

Light efficiency:

79 Lumen/Watt

Light quality:

CRI: 80.8

Color temperature:

2952 K

Output: 1416 lm

Peak: 3976 cd

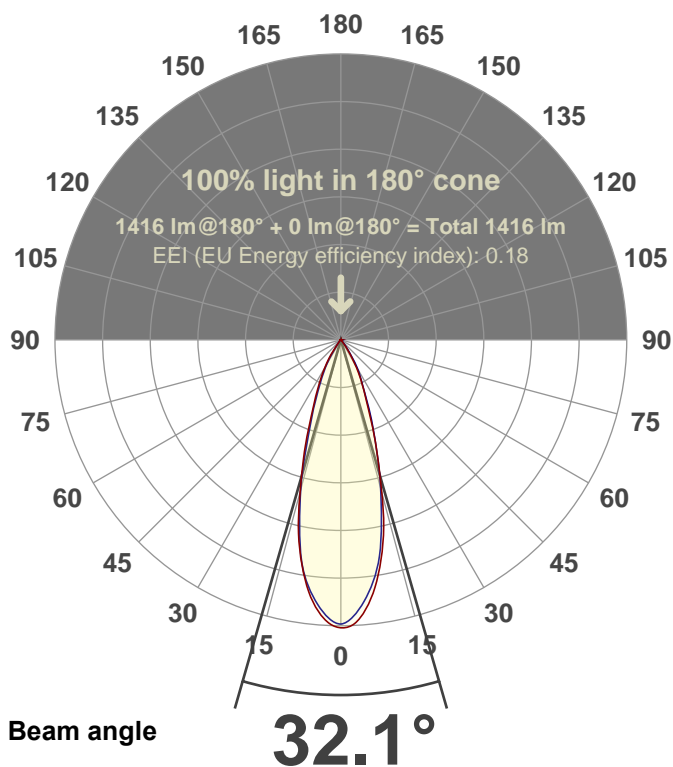
Power: 17.9 W

PF: 0.98



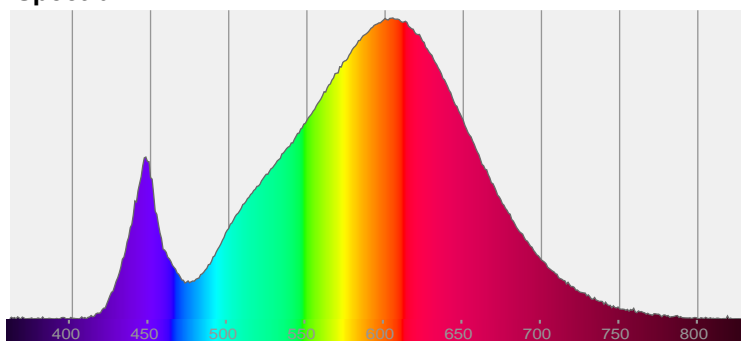
**112250-XTM19-20LM-30K-83-SA40-UNV-
ELV-WH-CLR**

