

Light efficiency:



Light quality:



Color temperature:



Output: 465 lm
Peak: 1171 cd
Power: 12.9 W
PF: 0.98

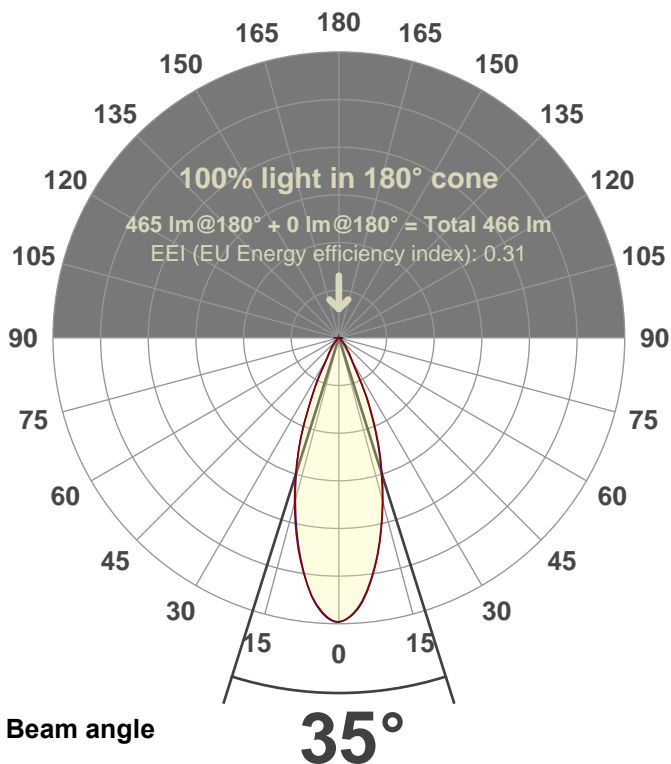


Product name:

137420-XTM19-13LM-30K-83-SSA40-120-ELV-MC-900300MC-900310

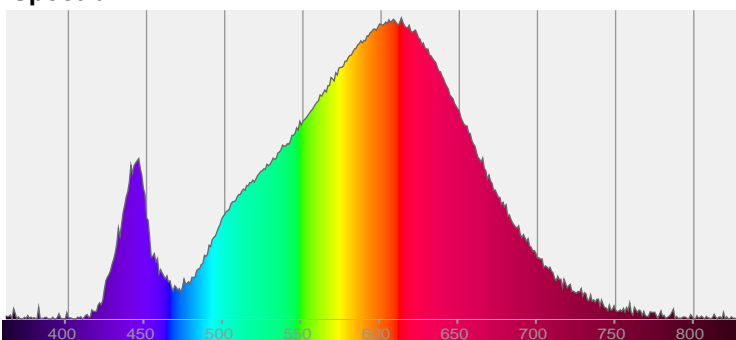
Date and time:

