

Light efficiency:

**62 Lumen/Watt**

Light quality:

**CRI: 82.6**

Color temperature:

**2975 K**

**Output: 798 lm**

**Peak: 767 cd**

**Power: 12.9 W**

**PF: 0.98**

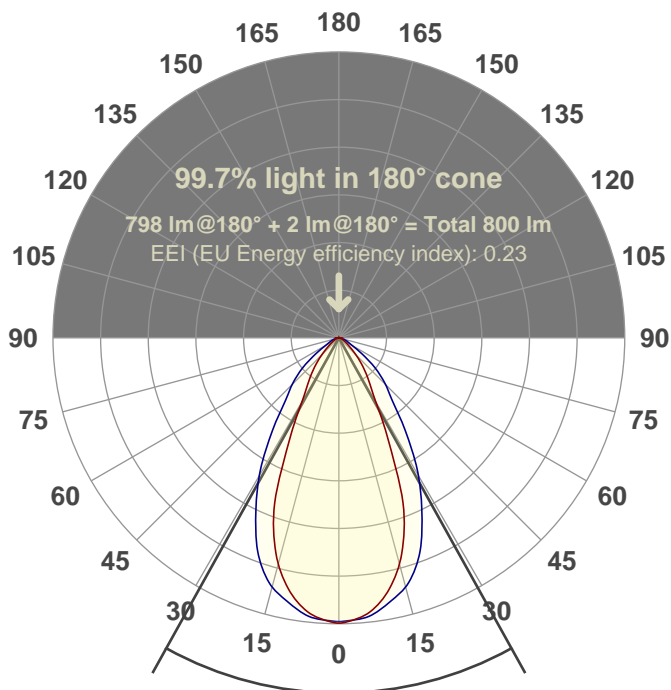


Product name:

**137420-XTM19-13LM-30K-83-SSA60-120-  
ELV-MC-900300MC-900320**

Date and time:

