

Light efficiency:

82 Lumen/Watt

Light quality:

CRI: 83.4

Color temperature:

2952 K

Output: 1111 lm

Peak: 4266 cd

Power: 13.5 W

PF: 0.99

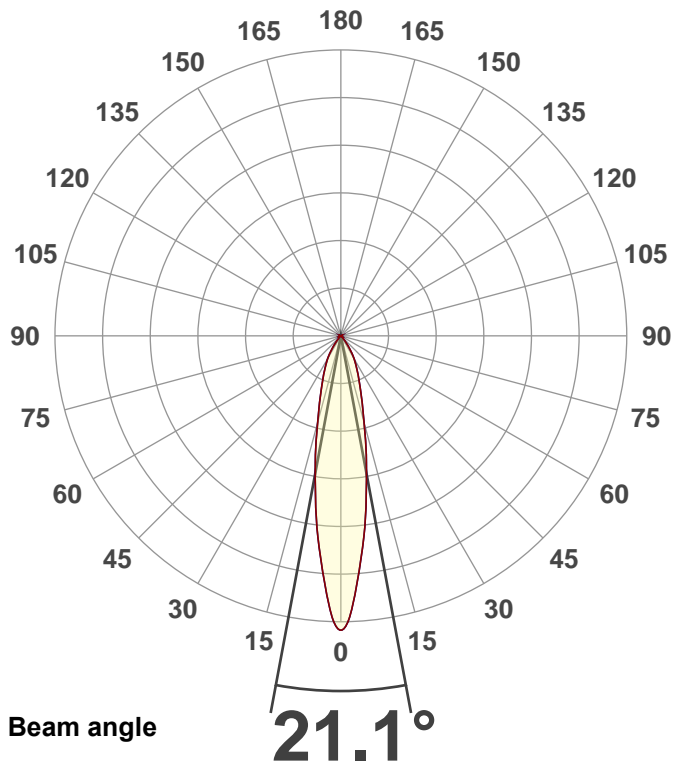


Product name:

608RA-4-XTM19-15LM-30K-83-S20-120-ELV-BK-BK-P

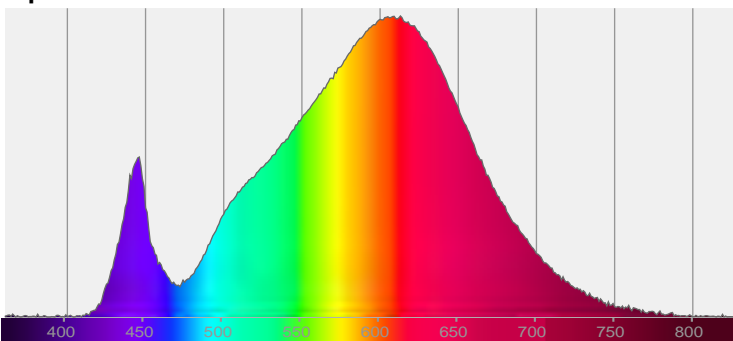
Date and time:

