

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 96.7

Color temperature:

2961 K

Output: 1168 lm

Peak: 1667 cd

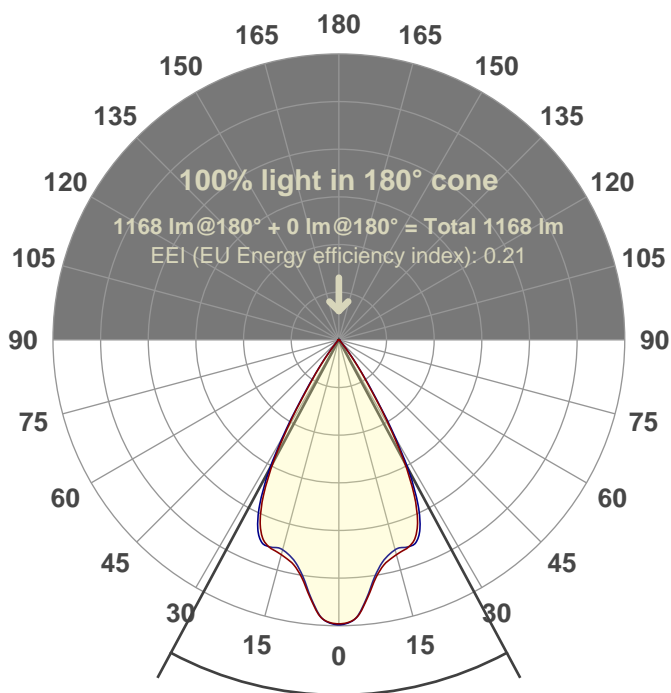
Power: 18.5 W

PF: 0.98



**137420-XTM19-16LM-30K-98-SA60-120-
ELV-WH-MP-CLR**

Date and time:
5/4/2020 7:42:09 AM



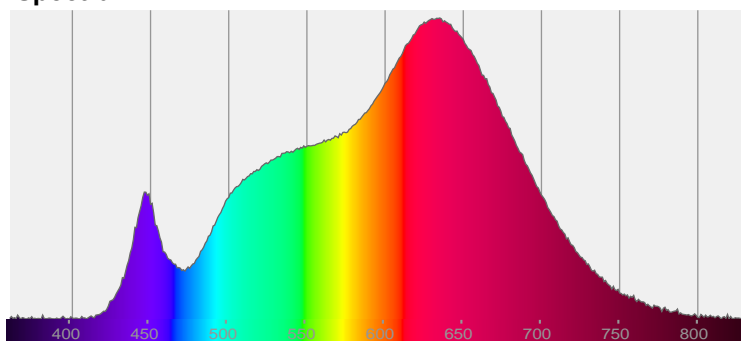
Beam angle

56.4°

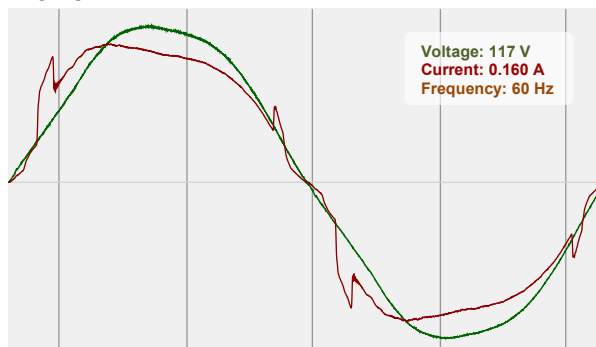