**3/19/2018 8:57:11 AM**



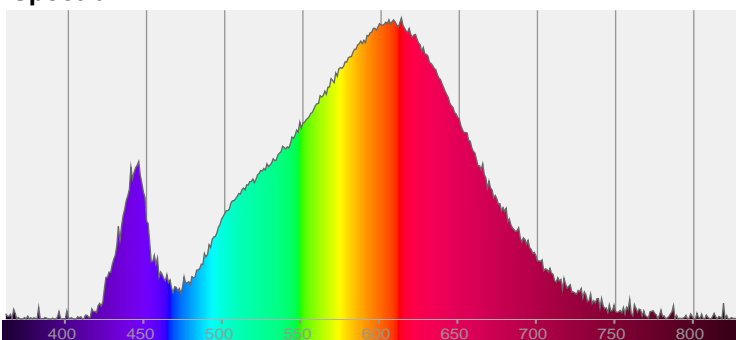
Beam angle

**58.1°**

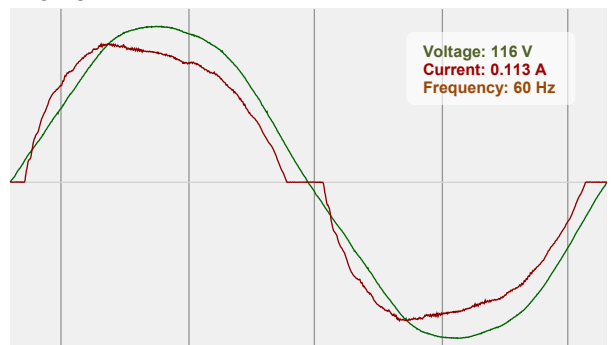


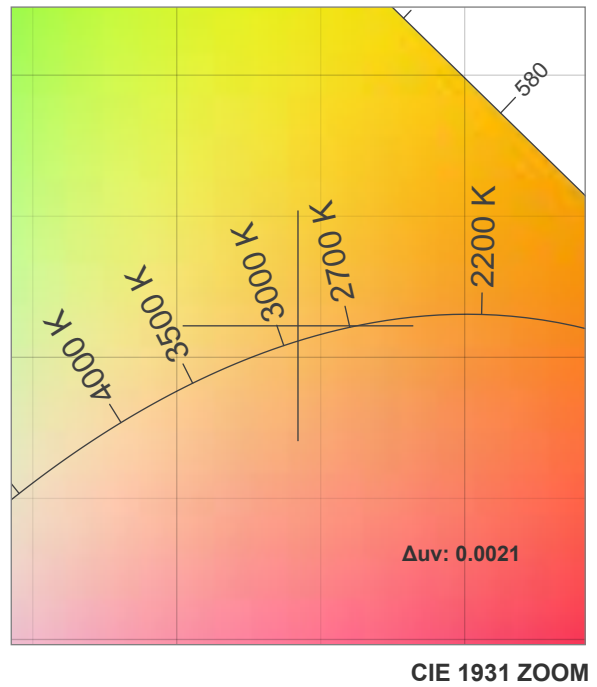
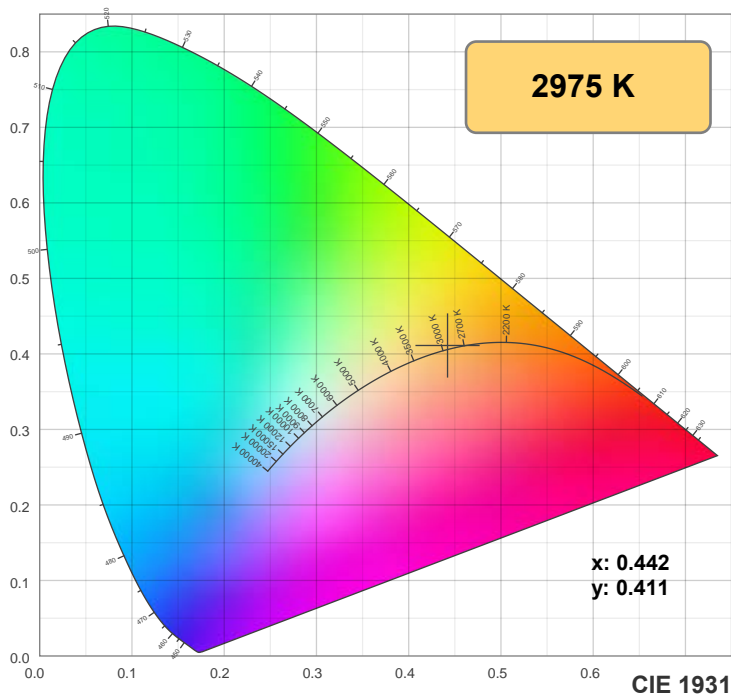
CIE 1931  
x: 0.442  
y: 0.411

Spectra

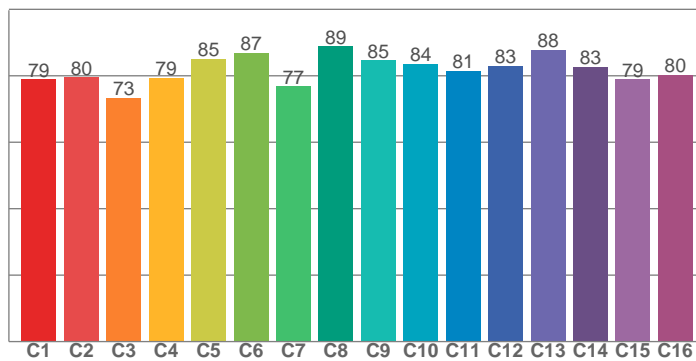


Power

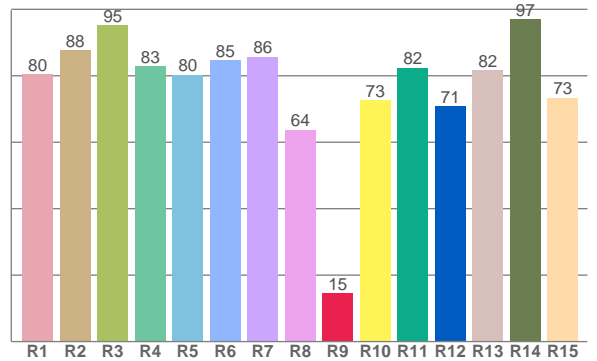




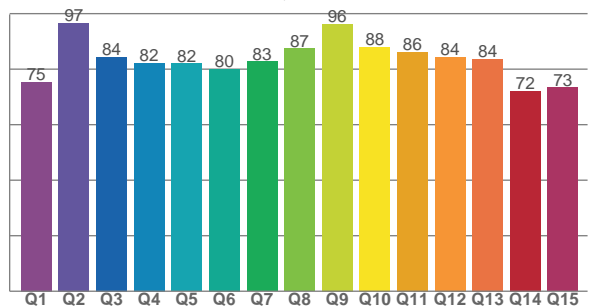
TM30: 81.7



CRI: 82.6 (R1-R8)



