

Light efficiency:

45 Lumen/Watt

Light quality:

CRI: 83.3

Color temperature:

2971 K

Output: 575 lm

Peak: 2397 cd

Power: 12.9 W

PF: 0.98

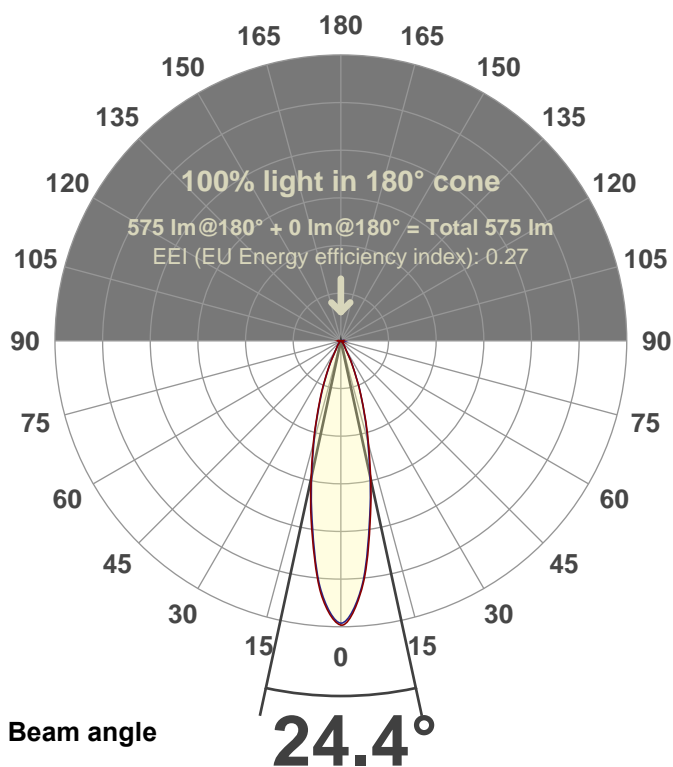


Product name:

137420-XTM19-13LM-30K-83-SSA20-120-ELV-MC-900300MC-900310

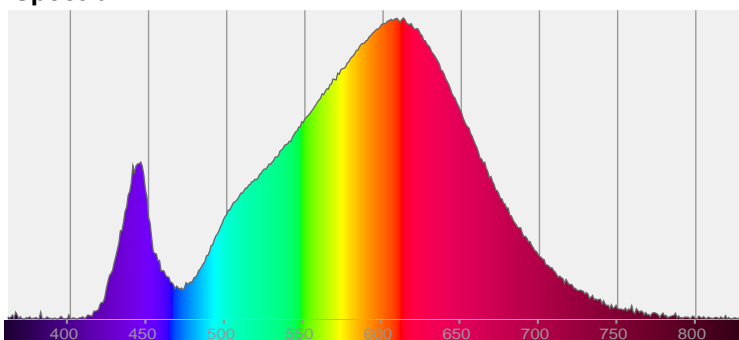
Date and time:

3/19/2018 9:40:23 AM

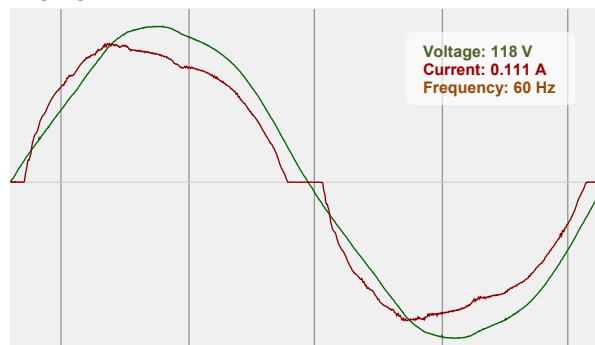


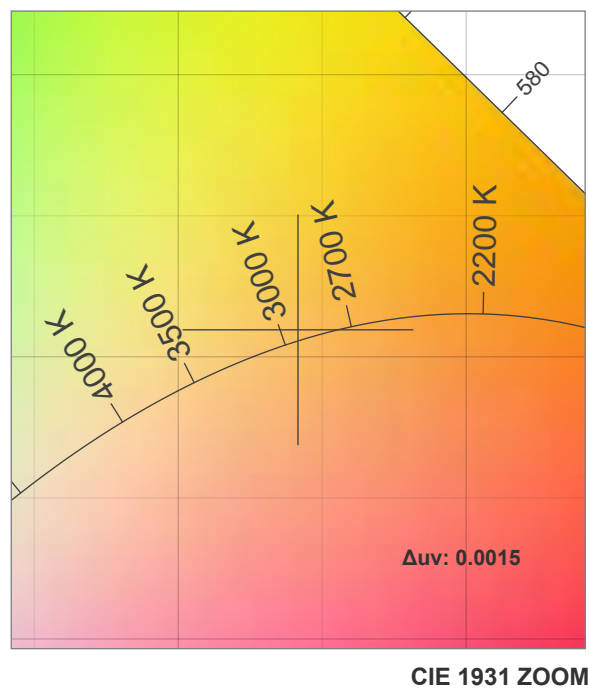
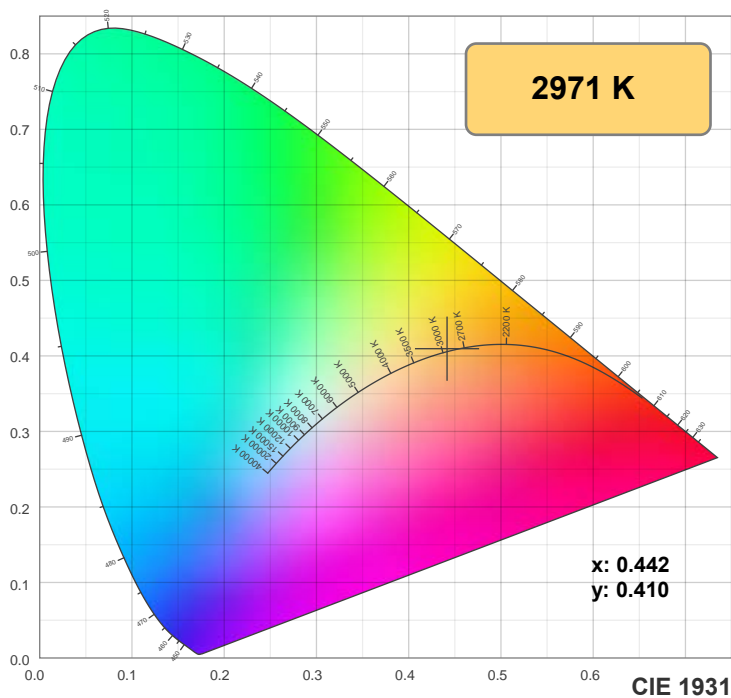
CIE 1931
x: 0.442
y: 0.410