Date and time:
12/11/2019 3:01:22 PM

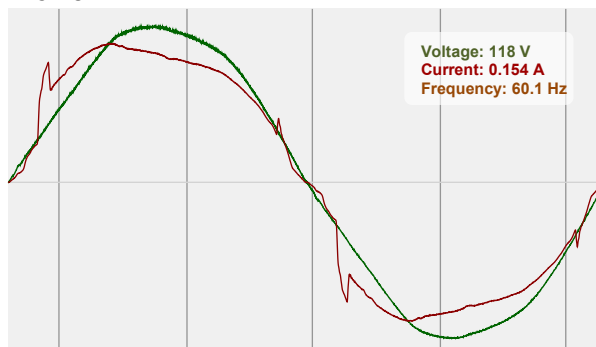


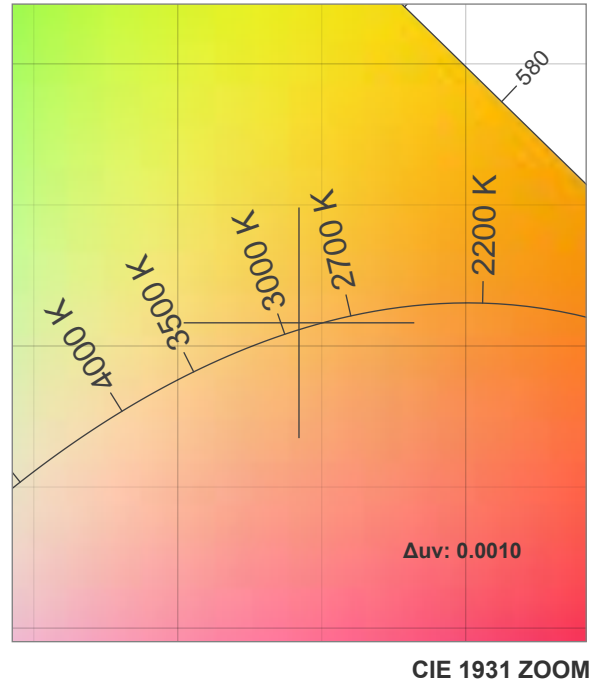
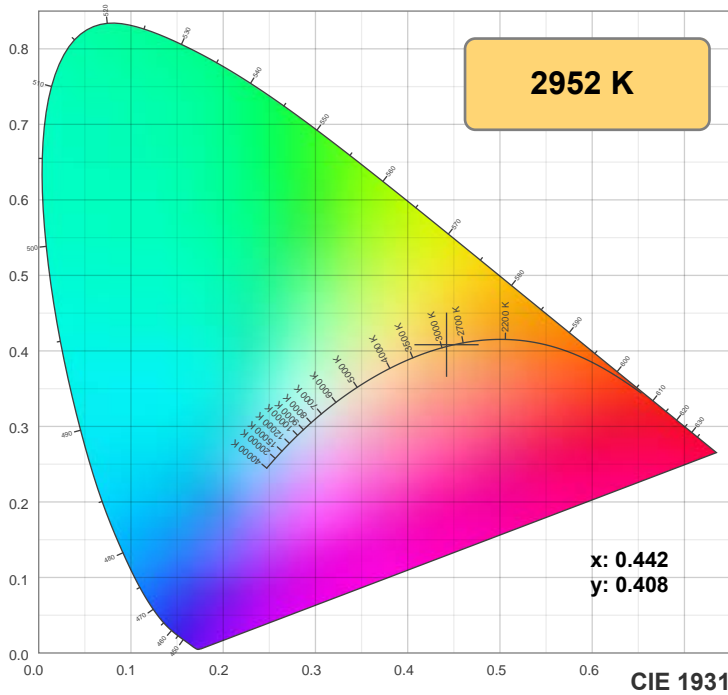
CIE 1931
x: 0.442
y: 0.408

Spectra

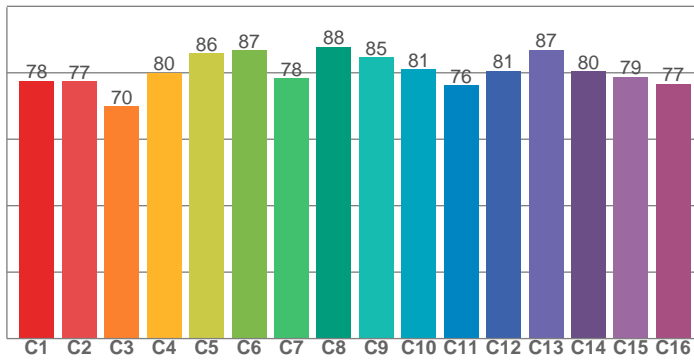


Power

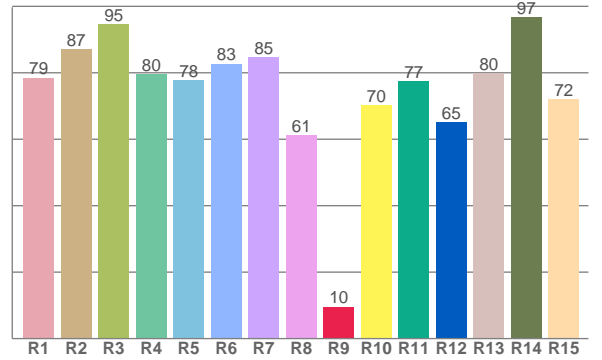




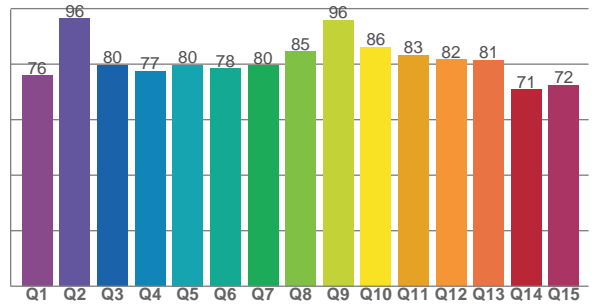
TM30: 80.3



CRI: 80.8 (R1-R8)