3/19/2018 9:42:49 AM

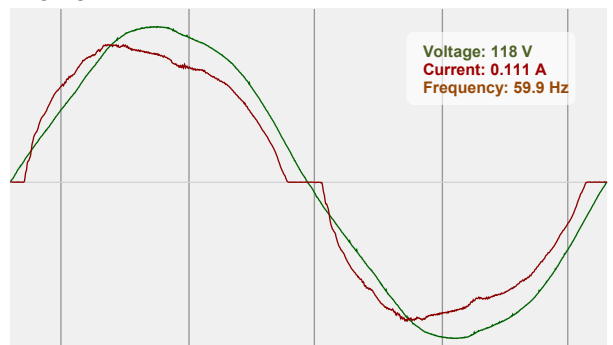


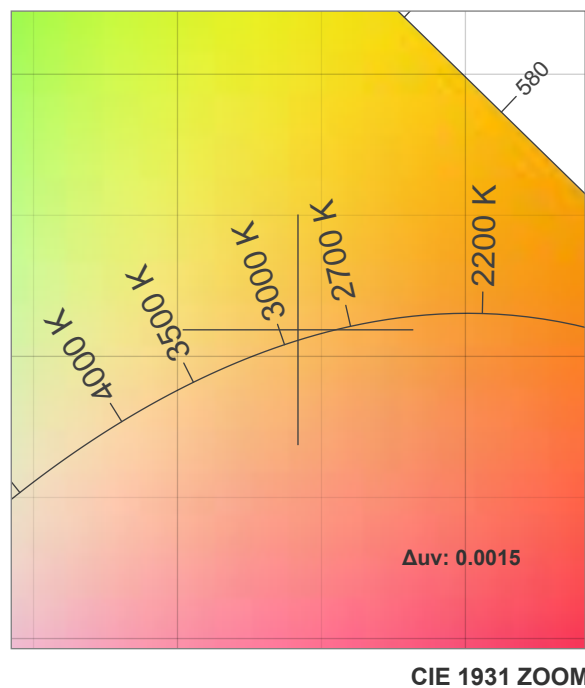
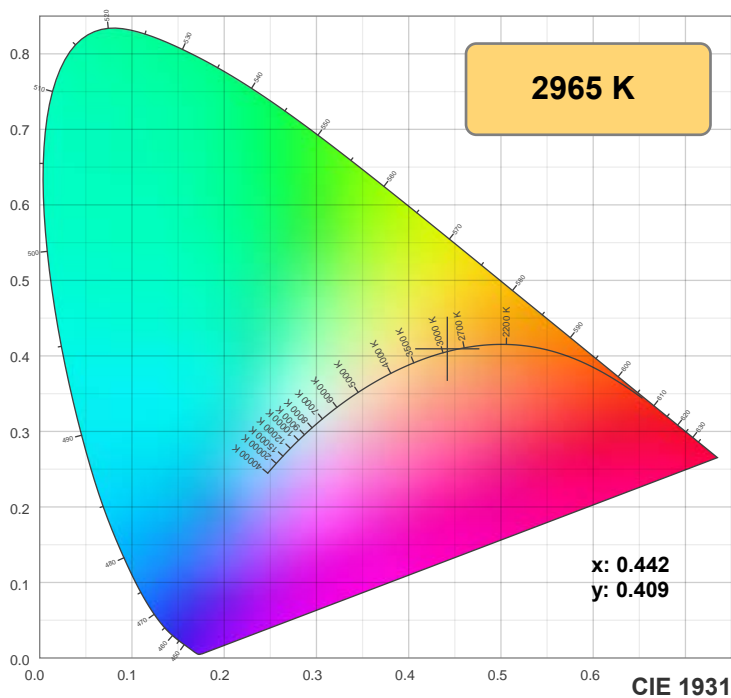
CIE 1931
x: 0.442
y: 0.409

Spectra

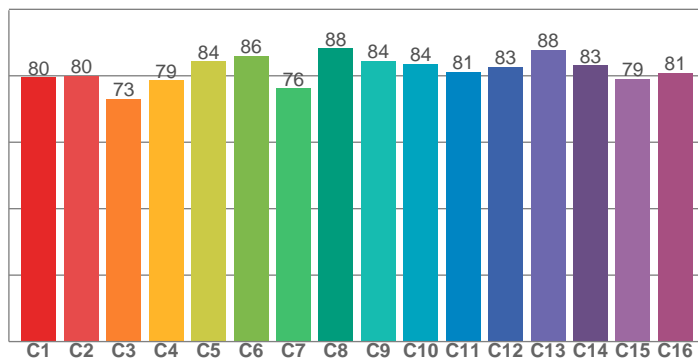


Power

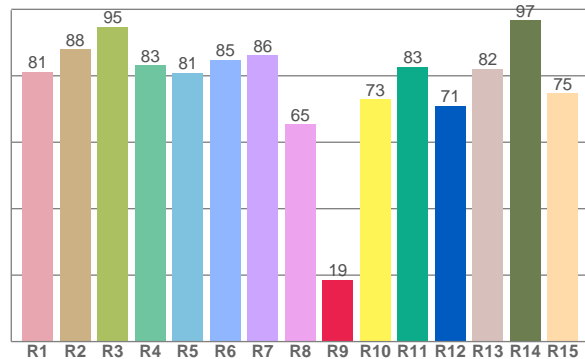




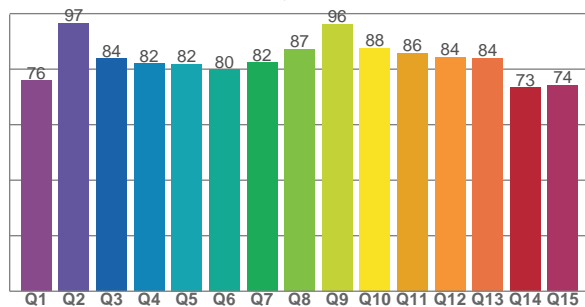
TM30: 81.6



CRI: 83.0 (R1-R8)