CQS: 82.2



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
80.5	87.8	95.2	82.9	80.3	84.7	85.7	63.8	14.6	72.7	82.4	70.8	81.6	97.0	73.4

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
78.9	79.5	73.3	79.4	85.1	86.9	76.8	88.8	84.6	83.6	81.4	83.1	87.8	82.8	78.9	80.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.4	96.6	84.4	82.2	82.0	80.1	82.8	87.4	96.2	88.0	86.2	84.4	83.6	72.2	73.3

## 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	$\Delta uv$
2975 K	82.6	14.6	81.7	98.6	82.2	0.442	0.411	0.251	0.350	0.0021

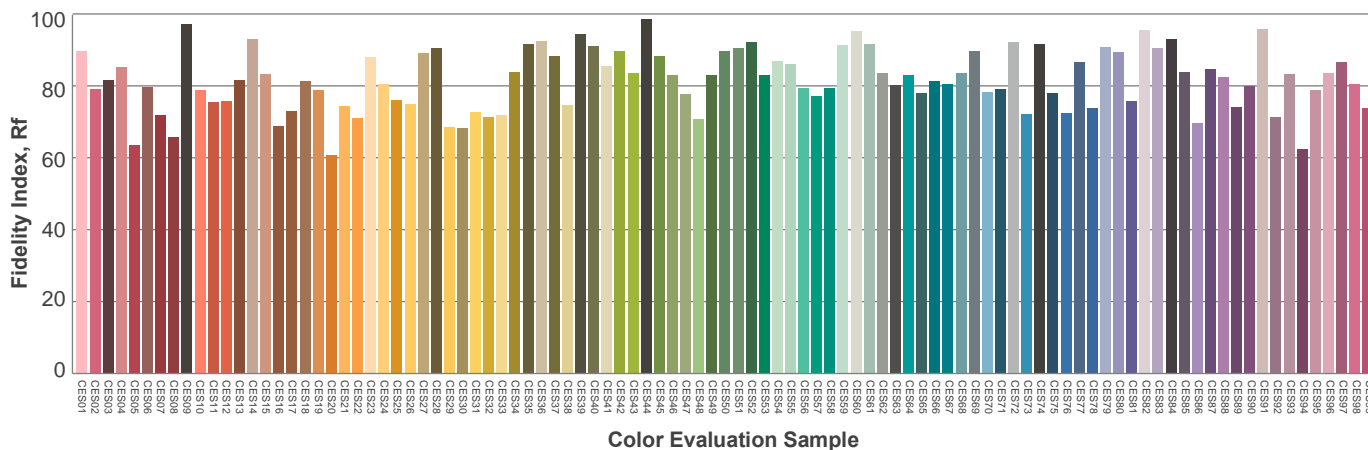
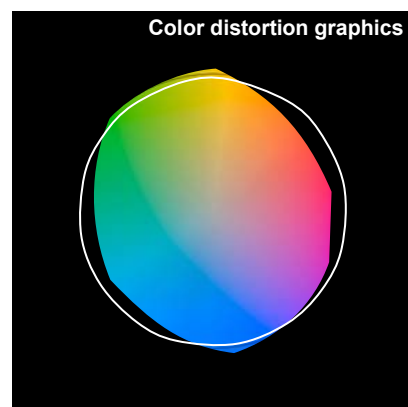
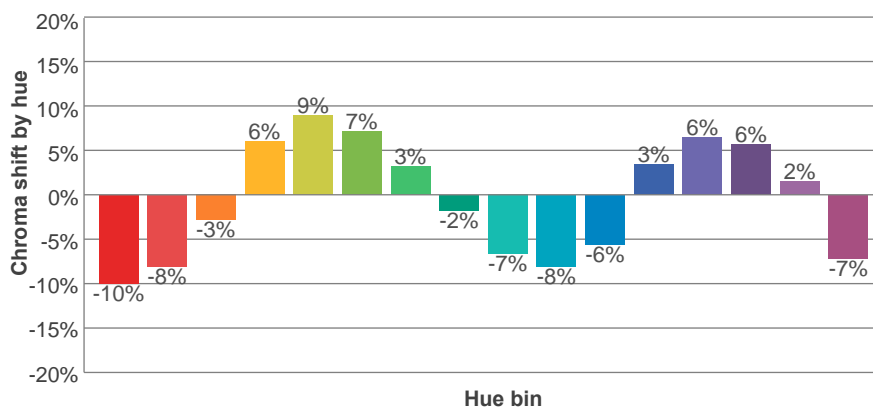
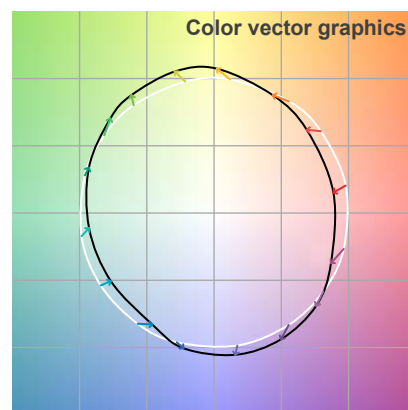
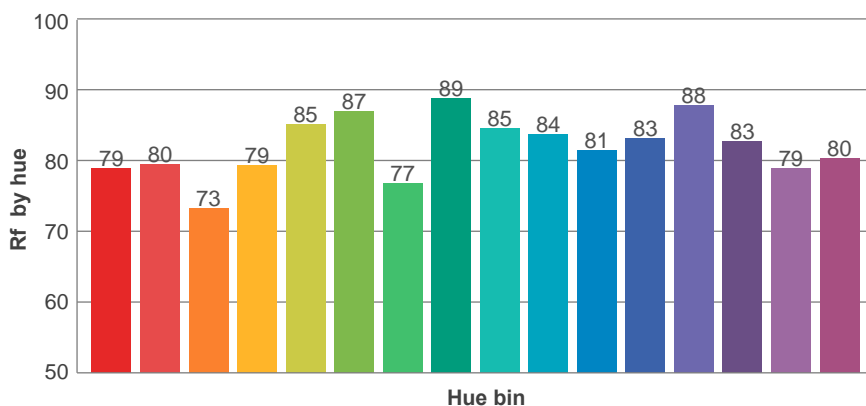
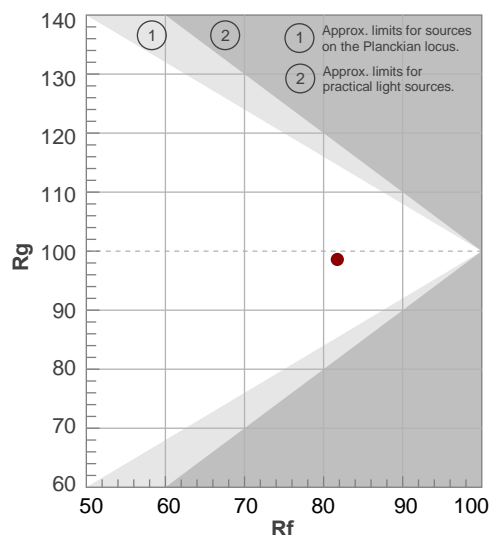
**Rf 81.7**

