

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 96.7

Color temperature:

2975 K

Output: 1165 lm

Peak: 5545 cd

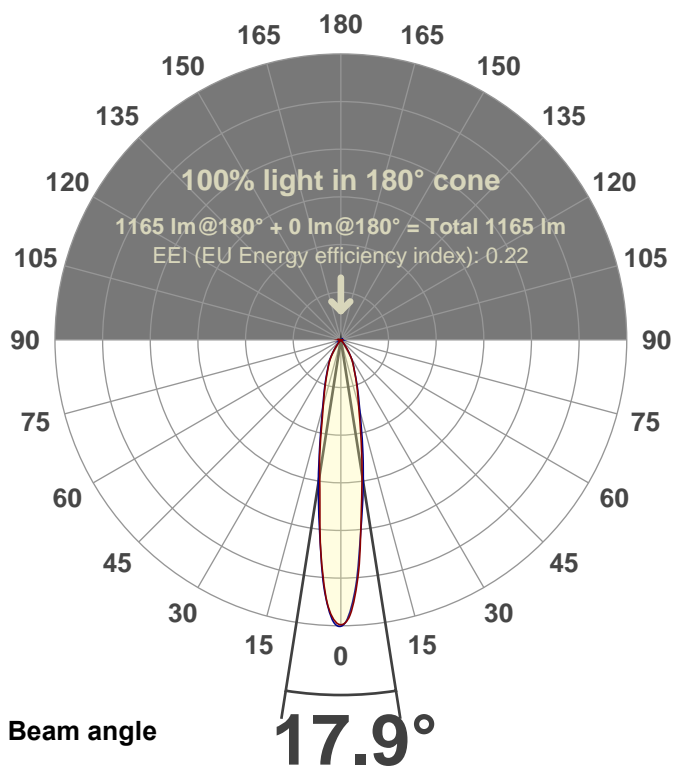
Power: 18.5 W

PF: 0.98



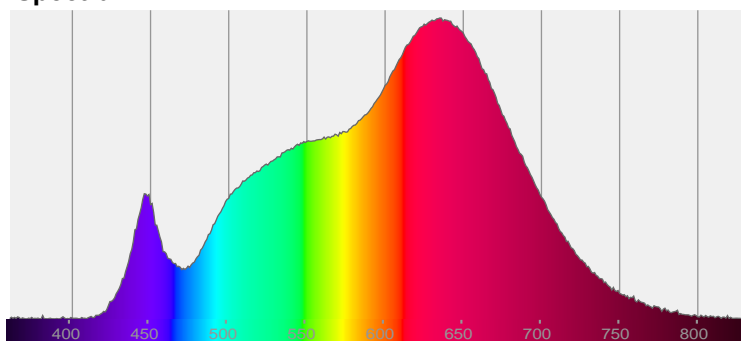
137420-XTM19-16LM-30K-98-SA20-120-
ELV-WH-MP-CLR