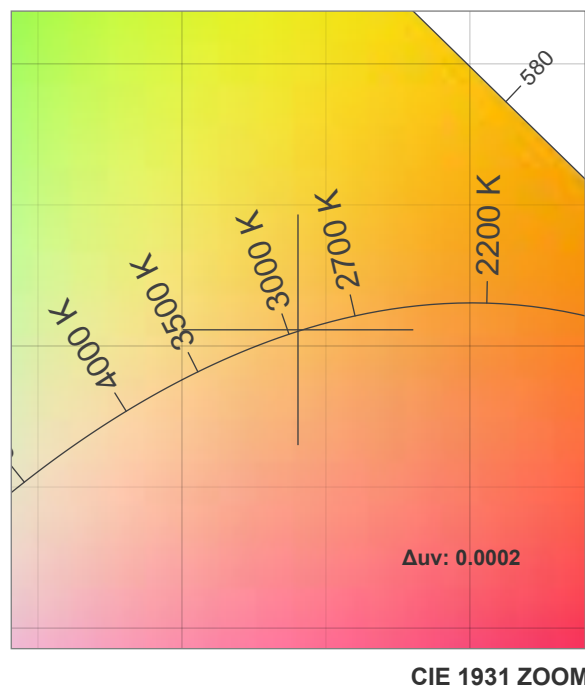
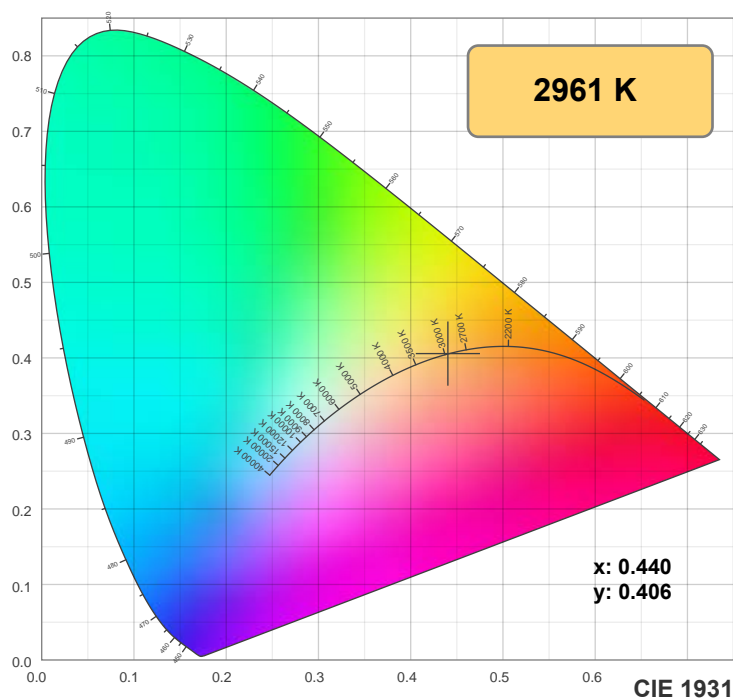
CIE 1931
x: 0.440
y: 0.406

Spectra

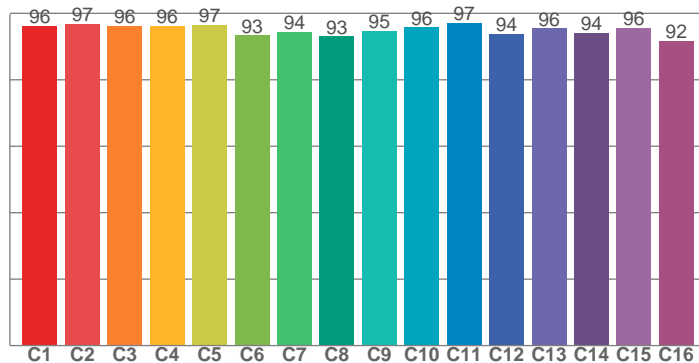


Power

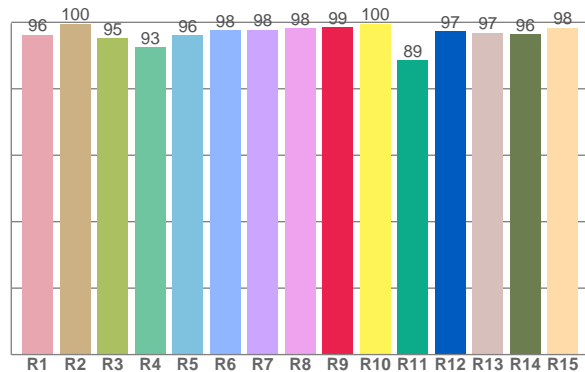




TM30: 95.3



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
96.3	99.6	95.2	92.6	96.1	97.6	97.8	98.3	98.6	99.5	88.6	97.2	96.9	96.4	98.4

