=0, Green=full, Blue =full, white=0)	step
		57 - 95	Red=0, Green=full, Blue→down, White=0	proportional
		96	<b>Green</b> (Red=0, Green=full, Blue =0, White=0)	step
		97 – 134	Red→up, Green=full, Blue=0, White=0	proportional

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		135 136 - 174 175 176 -214 215 216-246 247 248 249 250-255	<b>Yellow</b> (Red=full, Green=full, Blue=0,White=0) Red=full, Green→down, Blue=0, White=0 <b>Red</b> (Red=full, Green=0, Blue=0, White=0) Red=full, Green=0, Blue→up, White=0 <b>Magenta</b> (Red=full, Green=0,Blue=full,White=0) Red→down, Green=0, Blue=full, White=0 <b>Blue</b> (Red=0, Green=0, Blue=full, White=0) Rainbow effect( with fade time) Rainbow effect(without fade time) Reserved	step proportional step proportional step proportional step step step
8	-	0-31 32-63 64-95 96-127 128-143 144-159 160-191 192-223 224-255	<b>Shutter/ Strobe</b> Shutter closed Shutter open Strobe-effect from slow to fast Shutter open Opening pulses in sequences slow--> fast Closing pulses in sequences fast --> slow Shutter open Random strobe-effects from slow to fast Shutter open	step step proportional step proportional proportional step proportional step
9	-	0 - 255	<b>Dimmer</b> Dimmer intensity from 0% to 100%	proportional

\*Halogen lamp effect during dimming