Date and time:
5/4/2020 8:06:38 AM

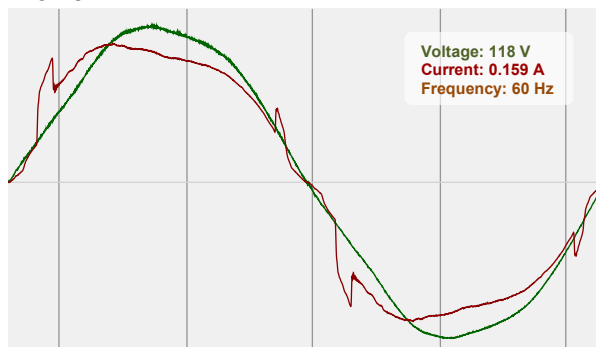


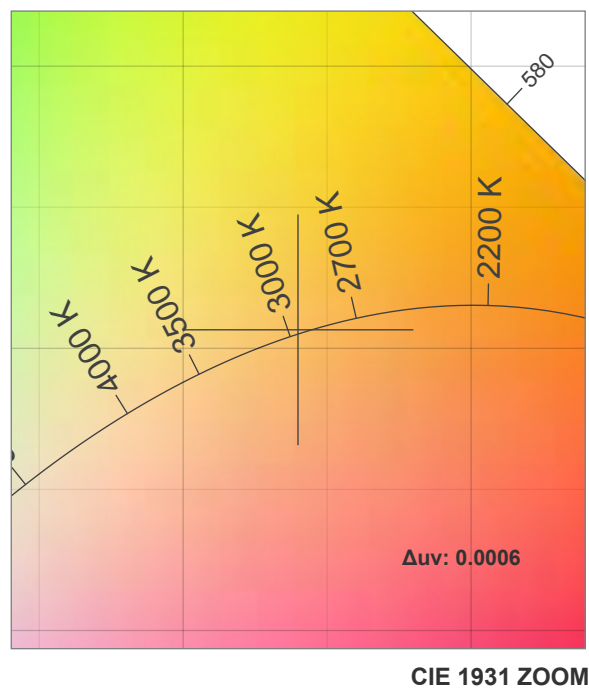
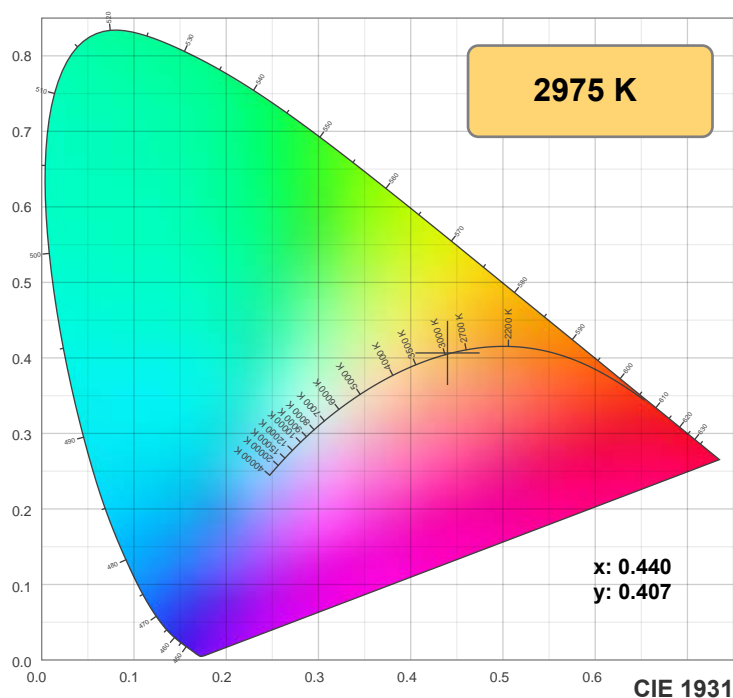
CIE 1931
x: 0.440
y: 0.407

Spectra

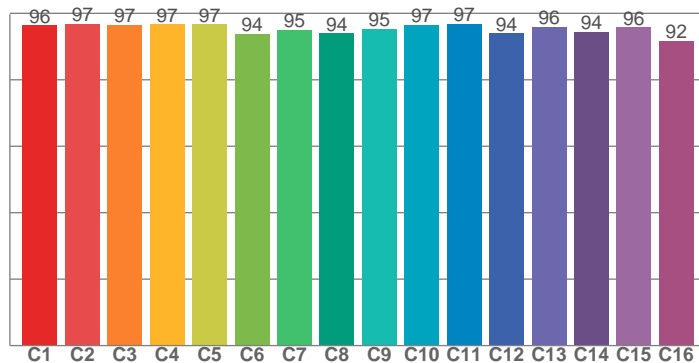


Power

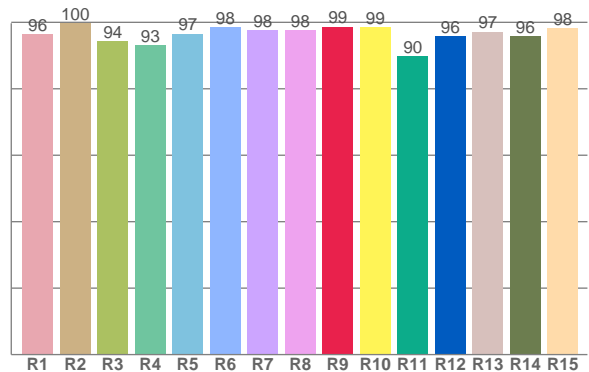




TM30: 95.6



CRI: 96.7 (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
96.5	99.8	94.3	93.0	96.6	98.4	97.5	97.6	98.7	98.6	89.7	95.8	97.2	95.8	98.1