CQS: 80.2



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
78.5	87.0	94.7	79.6	77.8	82.7	84.6	61.3	9.6	70.2	77.4	65.2	79.9	96.7	72.1

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
77.6	77.4	69.9	80.0	85.8	86.7	78.4	87.8	84.7	81.0	76.2	80.6	86.9	80.4	78.8	76.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.9	96.4	79.6	77.4	79.7	78.4	79.5	84.6	95.9	86.1	83.2	81.7	81.4	70.9	72.5

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
2952 K	80.8	9.6	80.3	97.9	80.2	0.442	0.408	0.252	0.349	0.0010

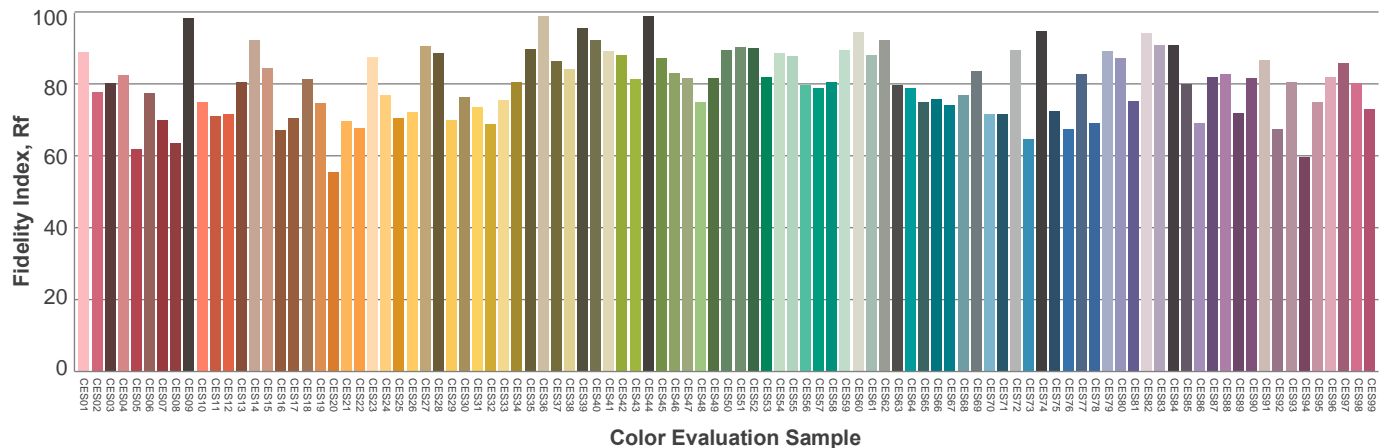
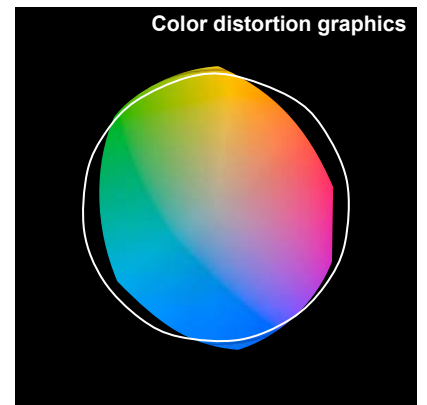
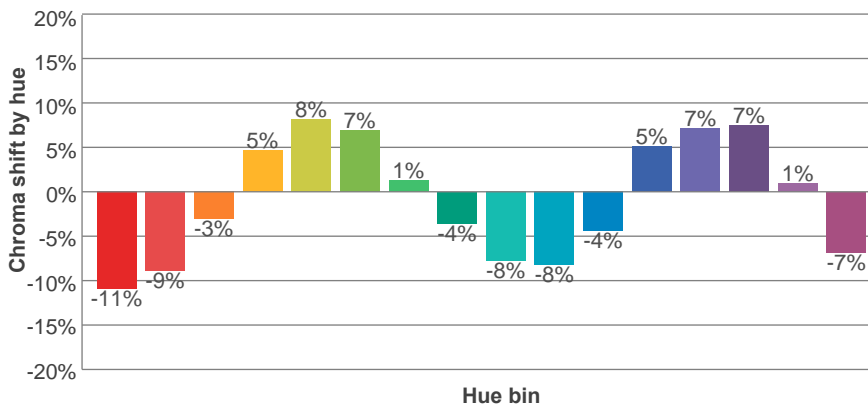
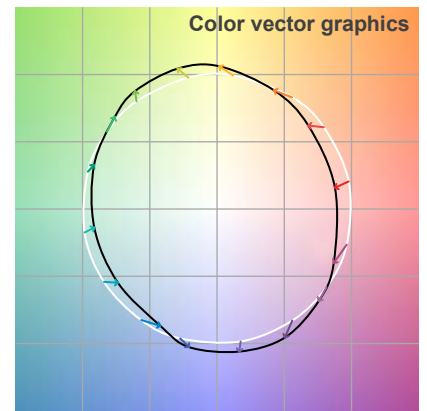
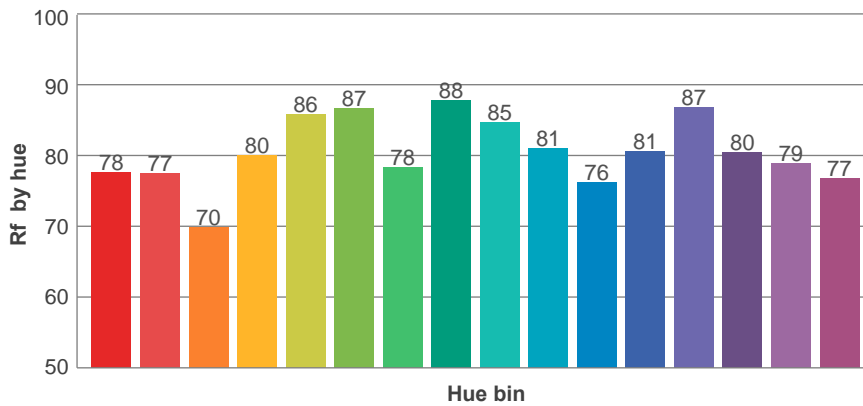
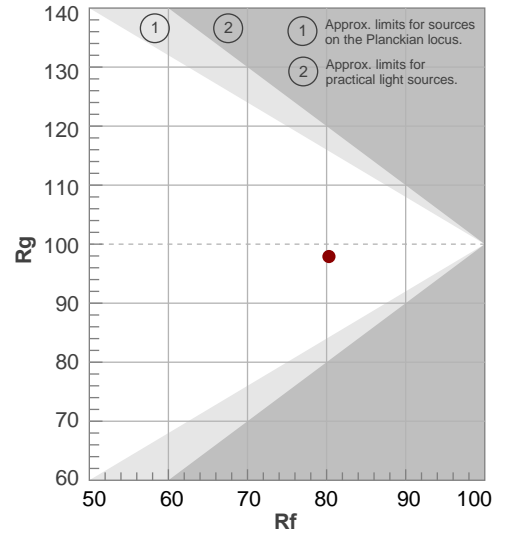
Rf 80.3