CQS: 82.3



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81.2	88.0	94.7	83.3	80.9	84.8	86.1	65.4	18.6	73.0	82.7	71.0	82.2	96.7	74.6

TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.6	79.9	73.0	78.7	84.4	86.0	76.2	88.2	84.4	83.6	81.1	82.6	87.8	83.2	79.1	80.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.8	96.7	83.8	82.0	81.9	79.8	82.4	87.2	96.3	87.6	85.9	84.4	83.9	73.4	74.2

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2965 K	83.0	18.6	81.6	99.2	82.3	0.442	0.409	0.251	0.349	0.0015

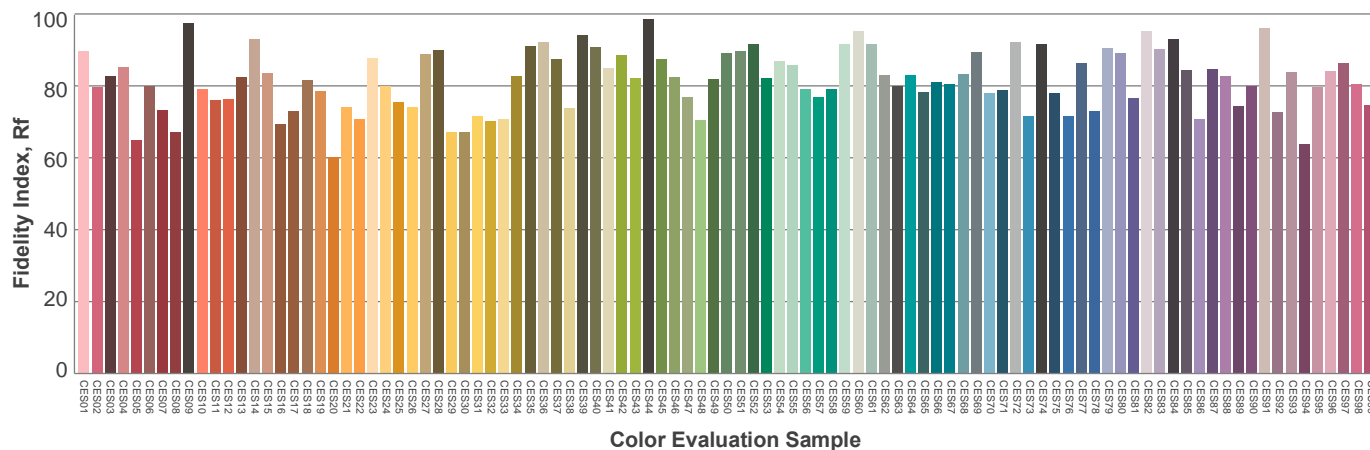
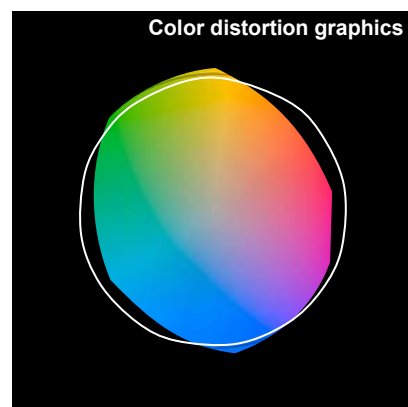
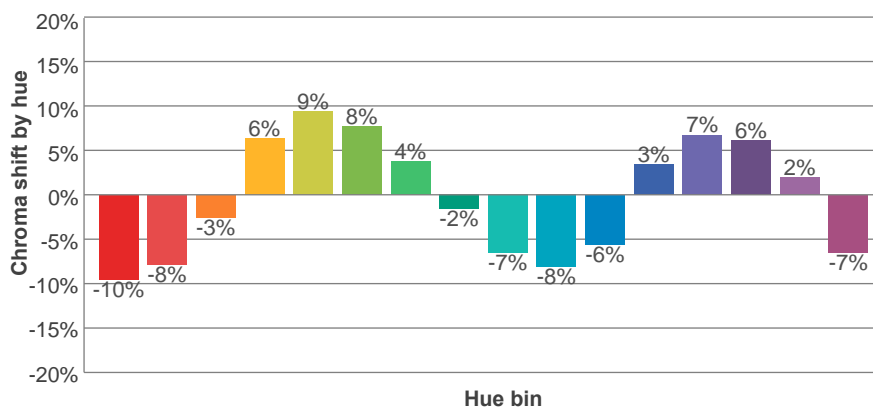
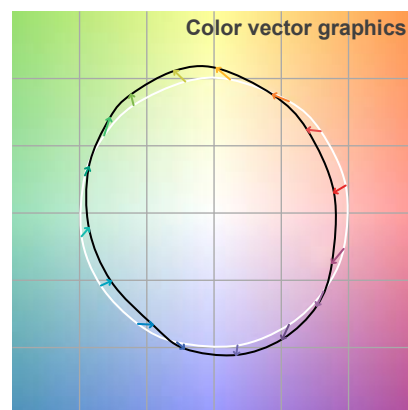
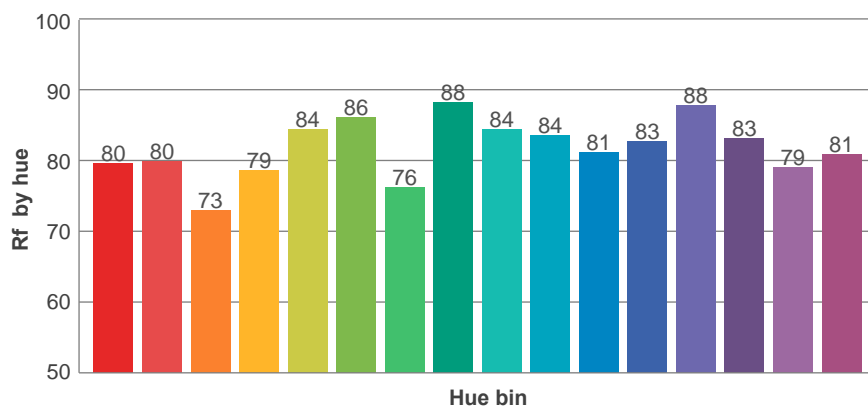
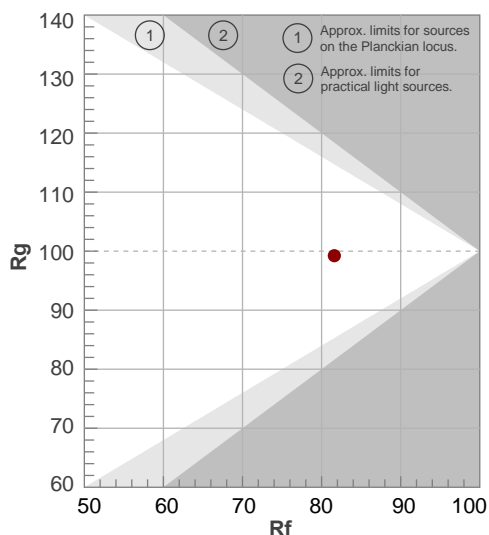
Rf 81.6