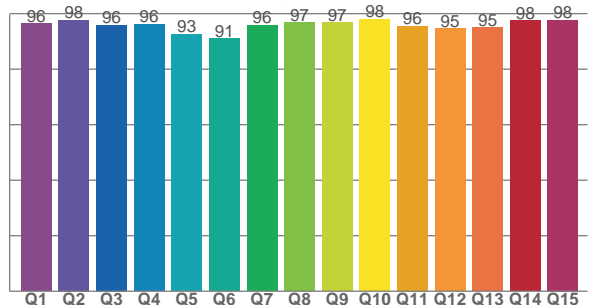
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.3	96.8	96.5	96.6	96.7	93.9	95.1	94.0	95.4	96.6	96.8	93.9	96.0	94.5	95.7	91.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.4	97.7	95.9	96.1	92.6	91.0	95.8	96.8	96.7	97.9	95.5	94.6	95.0	97.5	97.8

CQS: 95.2



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
2975 K	96.7	98.7	95.6	103.0	95.2	0.440	0.407	0.251	0.349	0.0006

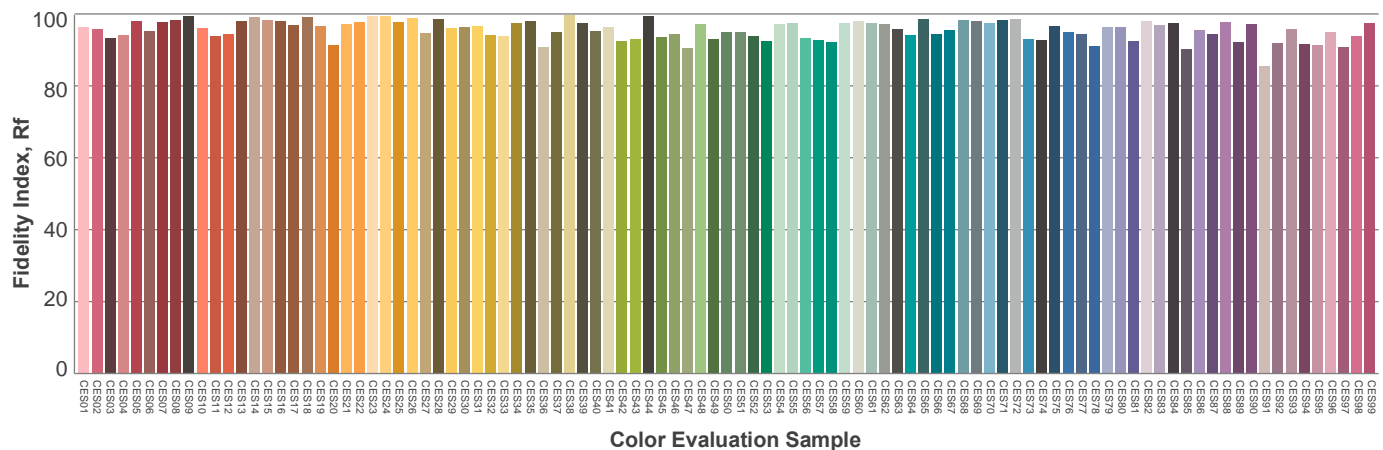
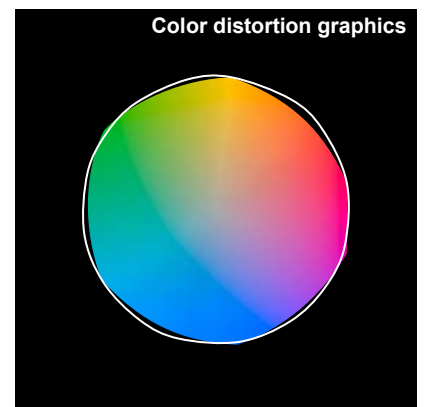
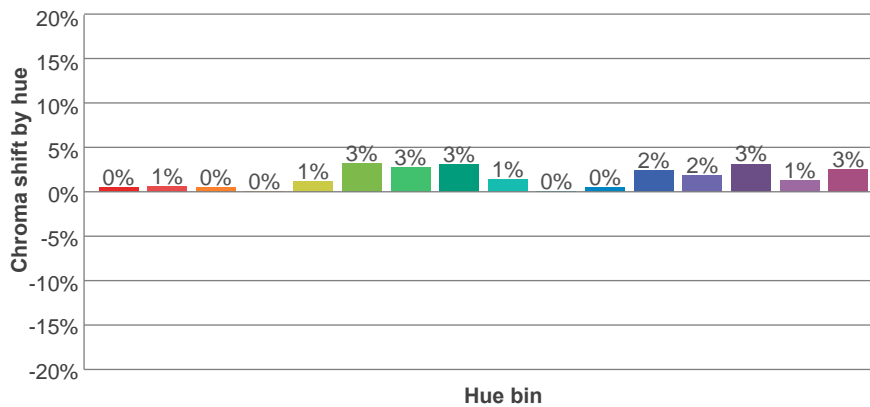
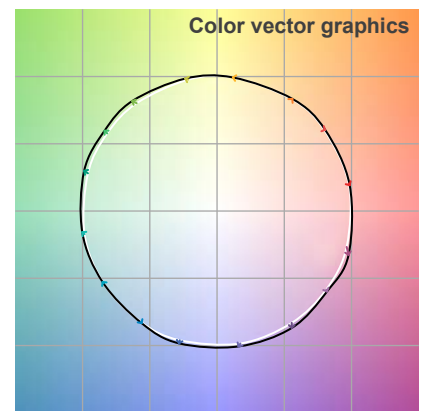
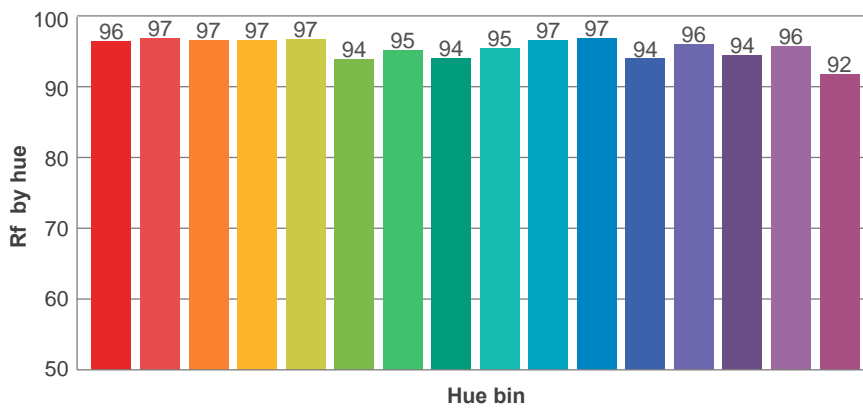
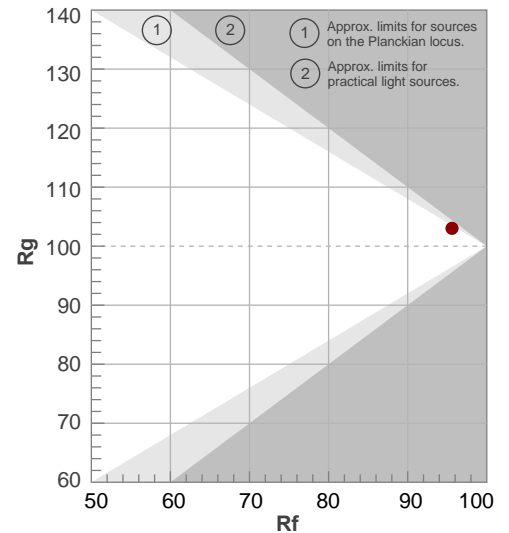
Rf 95.6

