

Light efficiency:

58 Lumen/Watt

Light quality:

CRI: 96.6

Color temperature:

2979 K

Output: 1062 lm

Peak: 2205 cd

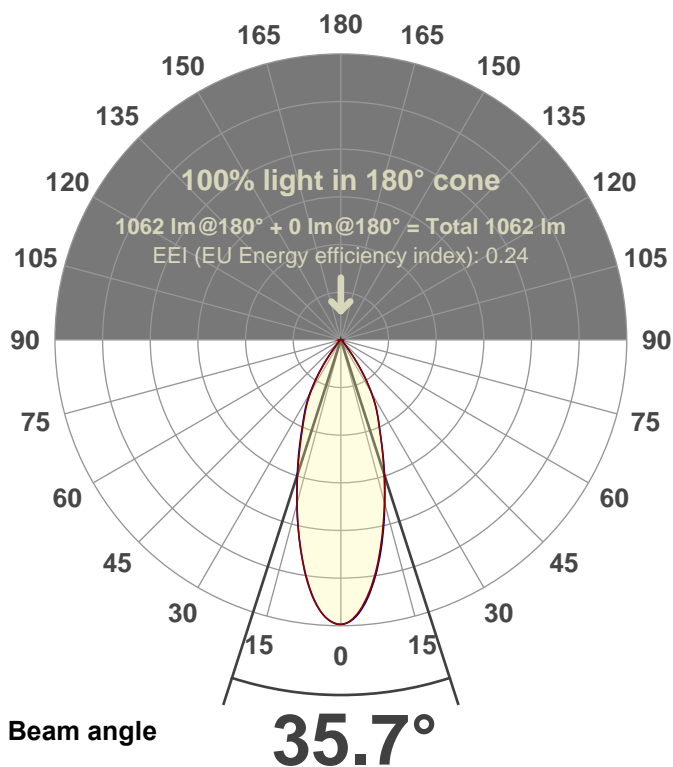
Power: 18.5 W

PF: 0.98



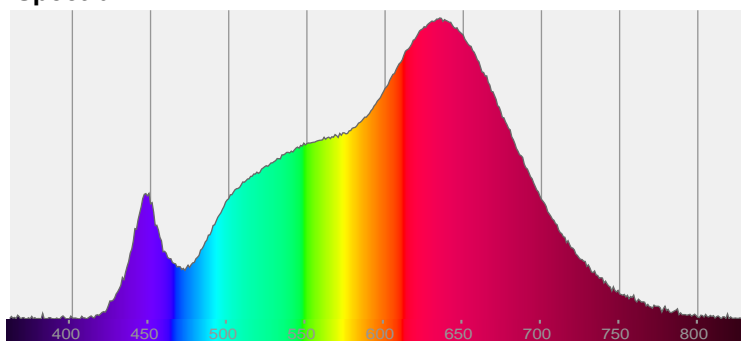
137420-XTM19-16LM-30K-98-DA20-120-ELV-WH-MP-CLR

