

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 96.5

Color temperature:

2971 K

Output: 1154 lm

Peak: 3054 cd

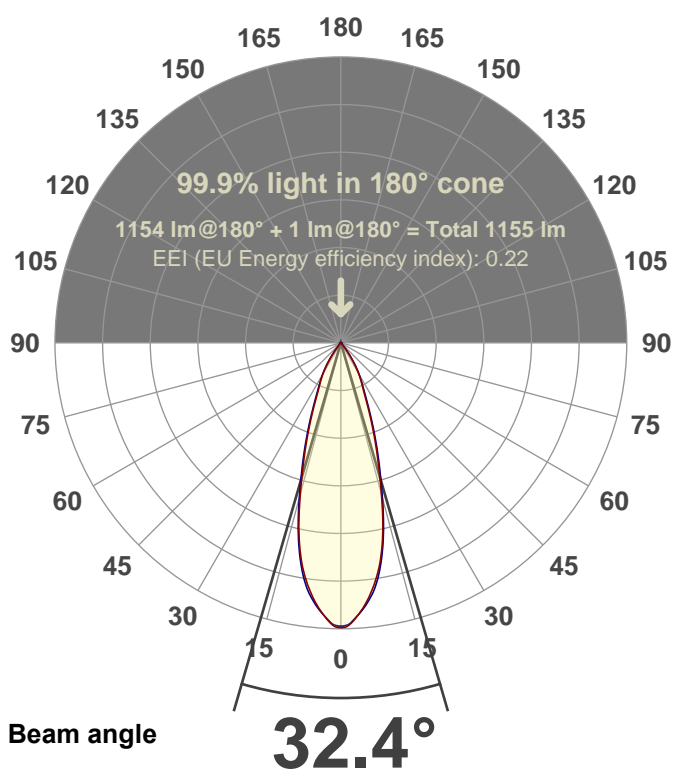
Power: 18.4 W

PF: 0.98



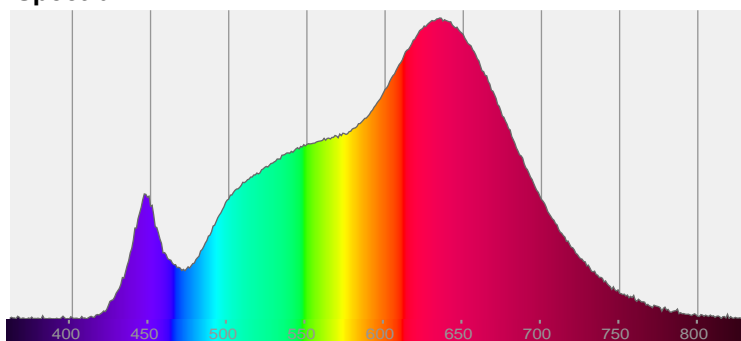
137420-XTM19-16LM-30K-98-SA40-120-
ELV-WH-MP-CLR

