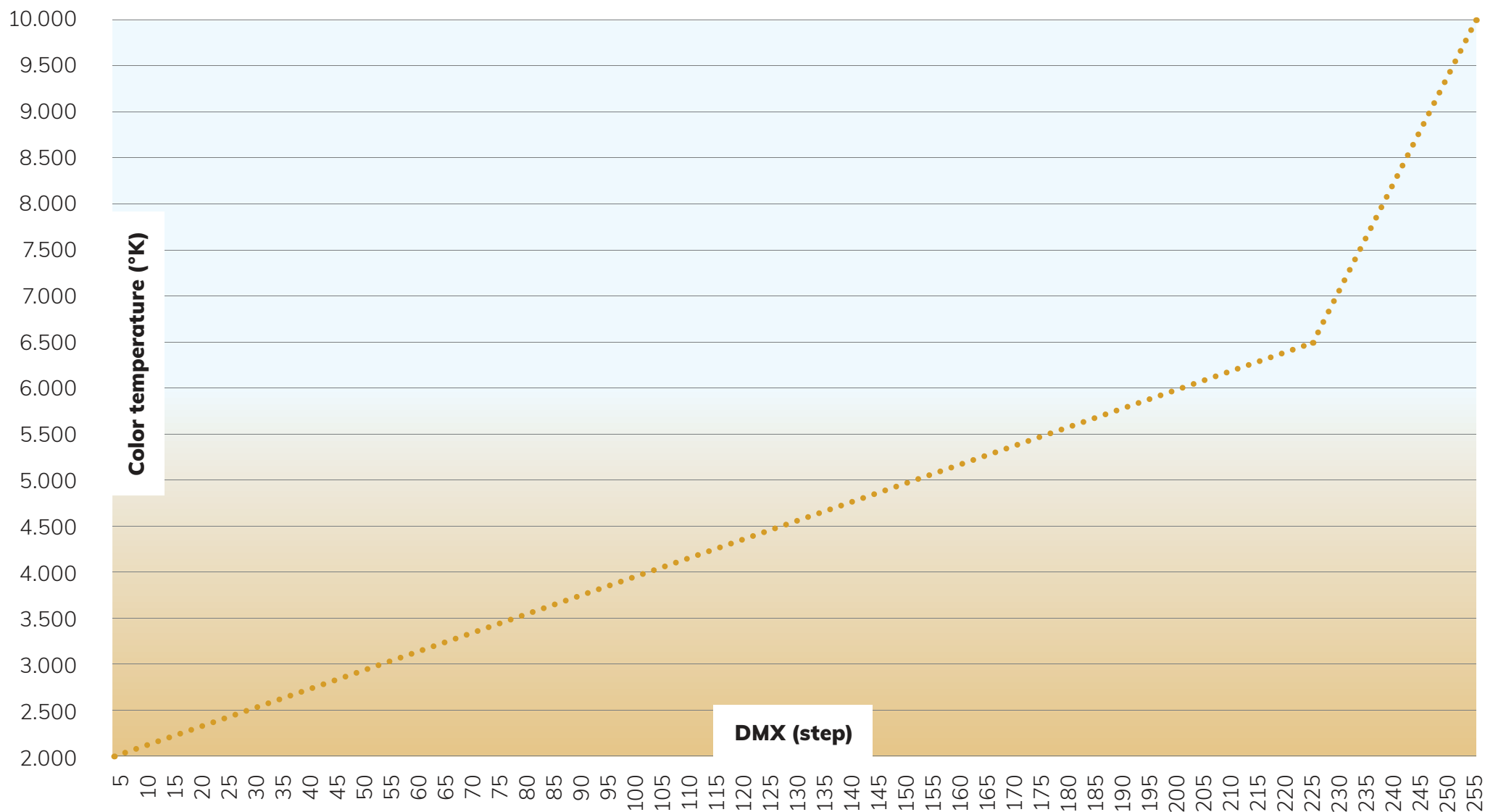


Photometrics	
LED expected lifetime	50.000 hours
Lightsource	400W RGBALC
Type of optical system	Fresnel lens 6" with manual zoom
LED PWM Frequency	selectable 800Hz, 1.200Hz, 2.000Hz, 3.600Hz, 12kHz, 25kHz
Beam angles @ narrow (50%)	9,2°
Maximum Field angles @ narrow (10%)	18,5°
Beam angles @ wide (50%)	60,9°
Maximum Field angles @ wide (10%)	78,5°
Color temperature range	2000-10.000K
CRI/Ra	up to 98
TLCI	up to 99
Luminous flux @ 5600K (High CRI) narrow / wide	3376 lm / 12158 lm
illuminance Lux @ 5m / 16,4ft (@ 5600K High CRI) narrow / wide	3301 lx / 551 lx
Efficacy @ Full (max)	29,71 lm/W
Dimensions & Weight	
IP class	IP65
IK class	IK08
Body material	Aluminum, Nylon
Lens material	Plastic
Net dimensions incl.Yoke mm (w x h x d)	320 x 405 x 370 mm
Net dimensions incl. Yoke inches (w x h x d)	12,59 x 15,94 x 14,57 inch
Net dimensions without Yoke mm (w x h x d)	238,5 x 276 x 370 mm
Net dimensions without. Yoke inches (w x h x d)	9,39 x 10,97 x 14,57 inch
Net weight (without Barndoors)	9kg / 19,84lbs
Net weight (including Barndoors)	10,5kg / 23,15lbs
Thermal Characteristics	
Cooling	Active, Heatpipe-System, Temperature-regulated
Humidity (max.)	95%
Temperature range, AC Operating	-40°C to 45°C
Temperature range, Start-Up AC Operating	-20° to 45°C
Temperature range, Storage AC only	-40°C to 80°C
Temperature range, Battery Operating	-20° to 40°C
Temperature range, Start-Up Battery Operating	-20° to 40°C
Temperature range, Storage Battery	-10°C to 25°C
Temperature range, Charging	0°C to 40°C
