

Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 96.2

Color temperature:

2937 K

Output: 1050 lm

Peak: 1325 cd

Power: 18.5 W

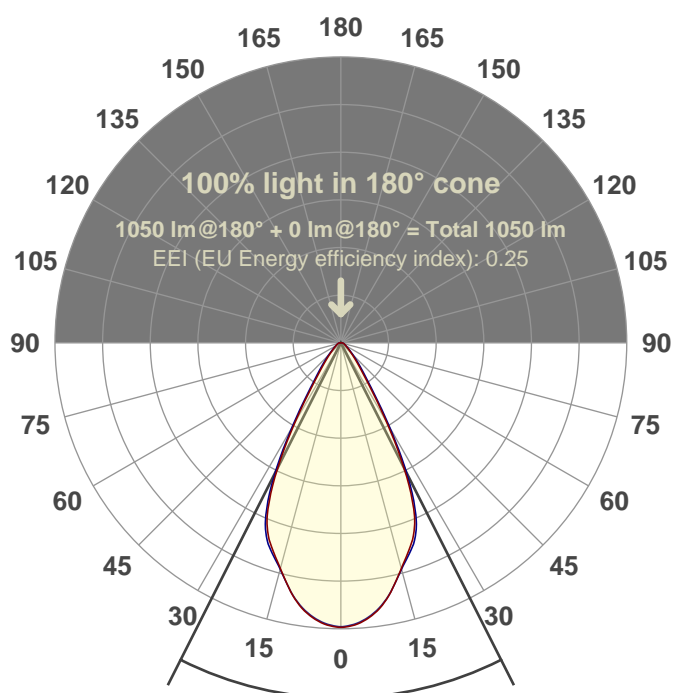
PF: 0.98



**137420-XTM19-16LM-30K-98-SSA60-120-
ELV-WH-MP-CRO**

Date and time:

5/4/2020 9:01:28 AM



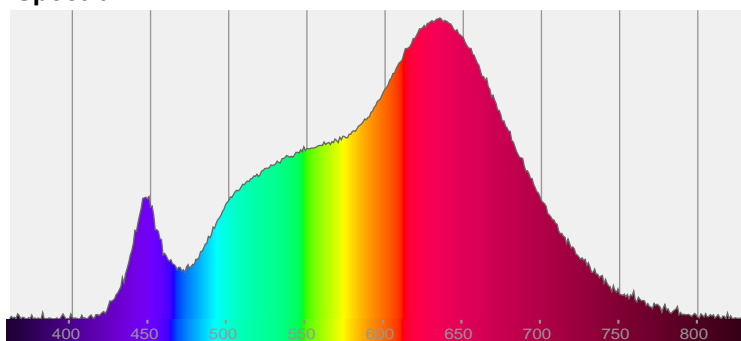
Beam angle

53.6°

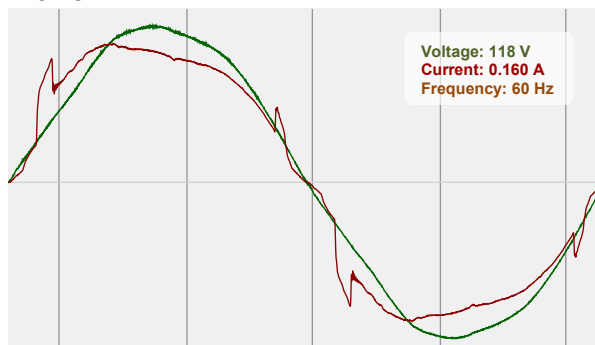


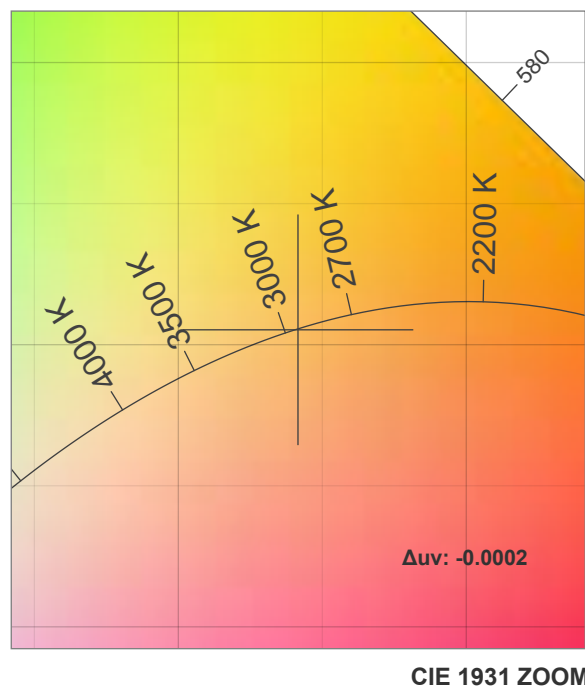
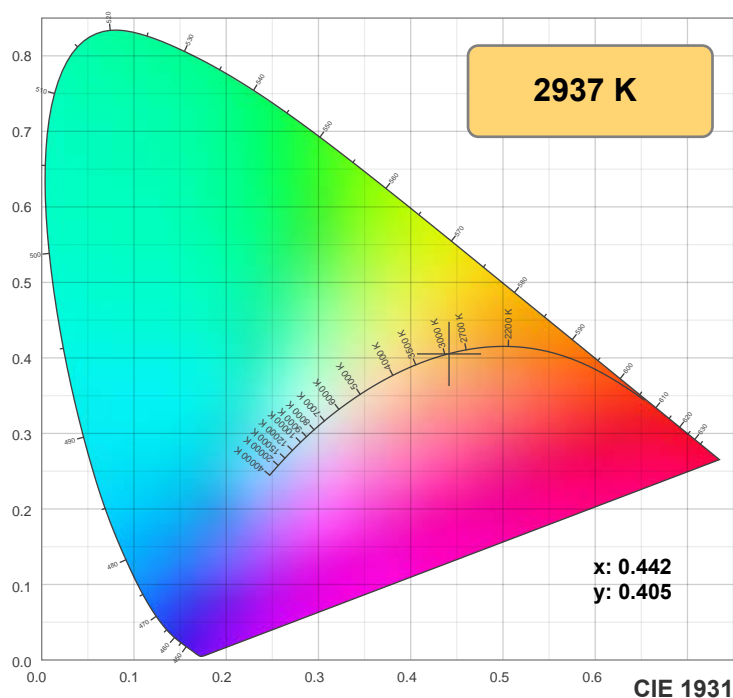
CIE 1931
x: 0.442
y: 0.405

Spectra

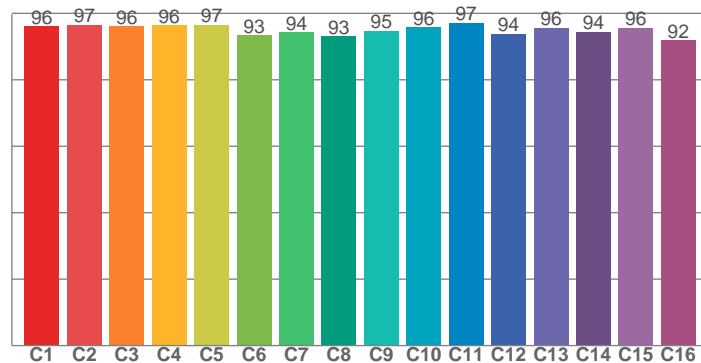


Power

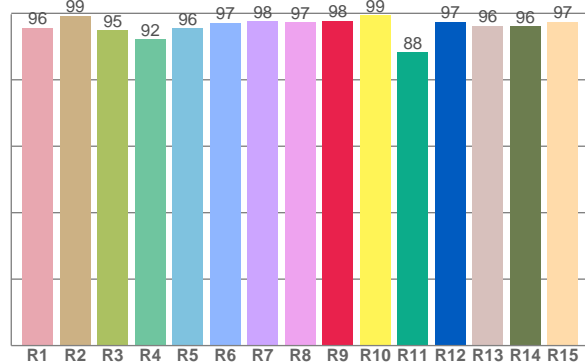




TM30: 95.3



CRI: 96.2 (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
95.6	99.2	95.0	92.2	95.5	97.2	97.7	97.4	97.8	99.4	88.4	97.4	96.3	96.2	97.4