Date and time:
5/4/2020 7:46:49 AM

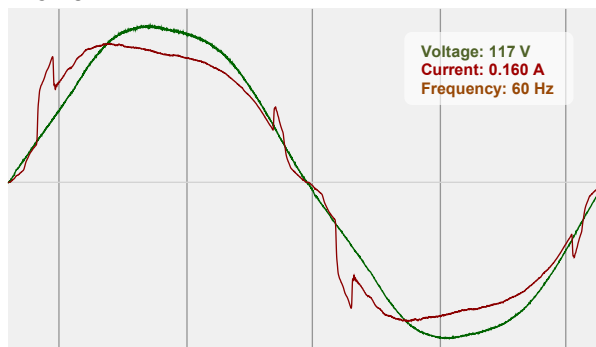


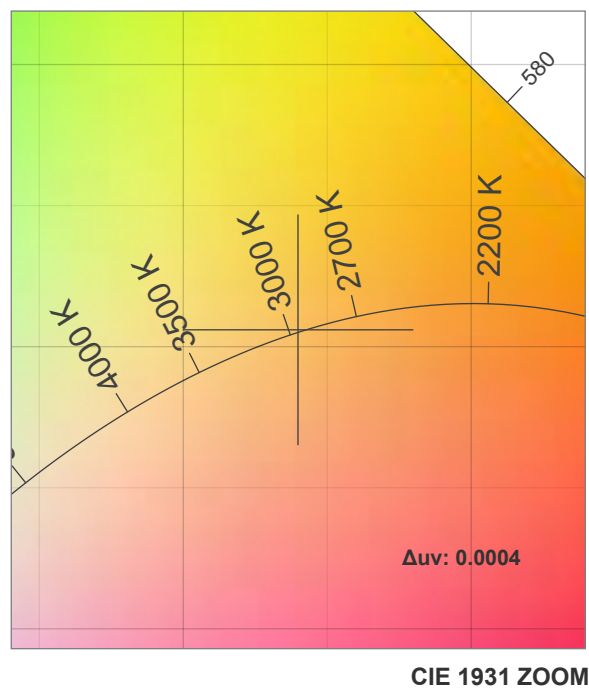
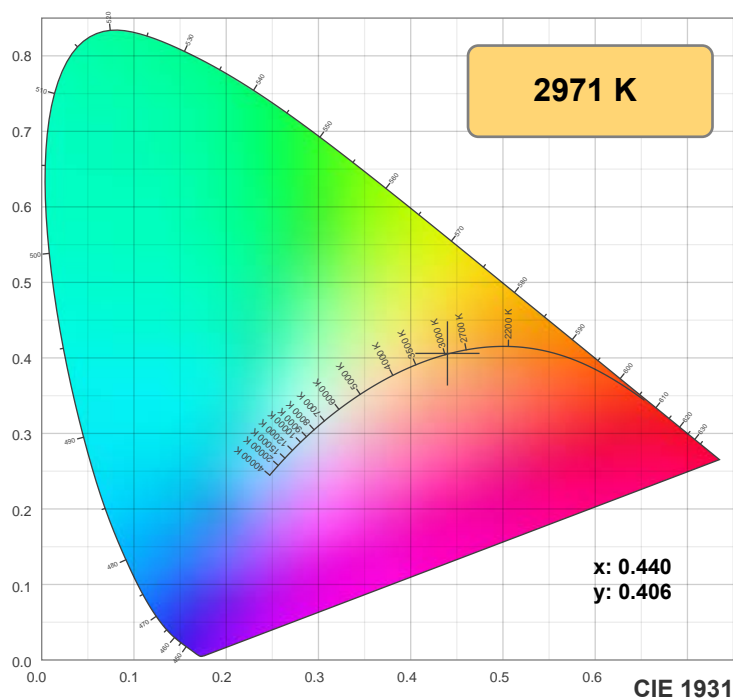
CIE 1931
x: 0.440
y: 0.406

Spectra

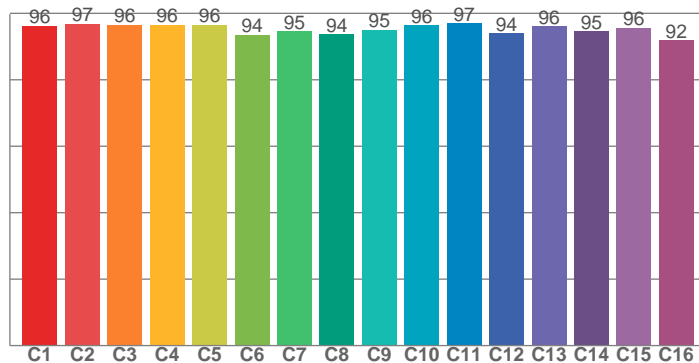


Power

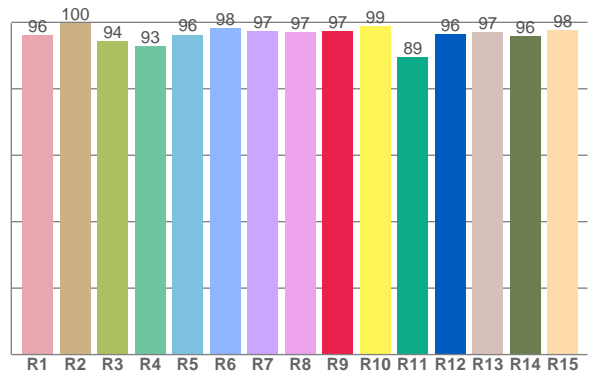




TM30: 95.5



CRI: 96.5 (R1-R8)