Thermal Protection	Automatic overtemperature protection

Electrical Data	
Operating Voltage	100 – 240V 50/60Hz
Electrical protection	Overload protection with automatic recover
Power Max.	401W @ 230V / 414W @ 100V
Power Linking	5 units @ 230V / 2 units @ 100V
Power Factor	Pf 1,0 @ 100V / Pf 0,98 @ 230V
Standby Power	9,8W
Power Thru max. @ 100V	7A (ETL) / 10A
Power Thru max. @ 230V	10A (ETL) / 13A
Power Supply Unit	Inbuilt auto-ranging electronic switch-mode
Included / optional	
Included items	8-way Barndoor, 2m Power Cable
Optional Accessories	Gel Frame, Grids (Double and Single), PO Yoke
Color options	Black – RAL 9004 (Standard) Custom color – any RAL (on request)
Operator & Controller	
DMX channels	1CH Quick, 4CH CCT, 7CH CCT, 6CH RGB, 10CH RGB, 18CH RGB, 12CH DIRECT, 14CH DIRECT, 21CH DIRECT, 6CH HSI, 12CH HSI
DMX modes	11
Protocol	USITT DMX512A RDM ANSI E1.20 optional: CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S optional: Bluetooth (Low Energy) KLSTR technology ready
Setting and addressing	TFT Display RDM ANSI E1.20 Near Field Control (NFC)
Standalone mode	Auto Program, Color Macro, Quick Color, Tunable White, User Color
Wireless DMX & Bluetooth	optional: Lumen Radio transmitt & receive function (CRMX)
indicator	TFT display
controls	8 backlighted controls
Strobe	0-30Hz
DMX I/O	IP65 XLR 5-pin male/female
Power In	TRUE1 compatible input & link-thru sockets
USB Firmware Update	IP65 USB-C socket / USB update box
Installation	
Orientation	Any
Rigging possibilities	hanging direct
Safety features	1x safety eye
Minimum distance from flammable materials	0,3 meters (11,8 inch)

