



DMX profiles for PHEON LUX Lamps

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About Multiple zones (Pixels)

As for lamps with multiple zones (pixels), users can adjust the number and orientation of zones on the control panel of lamps. When the lamps are set to multiple zones, the channel of the second zone will follow the previous one closely. for example: If the DMX address is 1 and the [profile is 2](#), then channels 1 to 5 are used to control pixel 1, channels 6 to 10 are used to control pixel 2, and channels 11 to 15 are used to control pixel 3,... ..

Channel	Zone/Pixel	Function
1	1	DIM
2		CCT
3		G/M
4		Hue
5		Saturation
6	2	DIM
7		CCT
8		G/M
9		Hue
10		Saturation
11	3	DIM
12		CCT
13		G/M
14		Hue
15		Saturation
...	...	...

About extend channels

If DMX extended mode is enable,it will add some channels to end of DMX map. For example: If the DMX address is 1 and the personality is 2, number pixels is 2, then channels 1 to 5 are used to control pixel 1, channels 6 to 10 are used to control pixel 2, channels 11 is used to control dimming curve, channels 12 is used to control fan.

Lamp's extend channel details:

Lamp	Number extend channels	Channel	Name	DMX Value	Function
Tube Lux /Space Lux	1	1	Curve	0-15	Linear Curve
				16-75	Logarithm Curve
				76-135	Linear Curve
				136-195	Index Curve
				196-255	S Curve

Lamp	Number extend channels	Channel	Name	DMX Value	Function
Sky Lux/ Air Lux	2	1	Curve	0-15	Linear Curve
				16-75	Logarithm Curve
				76-135	Linear Curve
				136-195	Index Curve
				196-255	S Curve
		2	Fan	0-20	Set by panel
				21-121	0-100%
				122-201	Reserved
				202-249	100%
				250-255	off

Lamp List

Series	Model	Matrix Size	Note
Tube Lux	T16M	8 x 1	
	T32M	16 x 1	
	T64M	32 x 1	
	T18C	16 x 1	
	T36C	32 x 1	
Space Lux	S4C	2 x 2	
	S6C	3 x 2	
	S9C	3 x 3	
	S12C	3 x 4	
Sky Lux	F350C	40 x 40	
	F24C	20 x 40	
Air Lux	H14C/H22C/H24C/ H18C/H44C/H28C	1 x 1	
	M14C	4 x 1	
	M22C	2 x 2	
	M24C	4 x 2	
	M18C	8 x 1	
	M44C	4 x 4	
	M28C	8 x 2	
	M116C	16 x 1	
	M48C	8 x 4	
	M216C	16 x 2	
	M132C	32 x 1	
	M88C	8 x 8	

Profilie1: All

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Green/Magenta	1-20	Neutral/No Effect	0-8
		21-33	Full Minus Green	9-13
		34-134	-99%--1%	14-53
		135-145	Neutral/No Effect	54-57
		146-244	1%-99%	58-96
		245-255	Full Plus Green	97-100
4-5	Hue	0-65535	0° - 359°	0-100
6	Saturation	0-255	0-100%	0-100
7	GEL	0-20	No Effect	0-8
		21-25	1700K	9-10
		26-30	2000K	11-12
		31-35	2700K	13-14
		36-40	3200K	15-16
		41-45	5600K	17-18
		46-50	Red	19-20
		51-55	Green	21-22
		56-60	Blue	23-24
		61-65	Magenta	25-26
		66-70	Yellow	27-28

		71-75	Orange	29-30
		76-255	Reserve	31-100
8	Effect	0-20	No Effect	0-8
		21-25	Strobe	9-10
		26-30	Paparazzi	11-12
		31-35	Short-circuit	13-14
		36-40	Cop Car 1	15-16
		41-45	Cop Car 2	17-18
		46-50	Fire	19-20
		51-55	Rainbow	21-22
		56-60	Breath	23-24
		61-65	Pixel rainbow	25-26
		66-70	Meteor	27-28
		71-75	Meteor 2	29-30
		76-80	Reserved(Meteor 3)	31-32
		81-85	Reserved	33-34
		86-90	Reserved	35-36
		91-95	Random color	37-38
		96-100	Random color Meteor	39-40
		101-105	Reserved(Random 3)	41-42
		106-110	Reserved(Stars)	43-44
		111-115	Cop Car 3	45-46
		116-120	Reserved(Cop Car 4)	47-48