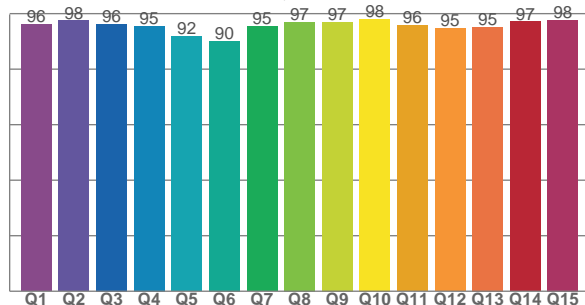
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	96.6	96.1	96.3	96.5	93.3	94.3	93.1	94.6	95.8	97.2	93.7	95.6	94.4	95.5	91.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.2	97.5	96.2	95.5	91.8	90.2	95.4	97.0	97.0	98.0	95.8	94.7	95.2	97.1	97.7

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
2937 K	96.2	97.8	95.3	103.5	95.0	0.442	0.405	0.253	0.348	-0.0002

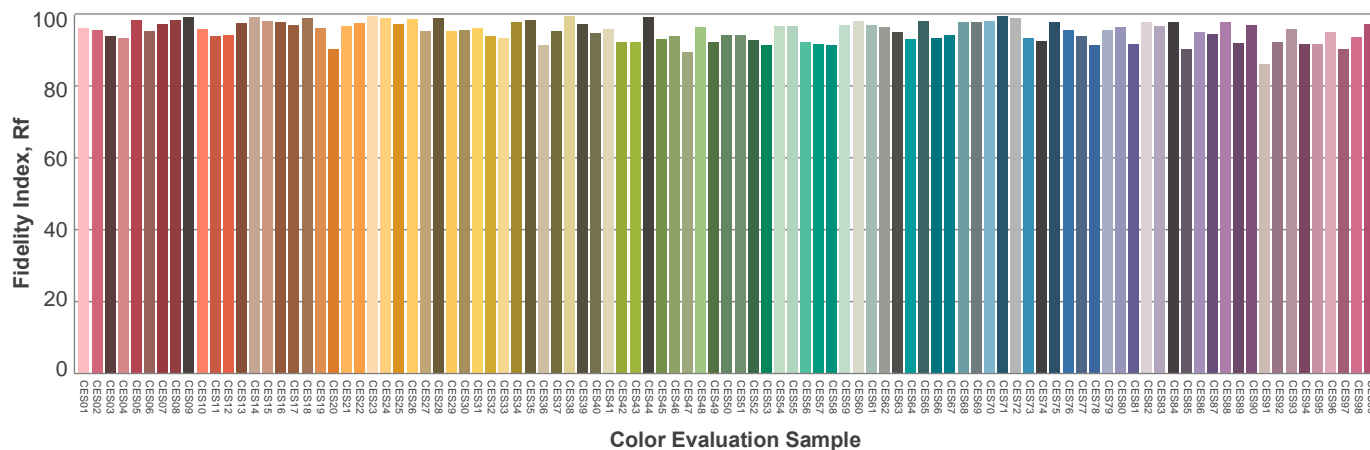
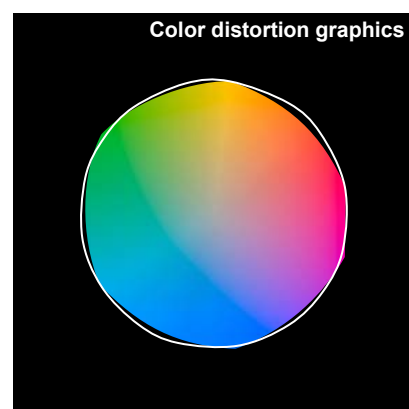
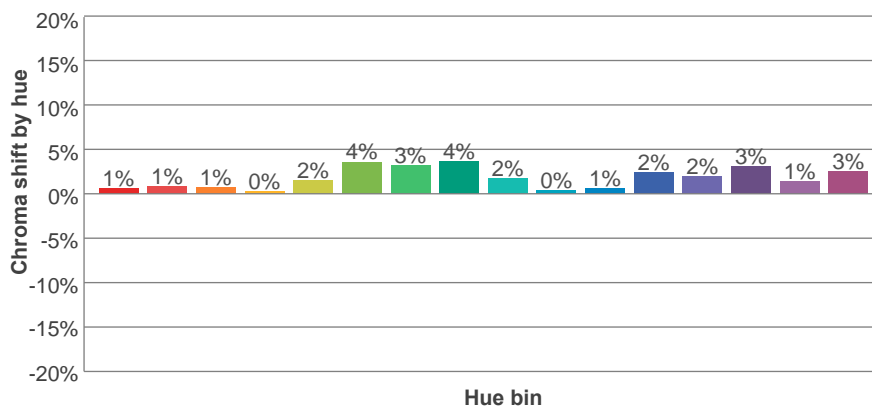
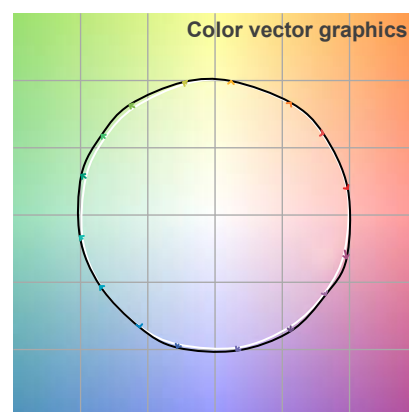
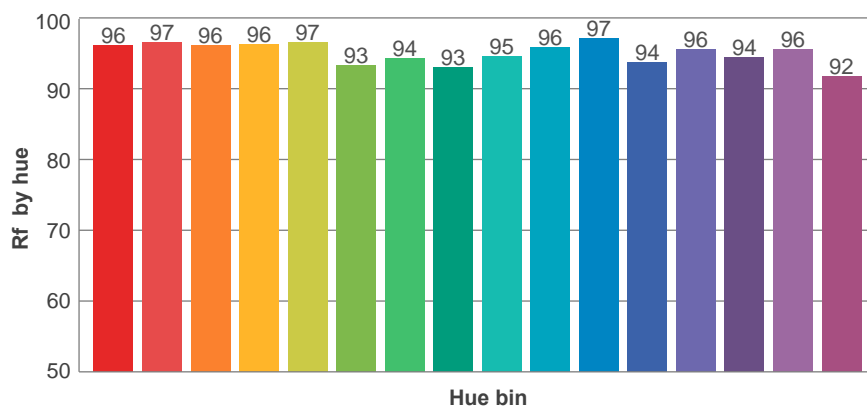
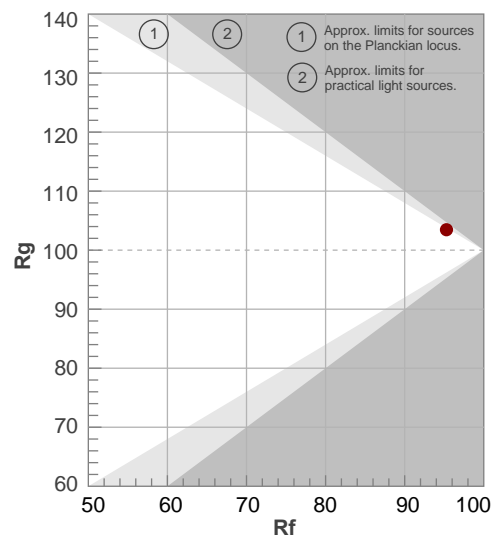
Rf 95.3