Spectra

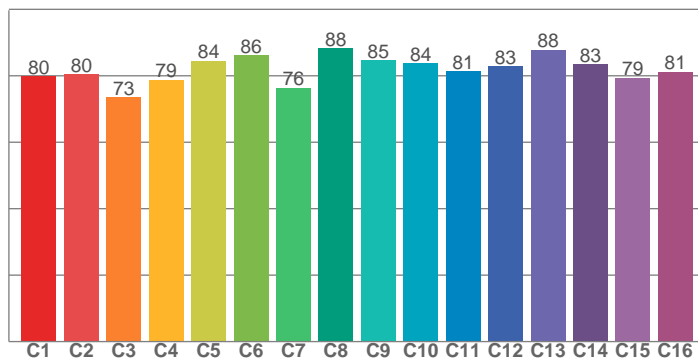


Power

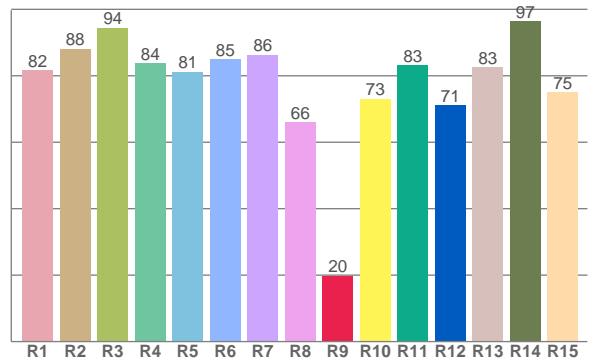




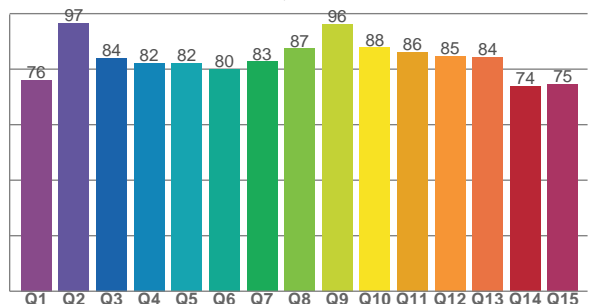
TM30: 81.8



CRI: 83.3 (R1-R8)



CQS: 82.5



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
81.6	88.2	94.5	83.7	81.2	84.9	86.4	66.0	19.8	73.1	83.1	71.2	82.5	96.5	75.1

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
79.9	80.4	73.5	78.8	84.4	86.1	76.4	88.3	84.6	83.7	81.4	82.8	87.8	83.4	79.4	81.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.1	96.7	84.0	82.2	82.1	80.1	82.7	87.5	96.3	87.7	86.1	84.8	84.3	73.8	74.5

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
2971 K	83.3	19.8	81.8	99.3	82.5	0.442	0.410	0.251	0.349	0.0015