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
96.2	99.8	94.3	92.7	96.3	98.3	97.3	97.0	97.4	98.9	89.4	96.4	97.0	95.8	97.7

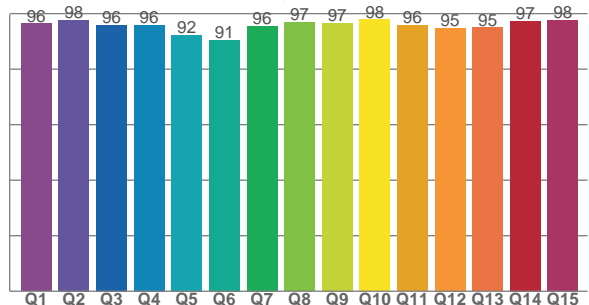
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.2	96.8	96.5	96.5	96.5	93.6	94.6	93.7	95.1	96.3	96.9	94.0	96.0	94.6	95.6	91.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.4	97.7	95.9	96.0	92.3	90.6	95.6	96.9	96.7	97.9	95.8	94.7	95.0	97.4	97.7

CQS: 95.1



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	96.5	97.4	95.5	103.3	95.1	0.440	0.406	0.252	0.348	0.0004

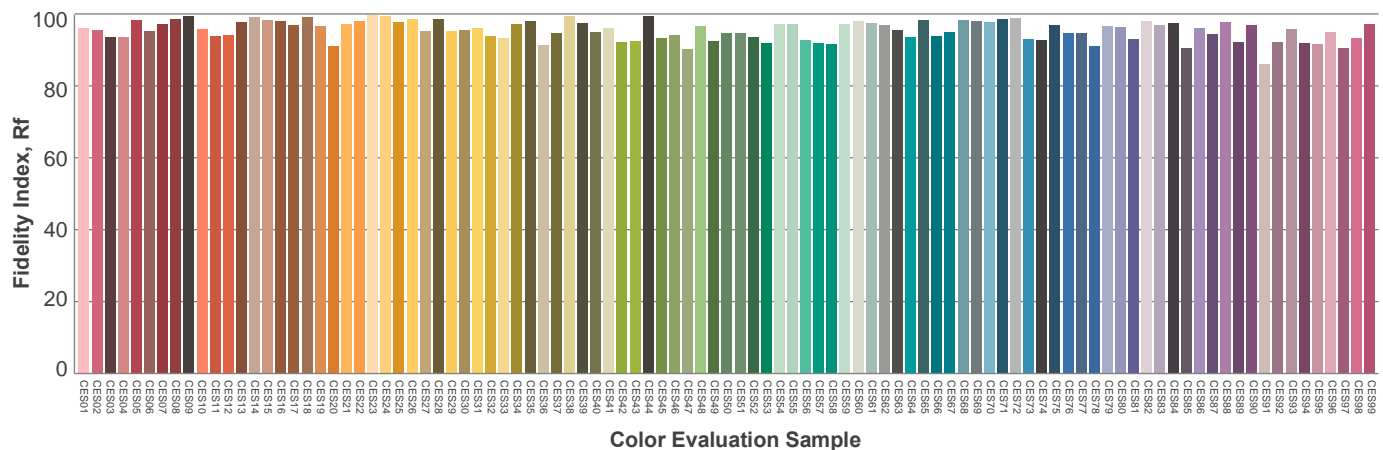
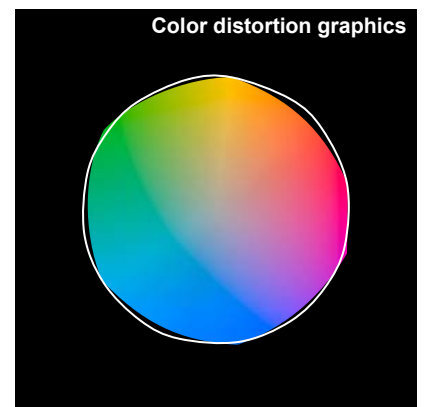
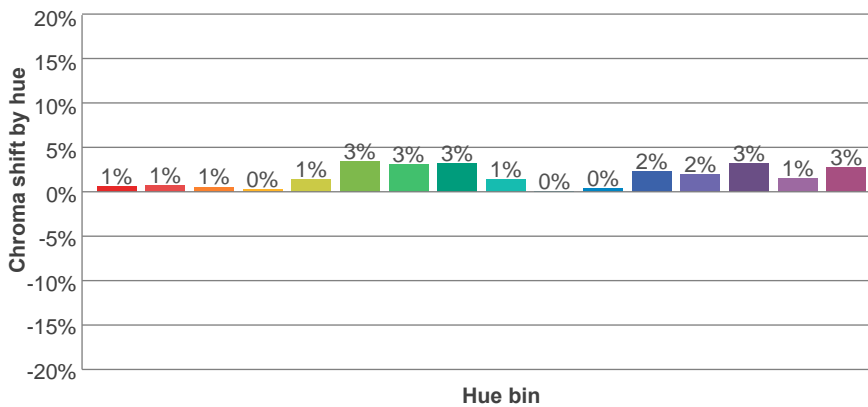
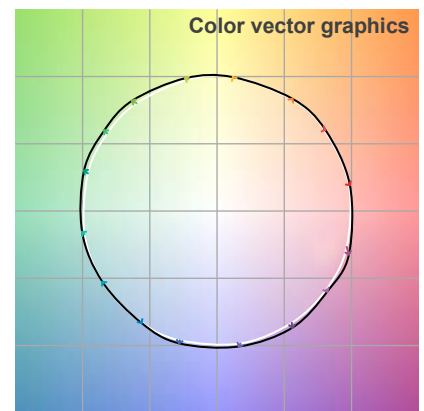
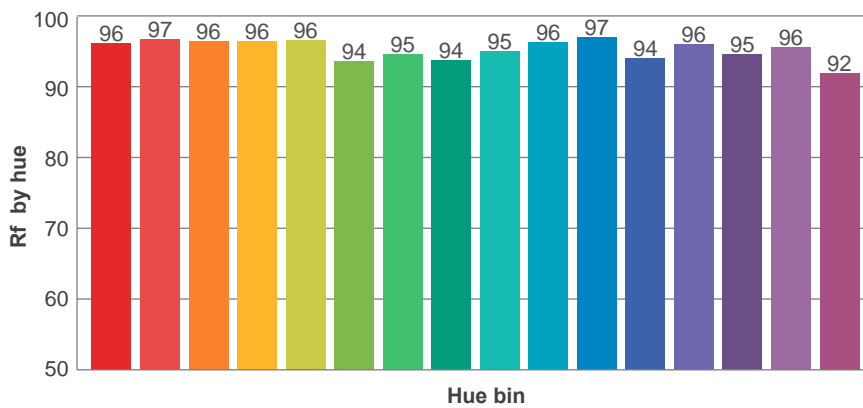
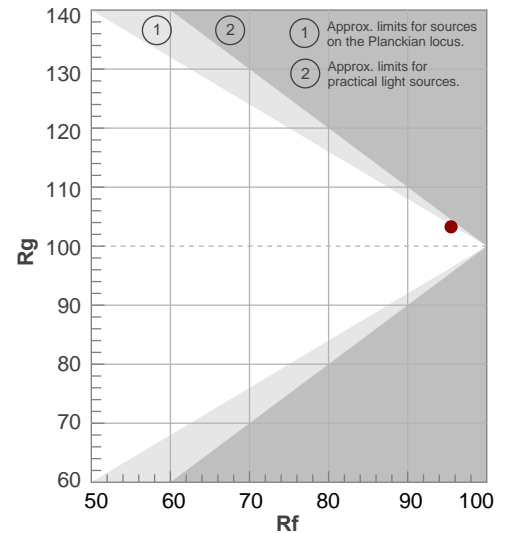
Rf 95.5