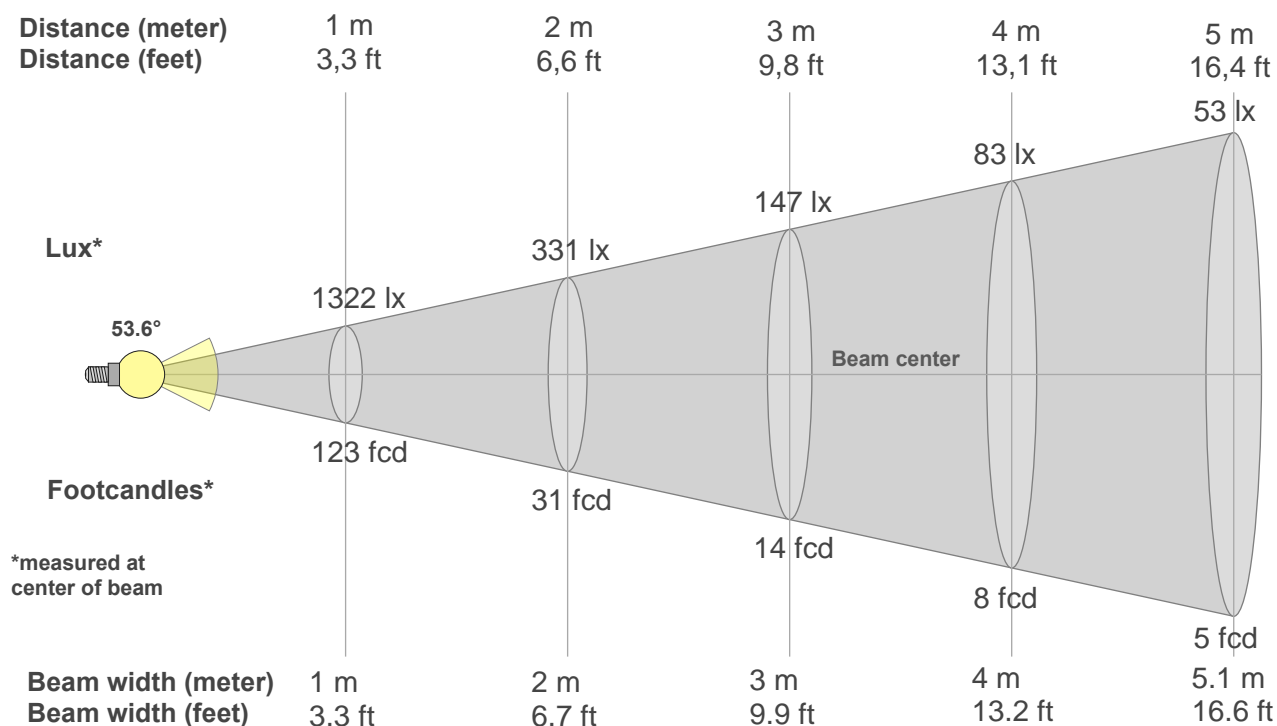
Fidelity index Rf

Rg 103.5

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	97	2%	2%
6	93	4%	2%
7	94	3%	-1%
8	93	4%	-2%
9	95	2%	-2%
10	96	0%	-2%
11	97	1%	0%
12	94	2%	-1%
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
1322lx	331lx	147lx	83lx	53lx	37lx	27lx	21lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
122.9fcd	30.7fcd	13.7fcd	7.7fcd	4.9fcd	3.4fcd	2.5fcd	1.9fcd	1.5fcd	1.2fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd

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°
1322	1318	1305	1284	1254	1213	1165	1113	1064	1019	973	911	823	705	566	428	314	230	175	139
100%	100%	99%	97%	95%	92%	88%	84%	80%	77%	74%	69%	62%	53%	43%	32%	24%	17%	13%	10%

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°
1322	1314	1300	1279	1250	1211	1164	1115	1070	1031	990	931	846	732	597	458	344	258	199	160
100%	99%	98%	97%	95%	92%	88%	84%	81%	78%	75%	70%	64%	55%	45%	35%	26%	20%	15%	12%

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°
1322	1318	1305	1284	1254	1213	1165	1113	1064	1019	973	911	823	705	566	428	314	230	175	139
100%	100%	99%	97%	95%	92%	88%	84%	80%	77%	74%	69%	62%	53%	43%	32%	24%	17%	13%	10%

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°
1322	1314	1300	1279	1250	1211	1164	1115	1070	1031	990	931	846	732	597	458	344	258	199	160
100%	99%	98%	97%	95%	92%	88%	84%	81%	78%	75%	70%	64%	55%	45%	35%	26%	20%	15%	12%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	78.4°	111.7°	95.7%	90.3%