Fidelity index Rf

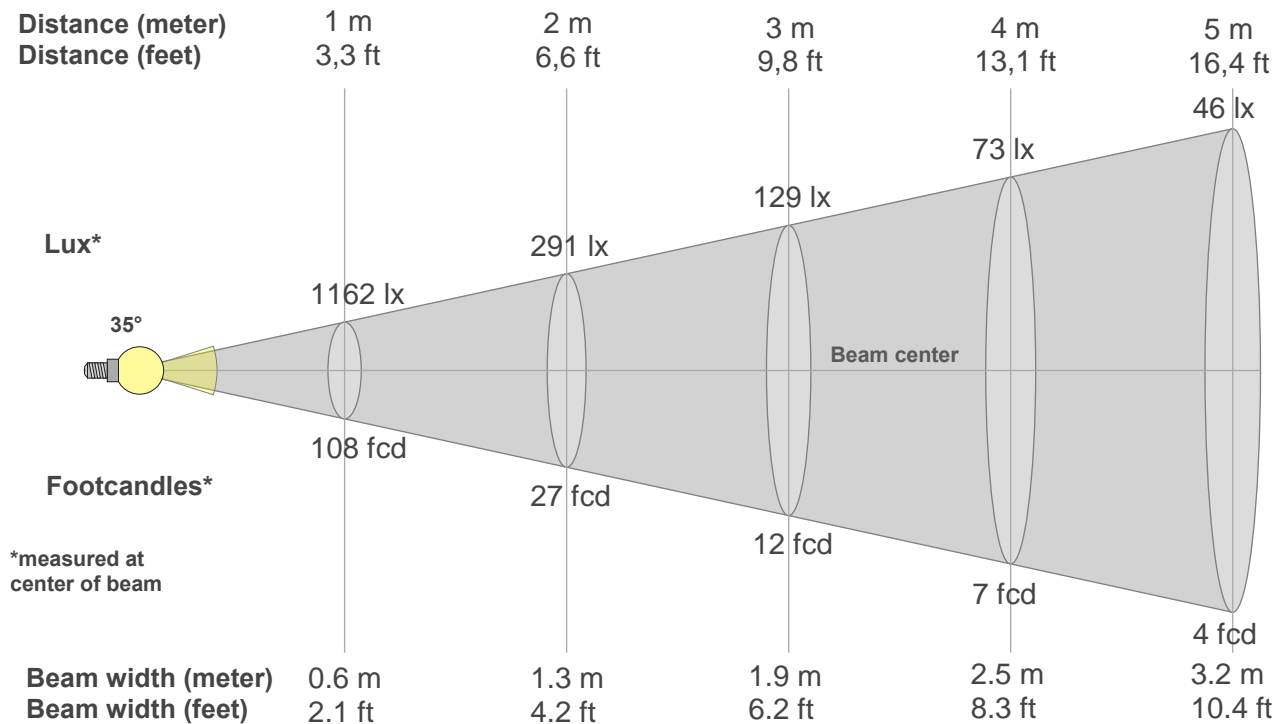
Rg 99.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-10%	-3%
2	80	-8%	7%
3	73	-3%	13%
4	79	6%	11%
5	84	9%	6%
6	86	8%	-3%
7	76	4%	-13%
8	88	-2%	-7%
9	84	-7%	-5%
10	84	-8%	1%
11	81	-6%	10%
12	83	3%	6%
13	88	7%	-2%
14	83	6%	-10%
15	79	2%	-11%
16	81	-7%	-12%



Beam Details



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
1162lx	291lx	129lx	73lx	46lx	32lx	24lx	18lx	14lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
108fcd	27fcd	12fcd	6.7fcd	4.3fcd	3fcd	2.2fcd	1.7fcd	1.3fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1162	1137	1112	1055	985	912	826	741	655	570	485	400	315	241	169	112	93	73	59	47
100%	98%	96%	91%	85%	78%	71%	64%	56%	49%	42%	34%	27%	21%	15%	10%	8%	6%	5%	4%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1162	1136	1109	1050	981	907	822	736	649	561	474	389	304	231	160	106	87	67	54	42
100%	98%	95%	90%	84%	78%	71%	63%	56%	48%	41%	33%	26%	20%	14%	9%	7%	6%	5%	4%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1162	1142	1108	1063	991	919	835	747	659	569	479	389	300	220	162	104	83	68	54	43
100%	98%	95%	91%	85%	79%	72%	64%	57%	49%	41%	33%	26%	19%	14%	9%	7%	6%	5%	4%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1162	1144	1110	1065	988	911	825	736	648	561	475	387	300	221	164	106	83	68	55	43
100%	98%	96%	92%	85%	78%	71%	63%	56%	48%	41%	33%	26%	19%	14%	9%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35°	58.9°	81.3°	99.3%	97.8%