CTC channel
DMX / Color temperature





DMX (Step)	Color Temp (°K)	DMX (Step)	Color Temp (°K)	DMX (Step)	Color Temp (°K)	DMX (Step)	Color Temp (°K)	DMX (Step)	Color Temp (°K)	DMX (Step)	Color Temp (°K)	DMX (Step)	Color Temp (°K)	DMX (Step)	Color Temp (°K)
0	5600	32	2550	64	3201	96	3853	128	4505	160	5156	192	5808	224	6459
1	5600	33	2570	65	3222	97	3873	129	4525	161	5176	193	5828	225	6480
2	5600	34	2590	66	3242	98	3894	130	4545	162	5197	194	5848	226	6500
3	5600	35	2611	67	3262	99	3914	131	4566	163	5217	195	5869	227	6621
4	5600	36	2631	68	3283	100	3934	132	4586	164	5238	196	5889	228	6741
5	2000	37	2652	69	3303	101	3955	133	4606	165	5258	197	5910	229	6862
6	2020	38	2672	70	3324	102	3975	134	4627	166	5278	198	5930	230	6983
7	2041	39	2692	71	3344	103	3995	135	4647	167	5299	199	5950	231	7103
8	2061	40	2713	72	3364	104	4016	136	4667	168	5319	200	5971	232	7224
9	2081	41	2733	73	3385	105	4036	137	4688	169	5339	201	5991	233	7345
10	2102	42	2753	74	3405	106	4057	138	4708	170	5360	202	6011	234	7466
11	2122	43	2774	75	3425	107	4077	139	4729	171	5380	203	6032	235	7586
12	2143	44	2794	76	3446	108	4097	140	4749	172	5400	204	6052	236	7707
13	2163	45	2814	77	3466	109	4118	141	4769	173	5421	205	6072	237	7828
14	2183	46	2835	78	3486	110	4138	142	4790	174	5441	206	6093	238	7948
15	2204	47	2855	79	3507	111	4158	143	4810	175	5462	207	6113	239	8069
16	2224	48	2876	80	3527	112	4179	144	4830	176	5482	208	6133	240	8190
17	2244	49	2896	81	3548	113	4199	145	4851	177	5502	209	6154	241	8310
18	2265	50	2916	82	3568	114	4219	146	4871	178	5523	210	6174	242	8431
19	2285	51	2937	83	3588	115	4240	147	4891	179	5543	211	6195	243	8552
20	2305	52	2957	84	3609	116	4260	148	4912	180	5563	212	6215	244	8672
21	2326	53	2977	85	3629	117	4281	149	4932	181	5584	213	6235	245	8793
22	2346	54	2998	86	3649	118	4301	150	4952	182	5604	214	6256	246	8914
23	2367	55	3018	87	3670	119	4301	151	4973	183	5624	215	6276	247	9034
24	2387	56	3038	88	3690	120	4342	152	4993	184	5645	216	6296	248	9155
25	2407	57	3059	89	3710	121	4362	153	5014	185	5665	217	6317	249	9276
26	2428	58	3079	90	3731	122	4382	154	5034	186	5686	218	6337	250	9397
27	2448	59	3100	91	3751	123	4403	155	5054	187	5706	219	6357	251	9517
28	2468	60	3120	92	3771	124	4423	156	5075	188	5726	220	6378	252	9638
29	2489	61	3140	93	3792	125	4443	157	5095	189	5747	221	6398	253	9759
30	2509	62	3161	94	3812	126	4464	158	5115	190	5767	222	6419	254	9879
31	2529	63	3181	95	3833	127	4484	159	5136	191	5787	223	6439	255	10000

1CH QUICK

4CH CCT

6CH RGB

18CH RGB / Default

14CH DIRECT

6CH HSI

7CH CCT

10CH RGB

12CH DIRECT

21CH DIRECT

12CH HSI

Channel	1CH QUICK	4CH CCT	7CH CCT	6CH RGB	10CH RGB	18CH RGB (default)	12CH DIRECT	14CH DIRECT	21CH DIRECT	6CH HSI	12CH HSI
1	Dimmer	Dimmer	Dimmer	Red	Dimmer	Dimmer	Red	Dimmer	Dimmer	Dimmer	Dimmer
2		Dimmer Fine	Dimmer Fine	Red fine	Shutter	Dimmer Fine	Red Fine	Shutter	Dimmer Fine	Dimmer fine	Dimmer Fine
3		CCT	CTC	Green	Red	Shutter	Green	Duration	Shutter	Hue	Shutter
4		Tint	Tint	Green fine	Green	Duration	Green Fine	Red	Duration	Hue fine	Hue
5			Dimmer Curve	Blue	Blue	Red	Blue	Green	Red	Saturation	Hue fine
6			Dimmer Response	Blue fine	CTC	Red Fine	Blue Fine	Blue	Red fine	Saturation fine	Saturation
7			Redshift		Tint	Green	Amber	Amber	Green		Saturation fine
8					Color Macro	Green Fine	Amber Fine	Lime	Green Fine		CTC
9					Color Macro Crossfade	Blue	Lime	Cyan	Blue		Tint
10					Device Settings	Blue Fine	Lime Fine	CTC	Blue Fine		Color Macro
11						CTC	Cyan	Tint	Amber		Color Macro Crossfade
12						Tint	Cyan Fine	Color Macro	Amber Fine		Device Settings
13						Dimmer Curve		Color Macro Crossfade	Lime		
14						Dimmer Response		Device Settings	Lime Fine		
15						Redshift			Cyan		
16						Color Macro			Cyan Fine		
17						Color Macro Crossfade			CTC		
18						Device Settings			Tint		
19									Color Macro		
20									Color Macro Crossfade		
21									Device Settings		