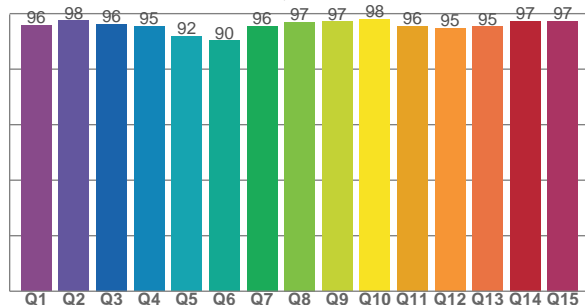
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.2	96.8	96.2	96.3	96.5	93.4	94.5	93.1	94.8	95.8	97.0	93.7	95.5	94.2	95.7	91.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95.8	97.5	96.3	95.4	91.8	90.3	95.6	97.0	97.1	98.0	95.6	94.8	95.4	97.4	97.4

CQS: 95.0



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
2961 K	96.7	98.6	95.3	103.2	95.0	0.440	0.406	0.252	0.348	0.0002

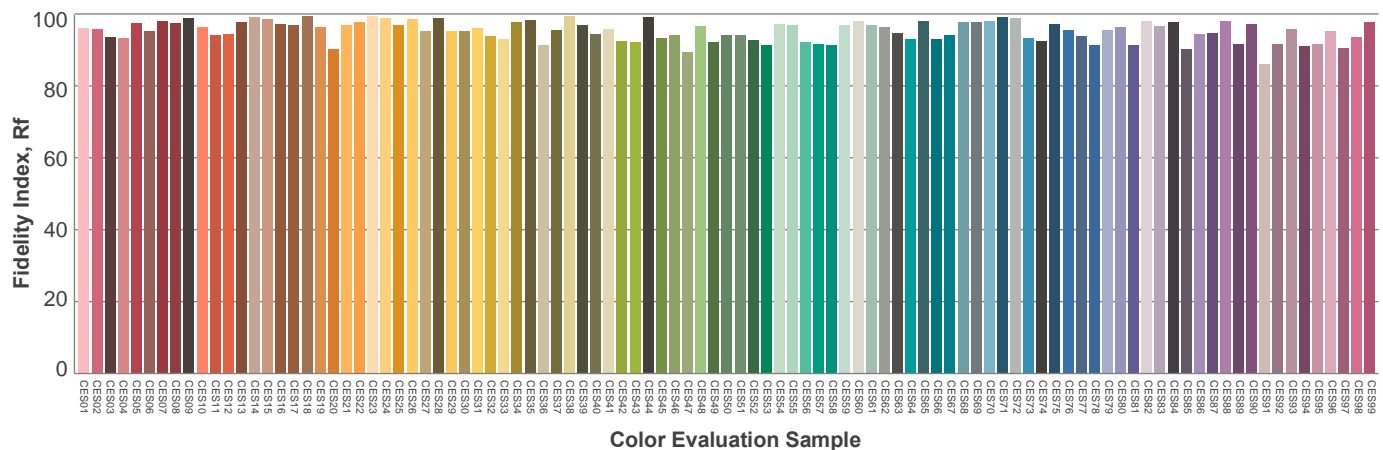
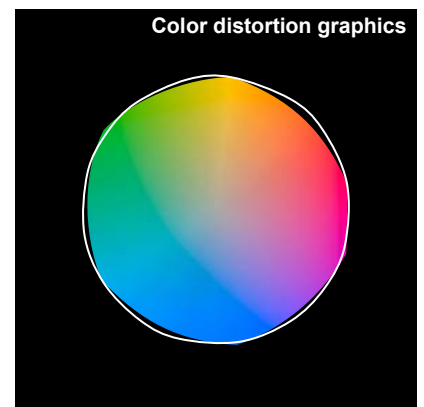
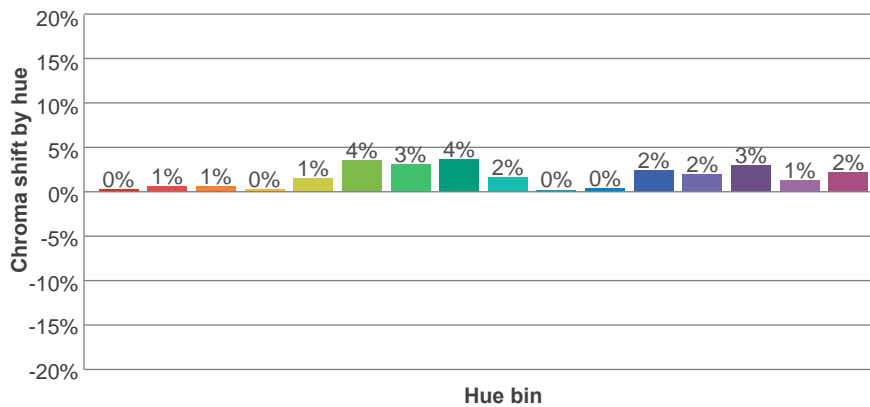
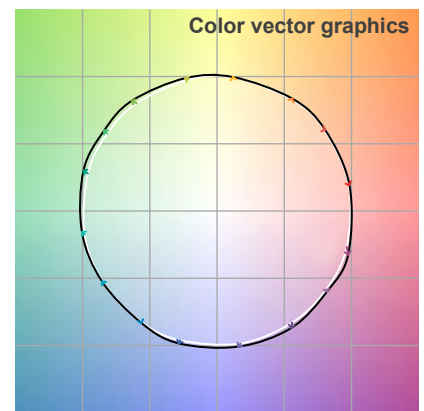
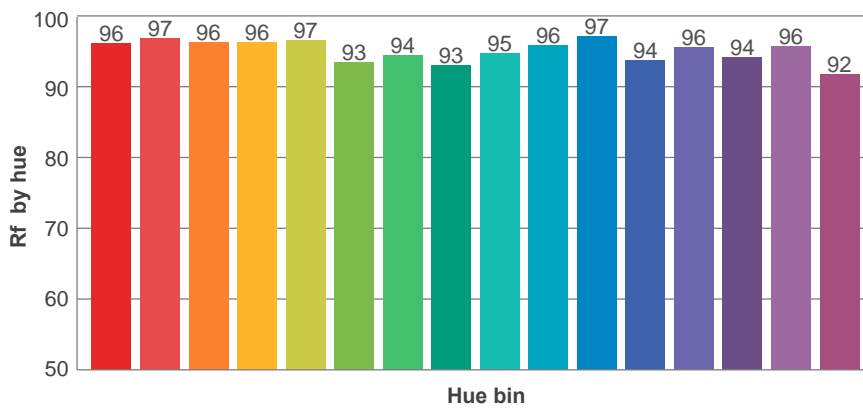
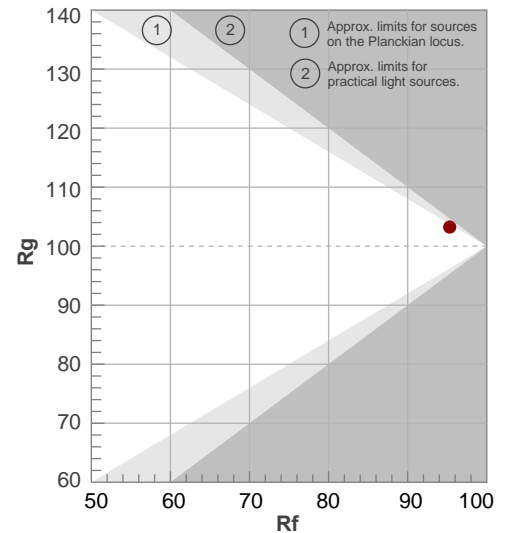
Rf 95.3