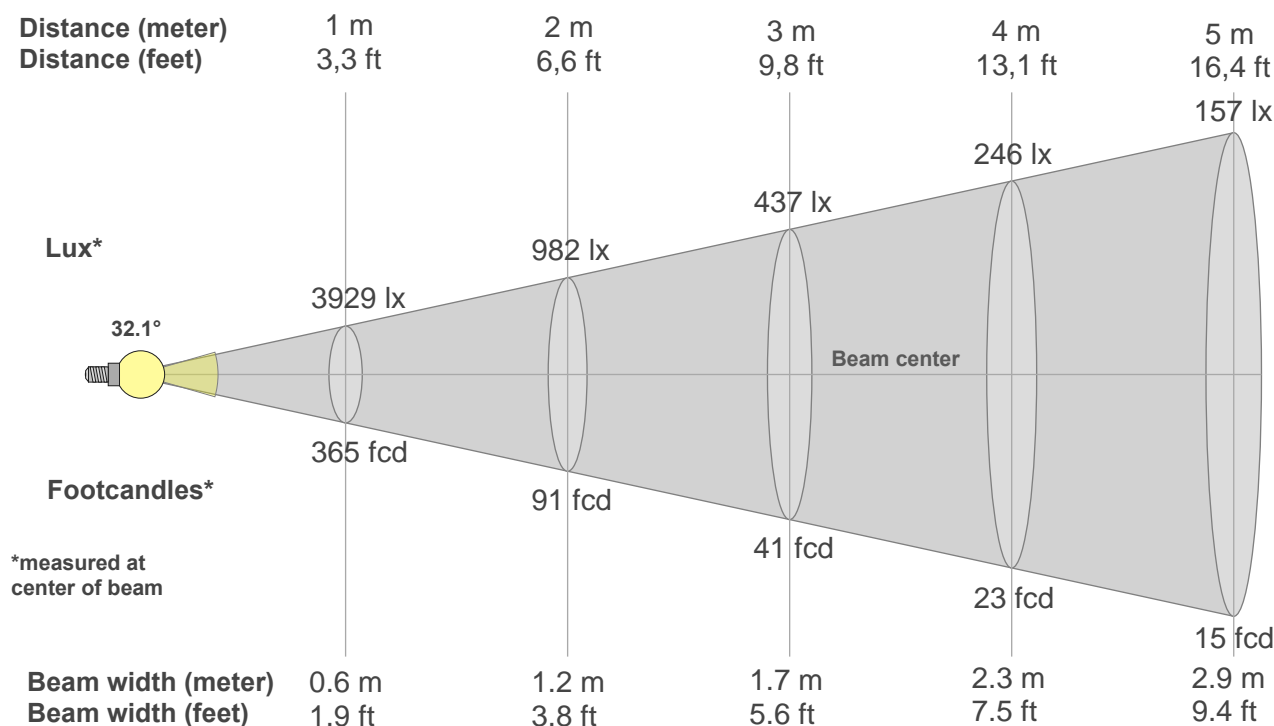
Fidelity index Rf

Rg 97.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-3%
2	77	-9%	7%
3	70	-3%	14%
4	80	5%	11%
5	86	8%	7%
6	87	7%	-3%
7	78	1%	-12%
8	88	-4%	-6%
9	85	-8%	-2%
10	81	-8%	6%
11	76	-4%	14%
12	81	5%	8%
13	87	7%	-3%
14	80	7%	-12%
15	79	1%	-12%
16	77	-7%	-15%





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
3929lx	982lx	437lx	246lx	157lx	109lx	80lx	61lx	49lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	14lx	12lx	11lx	10lx
365fcd	91.3fcd	40.6fcd	22.8fcd	14.6fcd	10.1fcd	7.4fcd	5.7fcd	4.5fcd	3.7fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd

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°
3929	3928	3816	3629	3432	3115	2798	2427	2013	1601	1316	1032	816	672	527	409	291	194	122	50
100%	100%	97%	92%	87%	79%	71%	62%	51%	41%	34%	26%	21%	17%	13%	10%	7%	5%	3%	1%

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°
3929	3814	3695	3523	3287	3052	2688	2314	1960	1635	1311	1078	859	679	569	459	351	243	152	100
100%	97%	94%	90%	84%	78%	68%	59%	50%	42%	33%	27%	22%	17%	14%	12%	9%	6%	4%	3%

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°
3929	3930	3784	3617	3403	3098	2793	2410	2011	1644	1350	1056	868	711	565	453	341	243	150	71
100%	100%	96%	92%	87%	79%	71%	61%	51%	42%	34%	27%	22%	18%	14%	12%	9%	6%	4%	2%

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°
3929	3827	3725	3563	3338	3114	2730	2340	1959	1592	1224	1006	803	632	511	390	283	178	97	63
100%	97%	95%	91%	85%	79%	69%	60%	50%	41%	31%	26%	20%	16%	13%	10%	7%	5%	2%	2%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	61.2°	73.8°	99.1%	98.3%