DMX CHART

1CH QUICK MODE (Color Calibrated)					
Ch.	Function	Value	Setting		Default
1	Dimmer	000-255	0 - 100%		0
4CH CCT MODE (Color Calibrated)					
Ch.	Function	Value	Setting		Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Fine	000-255	0 - 100%		0
3	CTC	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
4	Tint	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
7CH - CCT MODE (Color Calibrated)					
Ch.	Function	Value	Setting		Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Fine	000-255	0 - 100%		0
3	CTC	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

7CH - CCT MODE (Color Calibrated)					
4	Tint	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
5	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
6	Dimmer Response	000-084	No Function - Current Preset from Menu Settings		0
		085-170	LED / fast		
		171-255	Halogen / slow		
7	Redshift	000-84	No Function - Current Preset from Menu Settings		0
		085-170	Redshift Off		
		171-255	Redshift On		
6CH - RGB MODE (Color Calibrated)					
Ch.	Function	Value	Setting		Default
1	Red	000-255	0 - 100%		0
2	Red Fine	000-255	0 - 100%		0
3	Green	000-255	0 - 100%		0
4	Green Fine	000-255	0 - 100%		0
5	Blue	000-255	0 - 100%		0
6	Blue Fine	000-255	0 - 100%		0

10CH - RGB (Color Calibrated)					
Ch.	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
3	Red	000-255	0 - 100%	Fade to 100% = CTC	255
4	Green	000-255	0 - 100%		255

10CH - RGB (Color Calibrated)					
Ch.	Function	Value	Setting	Remark	Default
5	Blue	000-255	0 - 100%	Fade to 100% = CTC	255
6	CTC (affects RGB)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
7	Tint (affects CTC and RGB)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
8	Color Macro (override RGB/ CTC)		please see color macro chart		0
9	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
10	Device Settings			according to Device Settings RGB mode	0

18CH - RGB default (Color Calibrated)					
Ch.	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		

18CH - RGB default (Color Calibrated)					
Ch.	Function	Value	Setting	Remark	Default
4	Duration (only affects to channel 2 - Strobe 1 025-064)	000-255	0 - 100%	(only affects to channel 2 - Strobe 1 - 025-064)	0
5	Red	000-255	0 - 100%	RGB Fade to 100% = CTC	255
6	Red Fine	000-255	0 - 100%		255
7	Green	000-255	0 - 100%		255
8	Green Fine	000-255	0 - 100%		255
9	Blue	000-255	0 - 100%		255
10	Blue Fine	000-255	0 - 100%		255
11	CTC (affects RGB/Fine)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
12	Tint (affects CTC and RGB/ Fine)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
13	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		

18CH - RGB default (Color Calibrated)					
Ch.	Function	Value	Setting	Remark	Default
14	Dimmer Response	000-084	No Function - Current Preset from Menu Settings		0
		085-170	LED / fast		
		171-255	Halogen / slow		
15	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		
16	Color Macro (override RGB+Fine/CTC)		please see color macro chart		0
17	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
18	Device Settings			according to Device Settings RGB mode	0

12CH - DIRECT MODE (RAW Balance)					
Ch.	Function	Value	Setting	Remark	Default
1	Red	000-255	0 - 100%		0
2	Red Fine	000-255	0 - 100%		0
3	Green	000-255	0 - 100%		0
4	Green Fine	000-255	0 - 100%		0
5	Blue	000-255	0 - 100%		0
6	Blue Fine	000-255	0 - 100%		0
7	Amber	000-255	0 - 100%		0
8	Amber Fine	000-255	0 - 100%		0
9	Lime	000-255	0 - 100%		0
10	Lime Fine	000-255	0 - 100%		0
11	Cyan	000-255	0 - 100%		0
12	Cyan Fine	000-255	0 - 100%		0