Date and time:
5/4/2020 8:37:24 AM

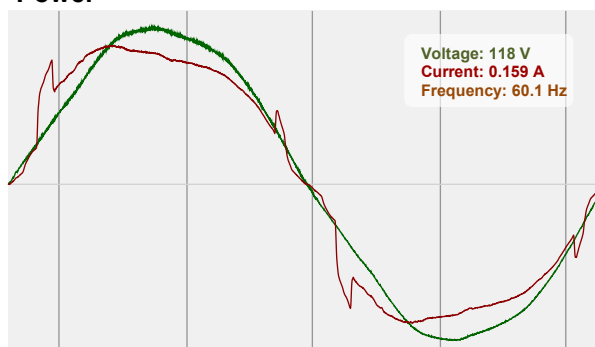


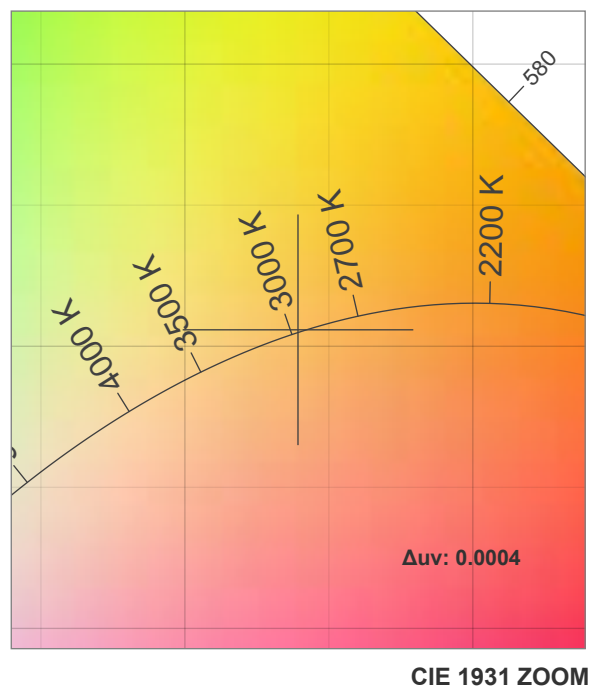
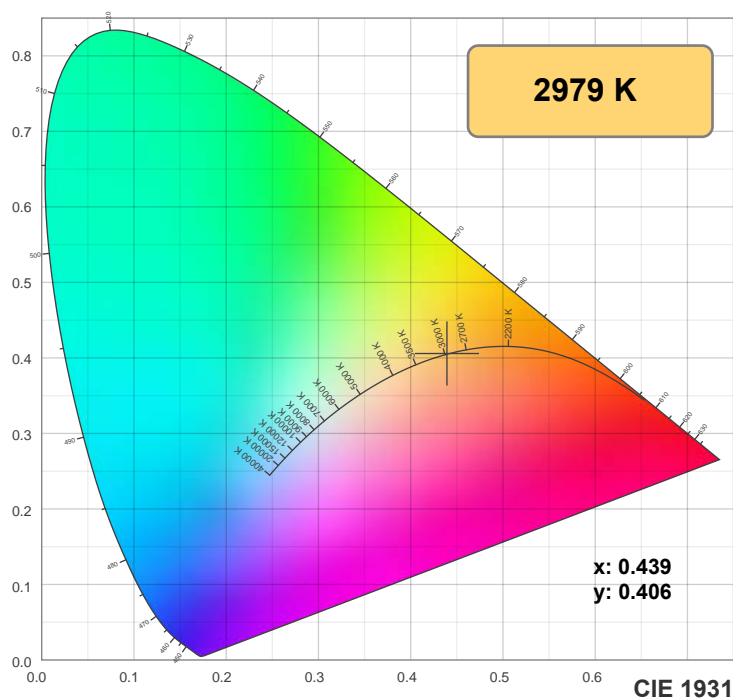
CIE 1931
x: 0.439
y: 0.406

Spectra

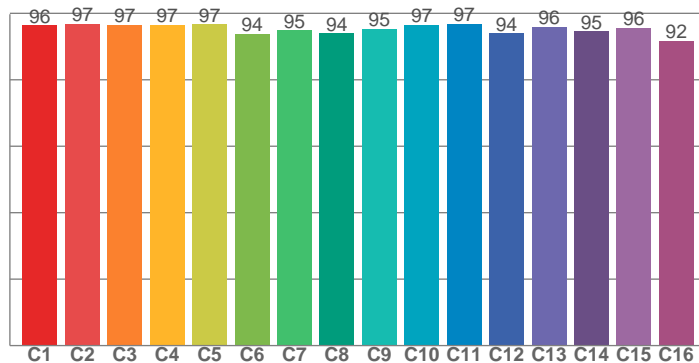


Power

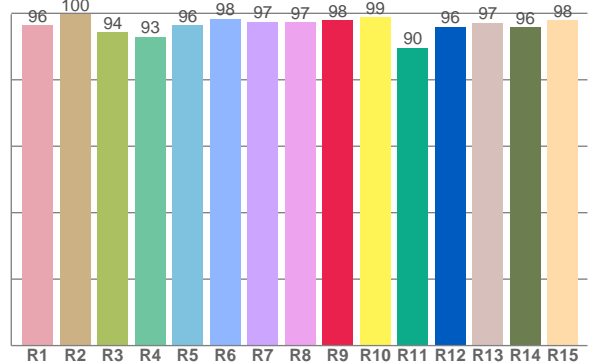




TM30: 95.6



CRI: 96.6 (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
96.4	99.8	94.4	93.0	96.4	98.3	97.4	97.3	97.9	98.8	89.7	96.0	97.1	95.9	97.9