		121-125	Reserved	49-50
		126-130	Pile up	51-52
		131-135	Pile up 2	53-54
		136-140	Reserved(Pixel Fire)	55-56
		141-255	Reserve	57-100
9	Effect Speed	0-20	50%	0-8
		21-255	0-100%	9-100
10	Effect Color	0-20	Default(White)	0-8
		21-50	Random color	9-20
		51-80	Rainbow (0~359 recyle)	21-31
		81-110	Custom (Defined by other channels)	32-43
		111-255	Default(White)	44-100
11	Red	0-255	0-255	0-100
12	Green	0-255	0-255	0-100
13	Blue	0-255	0-255	0-100
14	Warm White	0-255	0-255	0-100
15	Cool White	0-255	0-255	0-100
Channel Priority	Effect(CH-8) > GEL(CH-7) > RGBWW(CH11-CH15) > others			

Profile2: CCT&GM&HSI

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Green/Magenta	1-20	Neutral/No Effect	0-8
		21-33	Full Minus Green	9-13
		34-134	-99%--1%	14-53
		135-145	Neutral/No Effect	54-57
		146-244	1%-99%	58-96
		245-255	Full Plus Green	97-100
4	Hue	0-255	0° - 359°	0-100
5	Saturation	0-255	0-100%	0-100

Profilie3: CCT&GM^RGB

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Green/Magenta	1-20	Neutral/No Effect	0-8
		21-33	Full Minus Green	9-13
		34-134	-99%--1%	14-53
		135-145	Neutral/No Effect	54-57
		146-244	1%-99%	58-96
		245-255	Full Plus Green	97-100
4	Crossfade	0-255	0-100%	0-100
5	Red	0-255	0-255	0-100
6	Green	0-255	0-255	0-100
7	Blue	0-255	0-255	0-100

Profilie4: CCT&HSI

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Hue	0-255	0° - 359°	0-100
4	Saturation	0-255	0-100%	0-100

Profile5: CCT^RGB

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Crossfade	0-255	0-100%	0-100
4	Red	0-255	0-255	0-100
5	Green	0-255	0-255	0-100
6	Blue	0-255	0-255	0-100

Profile6: DIM&RGB

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	Red	0-255	0-255	0-100
3	Green	0-255	0-255	0-100
4	Blue	0-255	0-255	0-100

Proflie7: DIM&RGBW

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	Red	0-255	0-255	0-100
3	Green	0-255	0-255	0-100
4	Blue	0-255	0-255	0-100
5	White	0-255	0-255	0-100

Proflie8: DIM&RGBWW

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	Red	0-255	0-255	0-100
3	Green	0-255	0-255	0-100
4	Blue	0-255	0-255	0-100
5	Warm White	0-255	0-255	0-100
6	Cool White	0-255	0-255	0-100

Proflie9: RGB

Slots	Name	DMX Value	Range	Percent
1	Red	0-255	0-255	0-100
2	Green	0-255	0-255	0-100
3	Blue	0-255	0-255	0-100

Profile10: RGBW

Slots	Name	DMX Value	Range	Percent
1	Red	0-255	0-255	0-100
2	Green	0-255	0-255	0-100
3	Blue	0-255	0-255	0-100
4	White	0-255	0-255	0-100

Profile11: RGB&CCT

Slots	Name	DMX Value	Range	Percent
1	Red	0-255	0-255	0-100
2	Green	0-255	0-255	0-100
3	Blue	0-255	0-255	0-100
4	CCT	0-255	2700K-10000K	0-100

Profile12: CCT&GM^RGBW

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Green/Magenta	1-20	Neutral/No Effect	0-8
		21-33	Full Minus Green	9-13
		34-134	-99%--1%	14-53
		135-145	Neutral/No Effect	54-57
		146-244	1%-99%	58-96
		245-255	Full Plus Green	97-100
4	Crossfade	0-255	0-100%	0-100
5	Red	0-255	0-255	0-100
6	Green	0-255	0-255	0-100
7	Blue	0-255	0-255	0-100
8	White	0-255	0-255	0-100

Profile13: CCT&GM^HSI

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Green/Magenta	1-20	Neutral/No Effect	0-8
		21-33	Full Minus Green	9-13
		34-134	-99%--1%	14-53
		135-145	Neutral/No Effect	54-57
		146-244	1%-99%	58-96
		245-255	Full Plus Green	97-100
4	Crossfade	0-255	0-100%	0-100
5	Hue	0-255	0° - 359°	0-100
6	Saturation	0-255	0-100%	0-100

Profile14:DIM& CCT

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100

Profile15: DIM&CCT&GM

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	CCT	0-255	2700K-10000K	0-100
3	Green/Magenta	1-20	Neutral/No Effect	0-8
		21-33	Full Minus Green	9-13
		34-134	-99%--1%	14-53
		135-145	Neutral/No Effect	54-57
		146-244	1%-99%	58-96
		245-255	Full Plus Green	97-100

Profile16: HSI

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	Hue	0-255	0° - 359°	0-100
3	Saturation	0-255	0-100%	0-100