14CH - DIRECT MODE (RAW Balance)					
Ch.	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fas ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
3	Duration (only affects to channel 2 - Strobe 1 025-064)	000-255	0 - 100%	(only affects to channel 2 - Strobe 1 - 025-064)	0

14CH - DIRECT MODE (RAW Balance)					
Ch.	Function	Value	Setting	Remark	Default
4	Red	000-255	0 - 100%	RGBALC Fade to 100% = CTC	255
5	Green	000-255	0 - 100%		
6	Blue	000-255	0 - 100%		
7	Amber	000-255	0 - 100%		
8	Lime	000-255	0 - 100%		
9	Cyan	000-255	0 - 100%		
10	CTC (affects RGBALC)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
11	Tint (affects CTC and RGBALC)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
12	Color Macro (override RGBALC/CTC)		please see color macro chart		0
13	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
14	Device Settings			according to Device Settings RGB mode	0

21CH - DIRECT MODE (RAW Balance)					
Ch.	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
4	Duration (only affects to channel 2 - Strobe 1 025-064)	000-255	0 - 100%	(only affects to channel 2 - Strobe 1 - 025-064)	0
5	Red	000-255	0 - 100%	RGBALC Fade to 100% = CTC	255

6	Red Fine	000-255	0 - 100%	RGBALC Fade to 100% = CTC	255
7	Green	000-255	0 - 100%		
8	Green Fine	000-255	0 - 100%		
9	Blue	000-255	0 - 100%		
10	Blue Fine	000-255	0 - 100%		
11	Amber	000-255	0 - 100%		
12	Amber Fine	000-255	0 - 100%		
13	Lime	000-255	0 - 100%		
14	Lime Fine	000-255	0 - 100%	according to CTC chart	0
15	Cyan	000-255	0 - 100%		
16	Cyan Fine	000-255	0 - 100%		
17	CTC (affects RGBALC/Fine)	000 - 004	5600K		
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
18	Tint (affects CTC and RGBALC/Fine)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
19	Color Macro (override RGBALC+Fine/ CTC)		please see color macro chart		0
20	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
21	Device Settings			according to Device Settings RGB mode	0

6CH - HSI MODE (Color Calibration)					
Ch.	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
1	Dimmer fine	000-255	0 - 100%		
2	Hue	000-255	0° (RED) Thru 360°		
2	Hue fine	000-255	0° (RED) Thru 360°		
3	Saturation	000-255	0 - 100%		
3	Saturation fine	000-255	0 - 100%		
12CH - HSI Mode (Color Calibration)					
Ch.	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		

12CH - HSI Mode (Color Calibration)					
Ch.	Function	Value	Setting	Remark	Default
3	Shutter	205 - 209	Shutter open		20
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
4	Hue	000-255	0° (RED) Thru 360°		0
5	Hue fine	000-255	0° (RED) Thru 360°		0
6	Saturation	000-255	0 - 100% (CTC-->HUE)		0
7	Saturation fine	000-255	0 - 100% (CTC-->HUE)		0
8	CTC (affects HUE and Saturation) --> CTC no effect if Saturation to 100%	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
9	Tint (affects CTC, HUE and Saturation). --> Tint no effect if Saturation to 100%	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
10	Color Macro (override HUE/ SATURATION/ CTC)		please see color macro chart		0
11	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
12	Device Settings				0