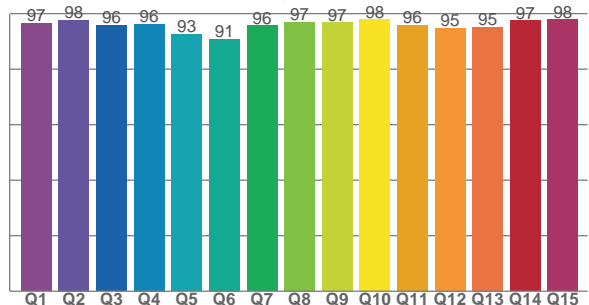
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.3	96.9	96.5	96.6	96.6	93.8	94.9	93.9	95.3	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
96.5	97.7	95.8	96.2	92.6	90.9	95.6	96.9	96.8	97.9	95.9	94.9	95.1	97.4	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
2979 K	96.6	97.9	95.6	103.2	95.2	0.439	0.406	0.251	0.348	0.0004

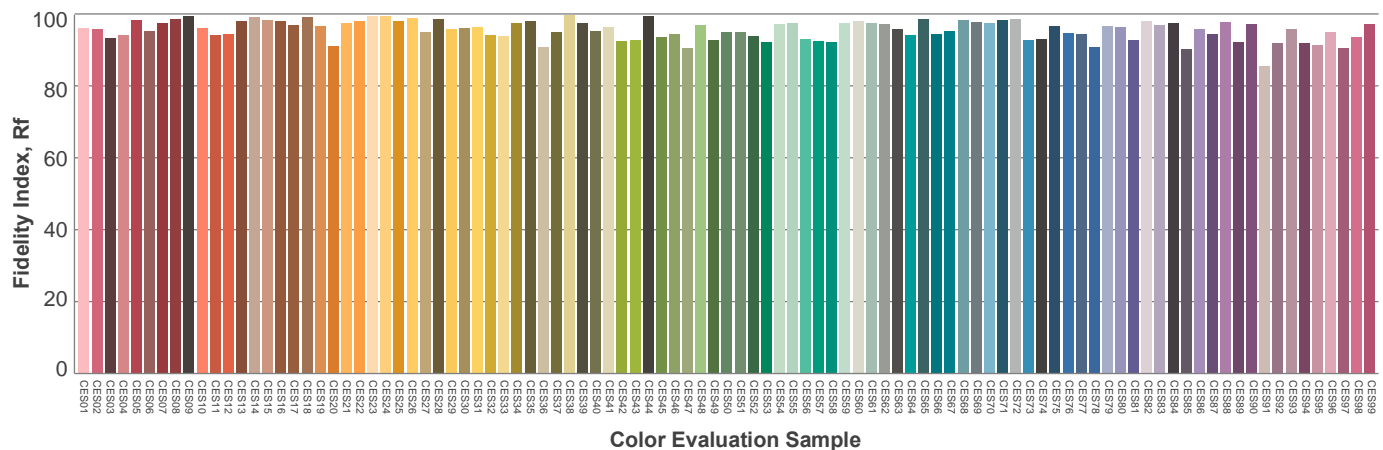
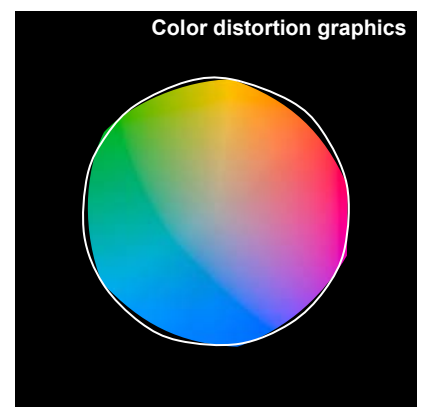
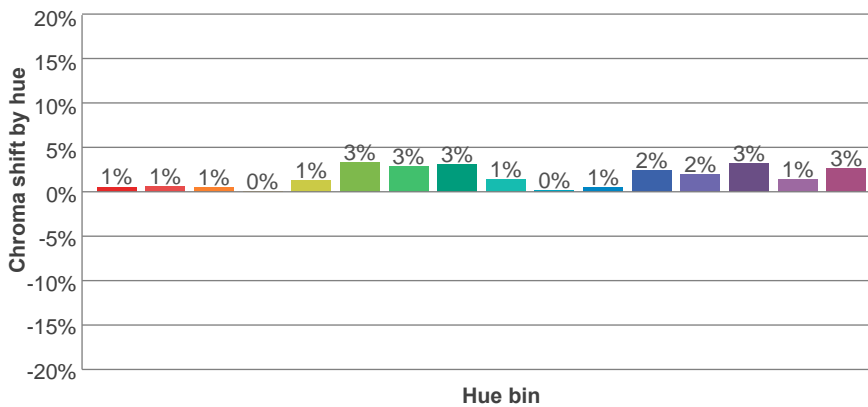
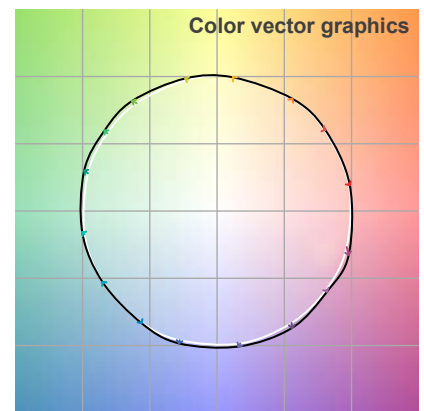
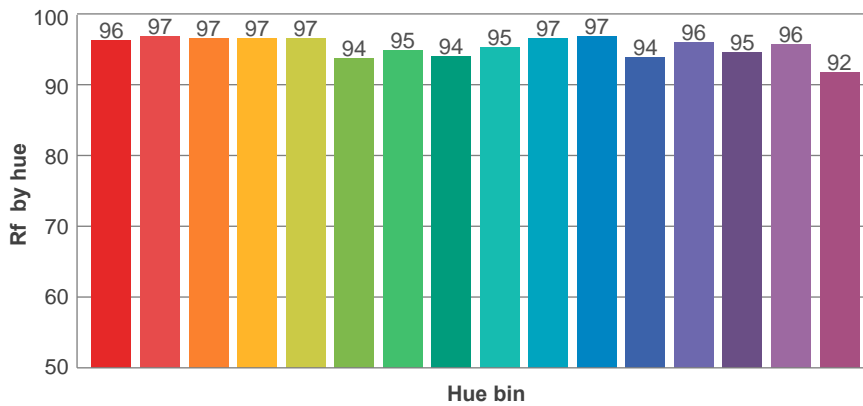
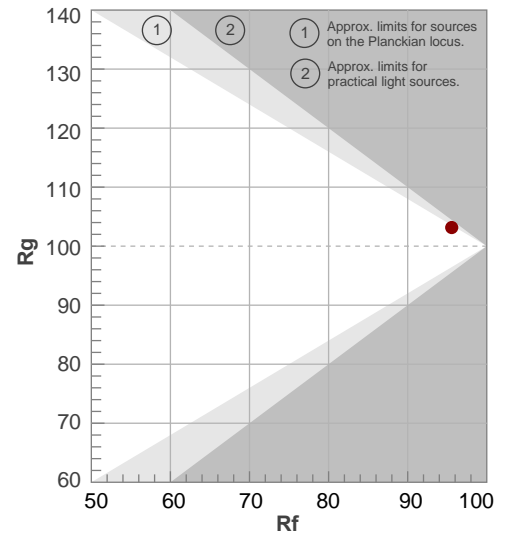
Rf 95.6