Profile17: CCT&GM&HSI-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100
5-6	Green/Magenta	0-4587	Neutral/No Effect	0-8
		4588-9830	Full Minus Green	9-13
		9831-30145	-99%--1%	14-53
		30146-39976	Neutral/No Effect	54-57
		39977-60292	1%-99%	58-96
		60293-65535	Full Plus Green	97-100
7-8	Hue	0-65535	0° - 359°	0-100
9-10	Saturation	0-65535	0-100%	0-100

Profile18: CCT&GM^RGB-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100
5-6	Green/Magenta	0-4587	Neutral/No Effect	0-8
		4588-9830	Full Minus Green	9-13
		9831-30145	-99%--1%	14-53
		30146-39976	Neutral/No Effect	54-57
		39977-60292	1%-99%	58-96
		60293-65535	Full Plus Green	97-100
7-8	Crossfade	0-65535	0-100%	0-100
9-10	Red	0-65535	0-255	0-100
11-12	Green	0-65535	0-255	0-100
13-14	Blue	0-65535	0-255	0-100

Profile19: CCT&HSI-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100
5-6	Hue	0-65535	0° - 359°	0-100
7-8	Saturation	0-65535	0-100%	0-100

Profile20: CCT^RGB-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100
5-6	Crossfade	0-65535	0-100%	0-100
7-8	Red	0-65535	0-255	0-100
9-10	Green	0-65535	0-255	0-100
11-12	Blue	0-65535	0-255	0-100

Profile21: DIM&RGB-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	Red	0-65535	0-255	0-100
5-6	Green	0-65535	0-255	0-100
7-8	Blue	0-65535	0-255	0-100

Proflie22: DIM&RGBW-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	Red	0-65535	0-255	0-100
5-6	Green	0-65535	0-255	0-100
7-8	Blue	0-65535	0-255	0-100
9-10	White	0-65535	0-255	0-100

Proflie23: RGB-16bit

Slots	Name	DMX Value	Range	Percent
1-2	Red	0-65535	0-255	0-100
3-4	Green	0-65535	0-255	0-100
5-6	Blue	0-65535	0-255	0-100

Proflie24: RGBW-16bit

Slots	Name	DMX Value	Range	Percent
1-2	Red	0-65535	0-255	0-100
3-4	Green	0-65535	0-255	0-100
5-6	Blue	0-65535	0-255	0-100
7-8	White	0-65535	0-255	0-100

Profile25: RGB&CCT-16bit

Slots	Name	DMX Value	Range	Percent
1-2	Red	0-65535	0-255	0-100
3-4	Green	0-65535	0-255	0-100
5-6	Blue	0-65535	0-255	0-100
7-8	CCT	0-65535	2700K-10000K	0-100

Profile26: CCT&GM^RGBW-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100
5-6	Green/Magenta	0-4587	Neutral/No Effect	0-8
		4588-9830	Full Minus Green	9-13
		9831-30145	-99%--1%	14-53
		30146-39976	Neutral/No Effect	54-57
		39977-60292	1%-99%	58-96
		60293-65535	Full Plus Green	97-100
7-8	Crossfade	0-65535	0-100%	0-100
9-10	Red	0-65535	0-255	0-100
11-12	Green	0-65535	0-255	0-100
13-14	Blue	0-65535	0-255	0-100
15-16	White	0-65535	0-255	0-100

Profile 27: CCT & GM^HSI-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100
5-6	Green/Magenta	0-4587	Neutral/No Effect	0-8
		4588-9830	Full Minus Green	9-13
		9831-30145	-99%--1%	14-53
		30146-39976	Neutral/No Effect	54-57
		39977-60292	1%-99%	58-96
		60293-65535	Full Plus Green	97-100
7-8	Crossfade	0-65535	0-100%	0-100
9-10	Hue	0-65535	0° - 359°	0-100
11-12	Saturation	0-65535	0-100%	0-100

Profile 28: DIM & CCT-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100

Proflie29: DIM&CCT&GM-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	CCT	0-65535	2700K-10000K	0-100
5-6	Green/Magenta	0-4587	Neutral/No Effect	0-8
		4588-9830	Full Minus Green	9-13
		9831-30145	-99%--1%	14-53
		30146-39976	Neutral/No Effect	54-57
		39977-60292	1%-99%	58-96
		60293-65535	Full Plus Green	97-100

Proflie30: HSI-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	Hue	0-65535	0° - 359°	0-100
5-6	Saturation	0-65535	0-100%	0-100

Proflie31: XY-8bit

Slots	Name	DMX Value	Range	Percent
1	DIM	0-255	0-100%	0-100
2	X	0-255	0-0.8	0-100
3	Y	0-255	0-0.8	0-100

Profile32: XY-16bit

Slots	Name	DMX Value	Range	Percent
1-2	DIM	0-65535	0-100%	0-100
3-4	X	0-65535	0-0.8	0-100
5-6	Y	0-65535	0-0.8	0-100