DMX CHART

Device Setting RGB & HSI Modes				
Ch.	Settings	DMX Value	Function	remark
	Device Settings (please see remark *1)	000-005	No function	
		6	Display Backlight On (hold 3s)	
		7	Display Backlight Off (hold 3s)	
		8	Display Lock On (hold 3s)	
		9	Display Lock Off (hold 3s)	
		010-014	reserved / no function	
		15	DMX Fail - Blackout (hold 3s)	
		16	DMX Fail - Hold (hold 3s)	
		17	DMX Fail - Emergency Light (hold 3s)	
		018-022	reserved / no function	
		23	Linear Dimmer Curve (hold 3s)	
		24	Exponential Dimmer Curve (hold 3s)	
		25	Logarithmic Dimmer Curve (hold 3s)	
		26	S-Curve Dimmer Curve (hold 3s)	
		027-031	reserved / no function	
		32	Dimmer Response LED / fast (hold 3s)	
		33 reserved	reserved / no function	
		34	Dimmer Respononse Halogen / slow (hold 3s)	
		035-039	reserved / no function	
		40	Calibration - High CRI (Colors & CCT / hold 3s)	
		41	Calibration - Normal CRI (Colors & CCT / hold 3s)	
		042-046	reserved / no function	
		47	LED Frequency 800Hz (hold 3s)	
		48	LED Frequency 1200Hz (hold 3s)	
		49	LED Frequency 2000Hz (hold 3s)	
		50	LED Frequency 3600Hz (hold 3s)	
		51	LED Frequency 12kHz (hold 3s)	
		52	LED Frequency 25kHz (hold 3s)	

Device Setting RGB & HSI Modes				
Ch.	Settings	DMX Value	Function	remark
	Device Settings (please see remark *1)	053-057	reserved / no function	
		58	Fan Auto 1 (hold 3s)	
		59	Fan Auto 2 (hold 3s)	
		60	Fan Silent (hold 3s)	
		61	Fan Studio (hold 3s)	
		62	Fan Off (hold 3s)	
		63	Fan High Power (hold 3s)	
		064-068	reserved / no function	
		69	Redshift On (hold 3s)	Redshift (affects only between 2700-3500K)
		70	Redshift Off (hold 3s)	
		071-244	reserved / no function	
		245	Snapshot (hold 3s)	
		246-248	reserved / no function	
		249	User Reset (hold 3s)	No Change of DMX Address and Model / Reset activates only if Shutter is set to DMX 250
		250	Factory Reset (hold 3s)	No Change of DMX Address and Model / Reset activates only if Shutter is set to DMX 250
		251 - 255 reserved	No Function	

Remark *1: After adjustments please set the value back to 000 to avoid any disturbance by endless function call.

Device Setting DIRECT Modes				
Ch.	Settings	DMX Value	Function	remark
	Device Settings (please see remark *1)	000-005	No function	
		6	Display Backlight On (hold 3s)	
		7	Display Backlight Off (hold 3s)	
		8	Display Lock On (hold 3s)	
		9	Display Lock Off (hold 3s)	
		010-014	reserved / no function	
		15	DMX Fail - Blackout (hold 3s)	
		16	DMX Fail - Hold (hold 3s)	
		17	DMX Fail - Emergency Light (hold 3s)	
		018-022	reserved / no function	
		23	Linear Dimmer Curve (hold 3s)	
		24	Exponential Dimmer Curve (hold 3s)	
		25	Logarithmic Dimmer Curve (hold 3s)	
		26	S-Curve Dimmer Curve (hold 3s)	
		027-031	reserved / no function	
		32	Dimmer Response LED / fast (hold 3s)	
		33 reserved	reserved / no function	
		34	Dimmer Respononse Halogen / slow (hold 3s)	
		035-039	reserved / no function	
		40	RAW Mode (hold 3s)	
		41	User Calibration (hold 3s)	
		042-046	reserved / no function	
		47	LED Frequency 800Hz (hold 3s)	
		48	LED Frequency 1200Hz (hold 3s)	
		49	LED Frequency 2000Hz (hold 3s)	
		50	LED Frequency 3600Hz (hold 3s)	
		51	LED Frequency 12kHz (hold 3s)	

Device Setting DIRECT Modes				
Ch.	Settings	DMX Value	Function	remark
	Device Settings (please see remark *1)	52	LED Frequency 25kHz (hold 3s)	
		053-057	reserved / no function	
		58	Fan Auto 1 (hold 3s)	
		59	Fan Auto 2 (hold 3s)	
		60	Fan Silent (hold 3s)	
		61	Fan Studio (hold 3s)	
		62	Fan Off (hold 3s)	
		63	Fan High Power (hold 3s)	
		064-068	reserved / no function	
		69	Redshift On (hold 3s)	Redshift (affects only between 2700-3500K)
		70	Redshift Off (hold 3s)	
		245	Snapshot (hold 3s)	
		246-248	reserved / no function	
		249	User Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		250	Factory Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		251 - 255 reserved	No Function	

Remark *1: After adjustments please set the value back to 000 to avoid any disturbance by endless function call.