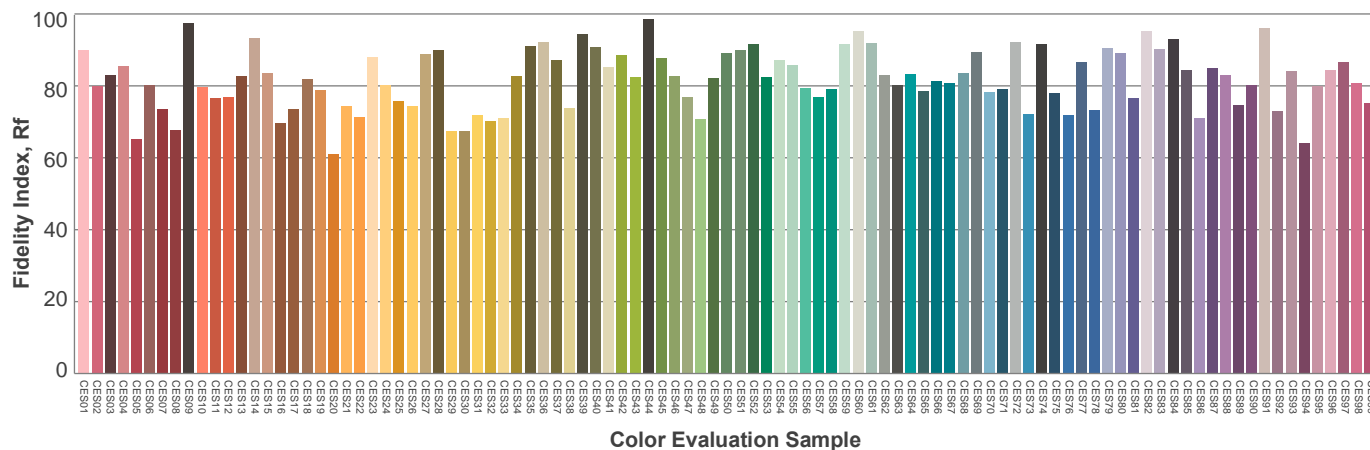
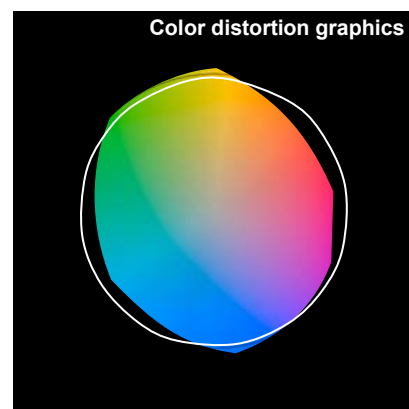
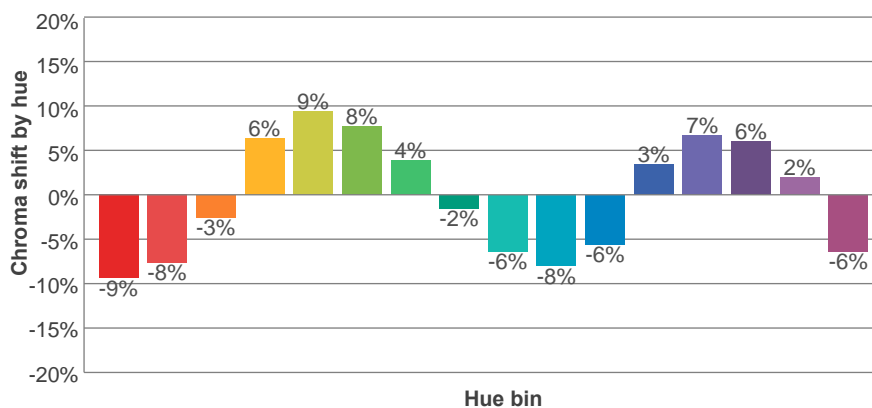
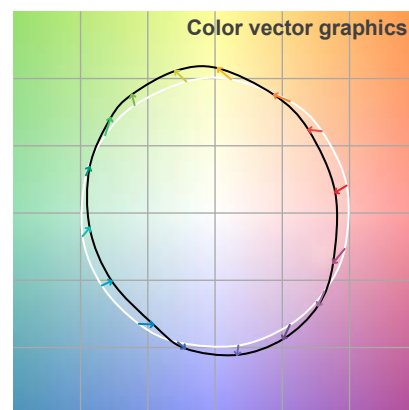
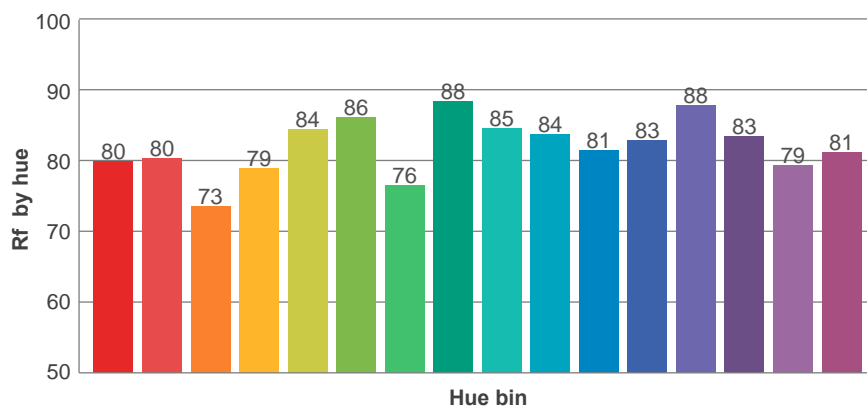
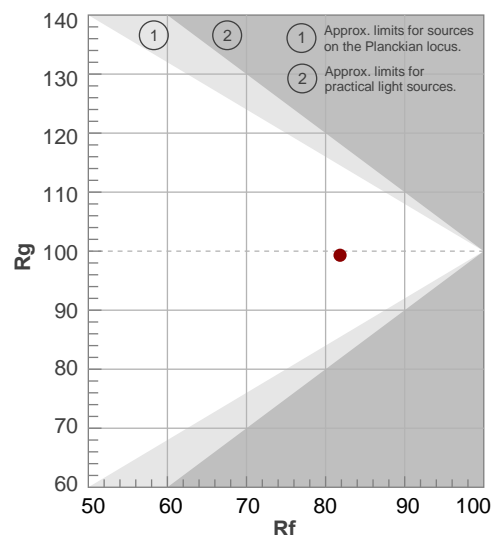
Rf 81.8