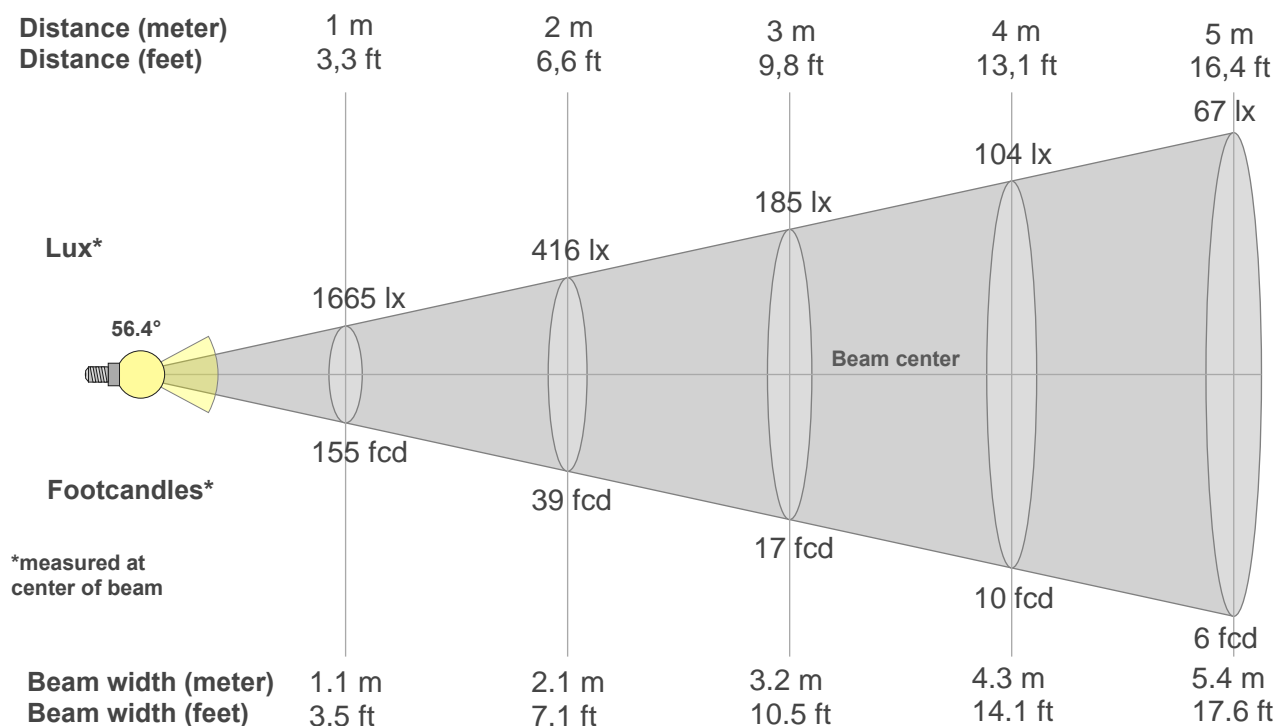
Fidelity index Rf

Rg 103.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	1%	-1%
3	96	1%	0%
4	96	0%	0%
5	97	1%	2%
6	93	4%	2%
7	94	3%	-1%
8	93	4%	-1%
9	95	2%	-2%
10	96	0%	-2%
11	97	0%	1%
12	94	2%	-1%
13	96	2%	-2%
14	94	3%	-3%
15	96	1%	-1%
16	92	2%	-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
1665lx	416lx	185lx	104lx	67lx	46lx	34lx	26lx	21lx	17lx	14lx	12lx	10lx	8lx	7lx	7lx	6lx	5lx	5lx	4lx
154.6fcd	38.7fcd	17.2fcd	9.7fcd	6.2fcd	4.3fcd	3.2fcd	2.4fcd	1.9fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd

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°
1665	1653	1621	1536	1448	1381	1337	1313	1297	1285	1260	1210	1126	1002	829	626	429	272	169	91
100%	99%	97%	92%	87%	83%	80%	79%	78%	77%	76%	73%	68%	60%	50%	38%	26%	16%	10%	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°
1665	1654	1615	1529	1433	1361	1313	1285	1270	1278	1274	1238	1162	1043	876	662	455	289	174	97
100%	99%	97%	92%	86%	82%	79%	77%	76%	77%	77%	74%	70%	63%	53%	40%	27%	17%	10%	6%

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°
1665	1653	1621	1536	1448	1381	1337	1313	1297	1285	1260	1210	1126	1002	829	626	429	272	169	91
100%	99%	97%	92%	87%	83%	80%	79%	78%	77%	76%	73%	68%	60%	50%	38%	26%	16%	10%	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°
1665	1654	1615	1529	1433	1361	1313	1285	1270	1278	1274	1238	1162	1043	876	662	455	289	174	97
100%	99%	97%	92%	86%	82%	79%	77%	76%	77%	77%	74%	70%	63%	53%	40%	27%	17%	10%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	72.2°	81°	99.3%	98.6%