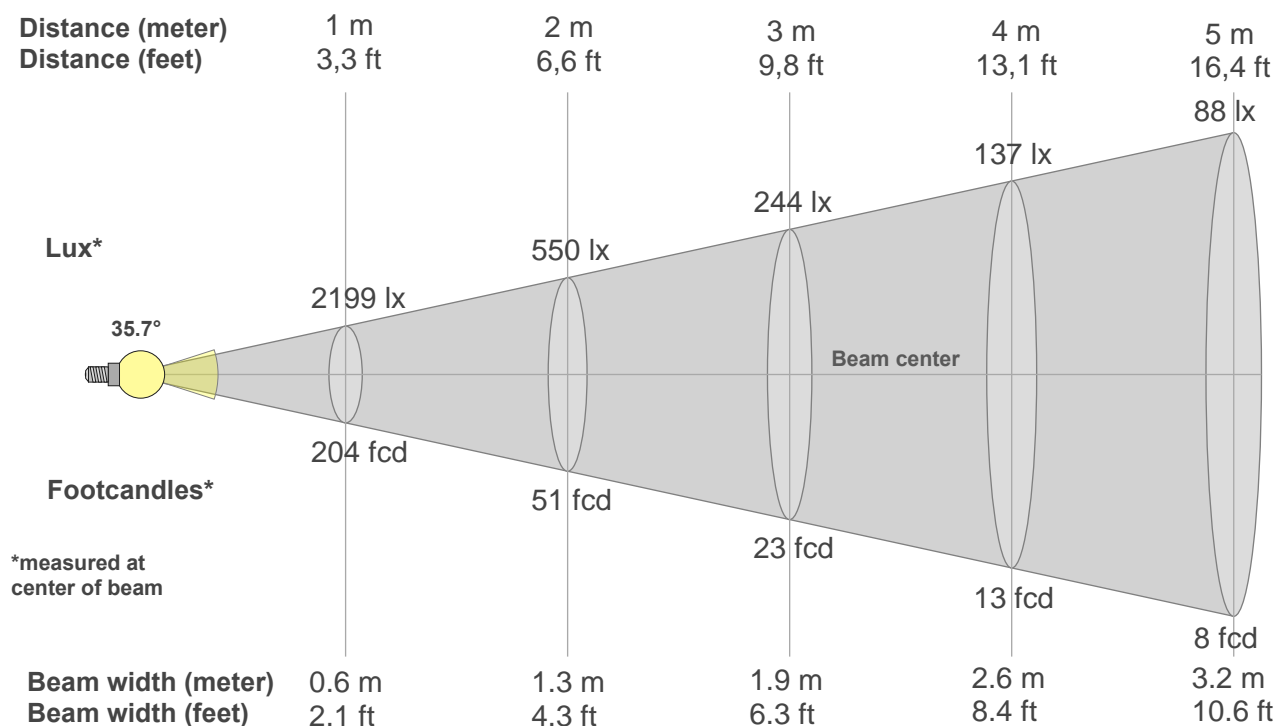
Fidelity index Rf

Rg 103.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	-1%
2	97	1%	-1%
3	97	1%	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	1%	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
2199lx	550lx	244lx	137lx	88lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx
204.3fcd	51.1fcd	22.7fcd	12.8fcd	8.2fcd	5.7fcd	4.2fcd	3.2fcd	2.5fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	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°
2199	2174	2104	1991	1857	1705	1544	1383	1230	1086	954	835	730	649	565	474	377	278	185	114
100%	99%	96%	91%	84%	78%	70%	63%	56%	49%	43%	38%	33%	30%	26%	22%	17%	13%	8%	5%

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°
2199	2175	2111	2009	1874	1723	1562	1398	1240	1095	959	838	734	649	567	472	372	273	181	105
100%	99%	96%	91%	85%	78%	71%	64%	56%	50%	44%	38%	33%	30%	26%	21%	17%	12%	8%	5%

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°
2199	2181	2120	2023	1885	1727	1562	1397	1234	1085	950	828	724	636	557	467	370	273	182	104
100%	99%	96%	92%	86%	79%	71%	64%	56%	49%	43%	38%	33%	29%	25%	21%	17%	12%	8%	5%

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°
2199	2181	2122	2012	1875	1722	1560	1397	1239	1095	963	843	734	651	570	481	385	287	194	120
100%	99%	96%	91%	85%	78%	71%	64%	56%	50%	44%	38%	33%	30%	26%	22%	18%	13%	9%	5%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	70.5°	81.3°	98.9%	96.8%