Fidelity index Rf

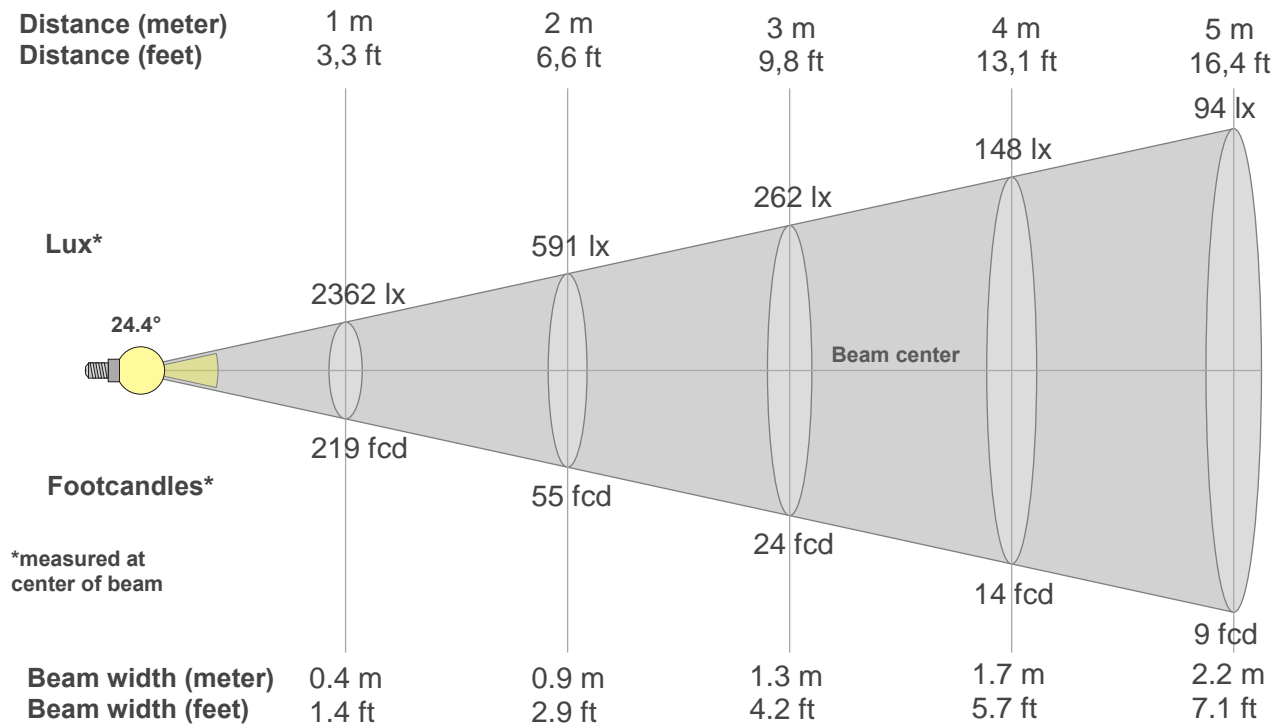
Rg 99.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-9%	-3%
2	80	-8%	6%
3	73	-3%	12%
4	79	6%	11%
5	84	9%	6%
6	86	8%	-3%
7	76	4%	-13%
8	88	-2%	-7%
9	85	-6%	-5%
10	84	-8%	1%
11	81	-6%	9%
12	83	3%	6%
13	88	7%	-2%
14	83	6%	-10%
15	79	2%	-11%
16	81	-6%	-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
2362lx	591lx	262lx	148lx	94lx	66lx	48lx	37lx	29lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx	6lx
219.4fcd	54.9fcd	24.4fcd	13.7fcd	8.8fcd	6.1fcd	4.5fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd

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°
2362	2273	2131	1954	1699	1445	1223	1008	815	661	507	396	291	204	145	86	69	57	46	37
100%	96%	90%	83%	72%	61%	52%	43%	34%	28%	21%	17%	12%	9%	6%	4%	3%	2%	2%	2%

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°
2362	2247	2117	1928	1672	1415	1198	981	797	646	495	390	286	203	139	77	64	51	41	32
100%	95%	90%	82%	71%	60%	51%	42%	34%	27%	21%	17%	12%	9%	6%	3%	3%	2%	2%	1%

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°
2362	2258	2153	1944	1698	1455	1225	995	815	649	500	389	278	201	131	80	65	51	41	32
100%	96%	91%	82%	72%	62%	52%	42%	34%	27%	21%	16%	12%	9%	6%	3%	3%	2%	2%	1%

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°
2362	2242	2122	1925	1671	1420	1198	976	792	632	479	372	265	188	127	75	63	52	42	34
100%	95%	90%	81%	71%	60%	51%	41%	34%	27%	20%	16%	11%	8%	5%	3%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.4°	49.7°	65.7°	99.4%	98.4%