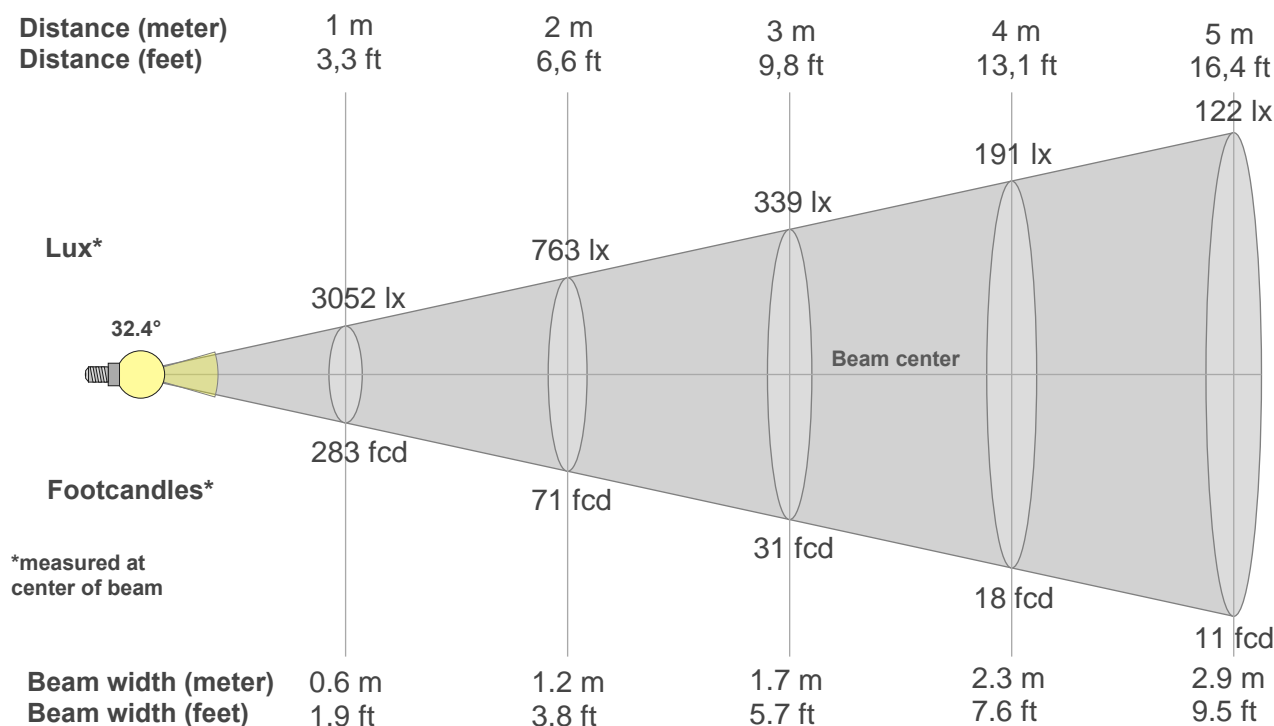
Fidelity index Rf

Rg 103.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	96	1%	0%
4	96	0%	0%
5	96	1%	2%
6	94	3%	2%
7	95	3%	-1%
8	94	3%	-1%
9	95	1%	-2%
10	96	0%	-2%
11	97	0%	1%
12	94	2%	0%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	92	3%	-5%





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
3052lx	763lx	339lx	191lx	122lx	85lx	62lx	48lx	38lx	31lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx
283.5fcd	70.9fcd	31.5fcd	17.7fcd	11.3fcd	7.9fcd	5.8fcd	4.4fcd	3.5fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

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°
3052	3014	2907	2770	2605	2408	2150	1845	1531	1264	1030	825	657	541	461	385	305	220	140	75
100%	99%	95%	91%	85%	79%	70%	60%	50%	41%	34%	27%	22%	18%	15%	13%	10%	7%	5%	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°
3052	3007	2910	2795	2647	2439	2183	1883	1578	1309	1073	866	694	566	472	392	310	224	143	76
100%	99%	95%	92%	87%	80%	72%	62%	52%	43%	35%	28%	23%	19%	15%	13%	10%	7%	5%	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°
3052	3014	2907	2770	2605	2408	2150	1845	1531	1264	1030	825	657	541	461	385	305	220	140	75
100%	99%	95%	91%	85%	79%	70%	60%	50%	41%	34%	27%	22%	18%	15%	13%	10%	7%	5%	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°
3052	3007	2910	2795	2647	2439	2183	1883	1578	1309	1073	866	694	566	472	392	310	224	143	76
100%	99%	95%	92%	87%	80%	72%	62%	52%	43%	35%	28%	23%	19%	15%	13%	10%	7%	5%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	64.1°	75.9°	99.1%	98.4%