ROXX[®]

ROXX ICON F-Series

Fresnel lights



Gels - Color Macros for DMX

DMX value	Gel Name	Color Number
000-005	no function	
006-008	Red	100% Red LED
009-011	Fire	LEE 019
012-014	Medium Red	LEE 027
015-017	Primary Red	LEE 106
018-020	Med Amber	LEE 020
021-023	Dark Amber	LEE 022
024-026	Deep Amber	LEE 104
027-029	Orange	LEE 105
030-032	Deep Golden Amber	LEE 135
033-035	Yellow	LEE 101
036-038	Green	100% Green LED
039-041	Lime Green	LEE 088
042-044	Moss Green	LEE 089
045-047	LEE Green	LEE 121
048-050	Primary Green	LEE 139
051-053	Jas Green	LEE 738
054-056	Jade	LEE 323
057-059	Blue	100% Blue LED
060-062	Sky Blue	LEE 068
063-065	Tokyo Blue	LEE 071
066-068	Light Blue	LEE 118
069-071	Marine Blue	LEE 131
072-074	Med Blue	LEE 132
075-077	Congo Blue	LEE 181
078-080	Mikkel Blue	LEE 716
081-083	Rose Pink	LEE 002
084-086	Med Pink	LEE 036
087-089	Light Lavender	LEE 052
090-092	Lavender	LEE 058
093-095	Magenta	LEE 113
096-098	Mauve	LEE 126
099-101	Smokey Pink	LEE 127

Gels - Color Macros for DMX

DMX value	Gel Name	Color Number
102-104	Special Med Lavender	LEE 343
105-107	Ultimate Violet	LEE 707
108-110	Magical Magenta	LEE 795
111-113	Chrysalis Pink	LEE 798
114-116	Specia KH Lavender	LEE 799
117-119	Bulb White	2700K
120-122	Halogen White	3200K
123-125	Neutral White	4200K
126-128	Daylight White	5600K
129-131	Cold White I	6000K
132-134	Cold White II	6300K
135-137	White (only if available)	100% White LED
138-140	Amber (only if available)	100% Amber LED
141-143	Lime (only if available)	100% Lime LED
144-146	Cyan (only if available)	100% Cyan LED
147-149	User Color 1	
150-152	User Color 2	
153-155	User Color 3	
156-158	User Color 4	
159-161	User Color 5	
162-164	Color Jumping stop	
165-209	Color Jumping speed slow @ fast	color 1-37
210-255	Color fading speed slow @ fast	color 1-37

Gels - Color Macros for Standalone Mode

Position	Gel Name	Color Number
1	Red	100% Red LED
2	Fire	LEE 019
3	Medium Red	LEE 027
4	Primary Red	LEE 106
5	Med Amber	LEE 020
6	Dark Amber	LEE 022
7	Deep Amber	LEE 104
8	Orange	LEE 105
9	Deep Golden Amber	LEE 135
10	Yellow	LEE 101
11	Green	100% Green LED
12	Lime Green	LEE 088
13	Moss Green	LEE 089
14	LEE Green	LEE 121
15	Primary Green	LEE 139
16	Jas Green	LEE 738
17	Jade	LEE 323
18	Blue	100% Blue LED
19	Sky Blue	LEE 068
20	Tokyo Blue	LEE 071
21	Light Blue	LEE 118
22	Marine Blue	LEE 131
23	Med Blue	LEE 132
24	Congo Blue	LEE 181
25	Mikkel Blue	LEE 716
26	Rose Pink	LEE 002
27	Med Pink	LEE 036
28	Light Lavender	LEE 052

Gels - Color Macros for Standalone Mode

Position	Gel Name	Color Number
29	Lavender	LEE 058
30	Magenta	LEE 113
31	Mauve	LEE 126
32	Smokey Pink	LEE 127
33	Special Med Lavender	LEE 343
34	Ultimate Violet	LEE 707
35	Magical Magenta	LEE 795
36	Chrysalis Pink	LEE 798
37	Specia KH Lavender	LEE 799
38	Bulb White	2700K
39	Halogen White	3200K
40	Neutral White	4200K
41	Daylight White	5600K
42	Cold White I	6000K
43	Cold White II	6300K
44	White (only if available)	100% White LED
45	Amber (only if available)	100% Amber LED
46	Lime (only if available)	100% Lime LED
47	Cyan (only if available)	100% Cyan LED