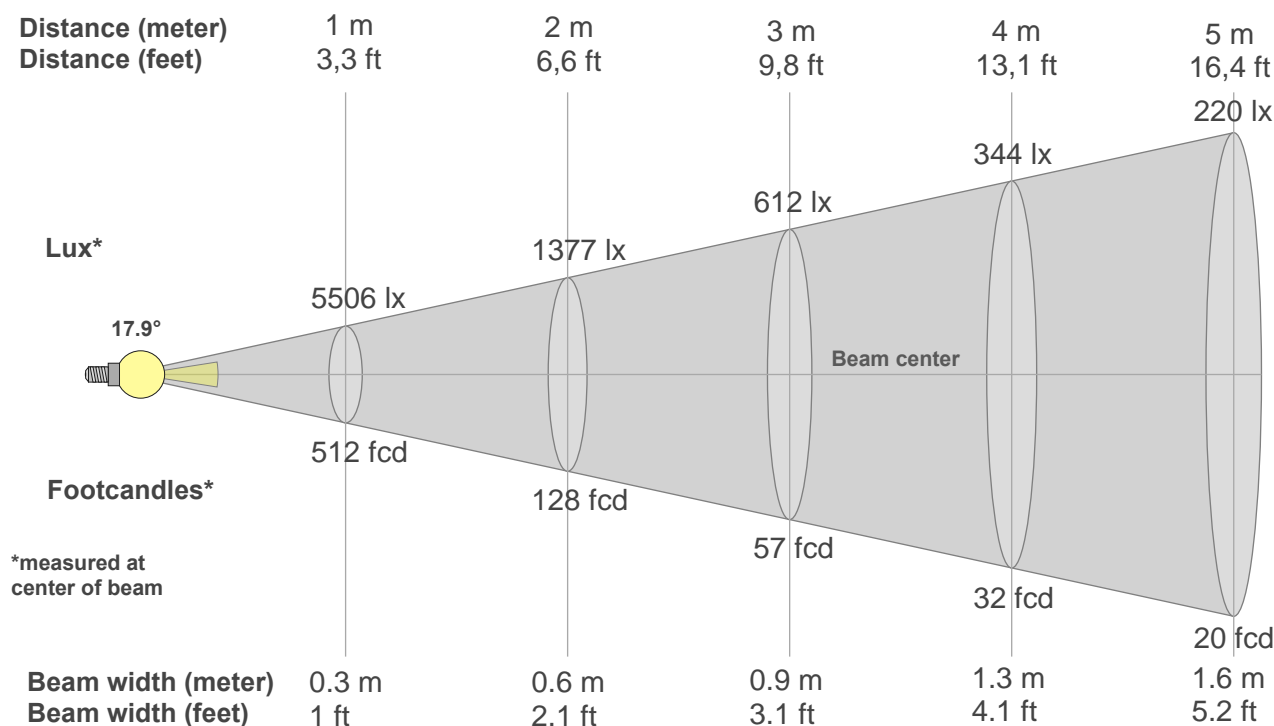
Fidelity index Rf

Rg 103.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	0%	0%
5	97	1%	2%
6	94	3%	2%
7	95	3%	-1%
8	94	3%	-1%
9	95	1%	-2%
10	97	0%	-1%
11	97	0%	1%
12	94	2%	0%
13	96	2%	-2%
14	94	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
5506lx	1377lx	612lx	344lx	220lx	153lx	112lx	86lx	68lx	55lx	46lx	38lx	33lx	28lx	24lx	22lx	19lx	17lx	15lx	14lx
511.5fcd	127.9fcd	56.8fcd	32fcd	20.5fcd	14.2fcd	10.4fcd	8fcd	6.3fcd	5.1fcd	4.2fcd	3.6fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd

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°
5506	5346	4660	3759	2977	2373	1872	1492	1240	1049	892	753	638	557	479	395	306	218	138	77
100%	97%	85%	68%	54%	43%	34%	27%	23%	19%	16%	14%	12%	10%	9%	7%	6%	4%	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°
5506	5225	4586	3736	3099	2531	2029	1611	1301	1093	916	766	647	561	482	393	302	213	133	67
100%	95%	83%	68%	56%	46%	37%	29%	24%	20%	17%	14%	12%	10%	9%	7%	5%	4%	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°
5506	5298	4723	3874	2946	2397	1877	1481	1213	1019	863	731	626	542	467	385	298	212	134	69
100%	96%	86%	70%	53%	44%	34%	27%	22%	19%	16%	13%	11%	10%	8%	7%	5%	4%	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°
5506	5364	4803	3913	3163	2504	1946	1525	1254	1057	896	758	642	555	477	396	310	222	139	77
100%	97%	87%	71%	57%	45%	35%	28%	23%	19%	16%	14%	12%	10%	9%	7%	6%	4%	3%	1%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	52.1°	71.9°	99.2%	97.5%