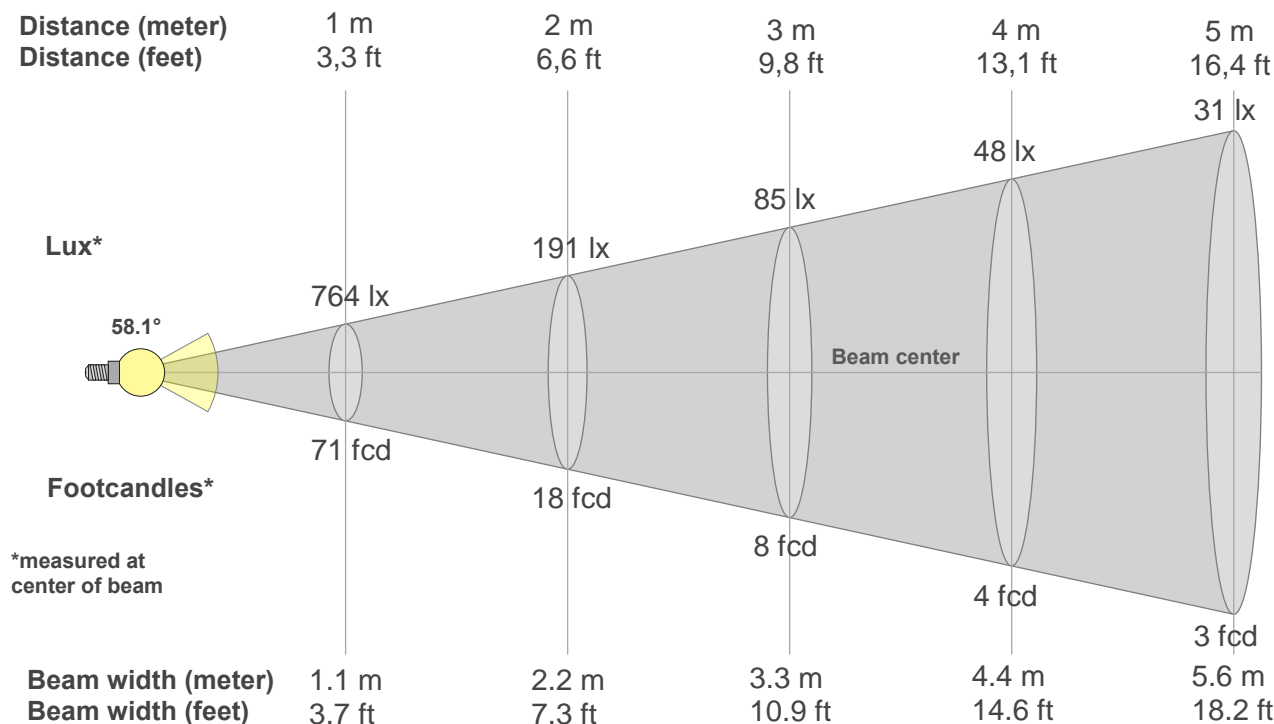
Fidelity index Rf

**Rg 98.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	80	-8%	7%
3	73	-3%	12%
4	79	6%	11%
5	85	9%	6%
6	87	7%	-3%
7	77	3%	-13%
8	89	-2%	-6%
9	85	-7%	-5%
10	84	-8%	1%
11	81	-6%	9%
12	83	3%	6%
13	88	6%	-3%
14	83	6%	-11%
15	79	2%	-12%
16	80	-7%	-12%





### 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
764lx	191lx	85lx	48lx	31lx	21lx	16lx	12lx	9lx	8lx	6lx	5lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx
71fcd	17.7fcd	7.9fcd	4.4fcd	2.8fcd	2fcd	1.4fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd

### Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
764	751	706	628	510	339	206	142	101	66	41	25	16	11	8	4	3	1	0	0
100%	98%	92%	82%	67%	44%	27%	19%	13%	9%	5%	3%	2%	1%	1%	1%	0%	0%	0%	0%

### Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
764	758	732	694	628	531	429	321	230	178	130	79	42	28	19	10	4	1	1	0
100%	99%	96%	91%	82%	69%	56%	42%	30%	23%	17%	10%	6%	4%	3%	1%	0%	0%	0%	0%

### Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
764	751	706	628	510	339	206	142	101	66	41	25	16	11	8	4	3	1	0	0
100%	98%	92%	82%	67%	44%	27%	19%	13%	9%	5%	3%	2%	1%	1%	1%	0%	0%	0%	0%

### Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
764	758	732	694	628	531	429	321	230	178	130	79	42	28	19	10	4	1	1	0
100%	99%	96%	91%	82%	69%	56%	42%	30%	23%	17%	10%	6%	4%	3%	1%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58.1°	100.4°	127.9°	96.2%	85.2%