1/26/2019 9:40:50 AM

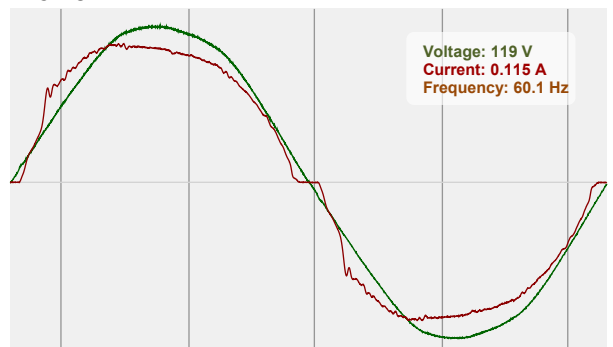


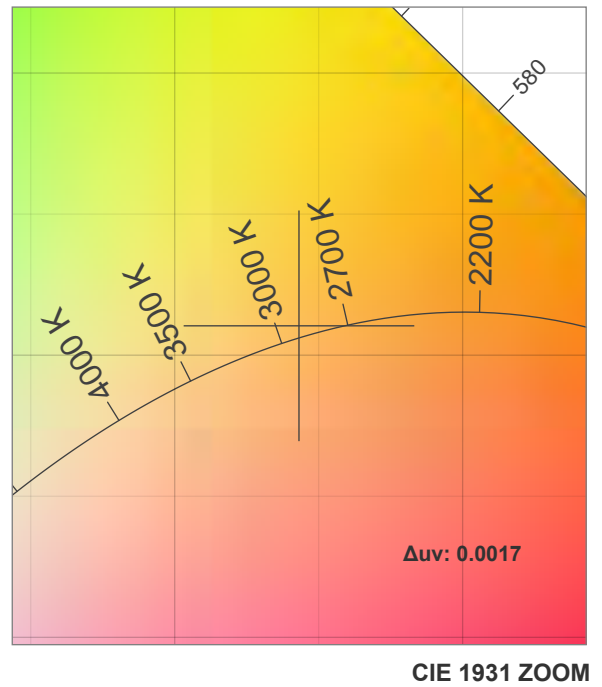
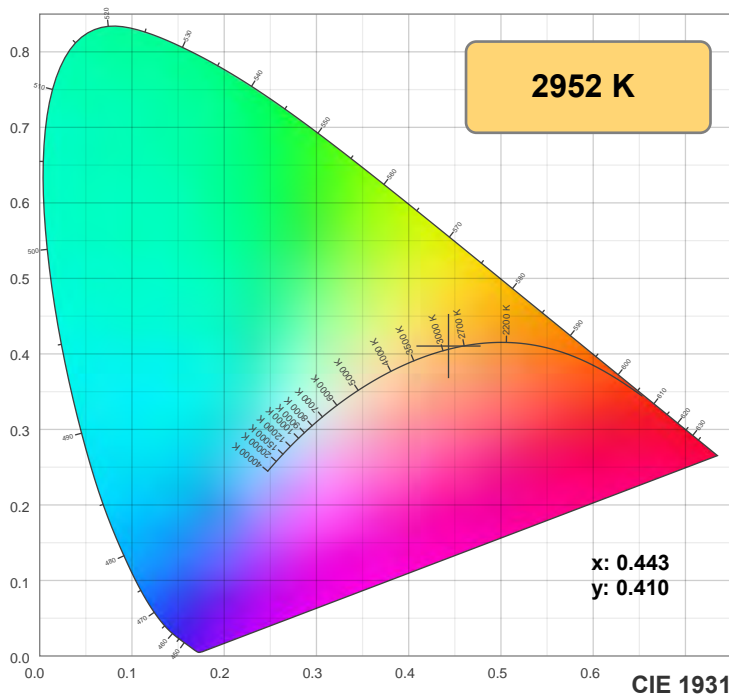
CIE 1931
x: 0.443
y: 0.410

Spectra

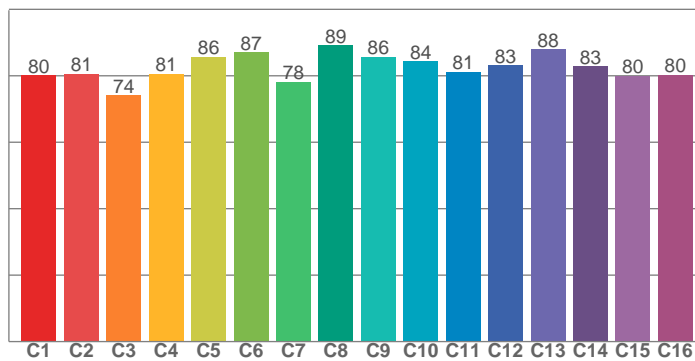


Power

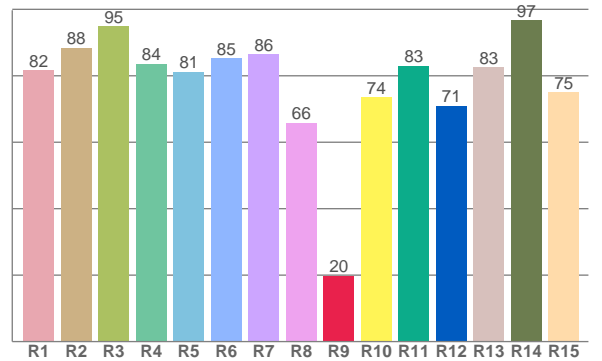




TM30: 82.4



CRI: 83.4 (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
81.6	88.4	94.8	83.6	81.2	85.2	86.4	65.9	19.8	73.6	83.0	71.0	82.7	96.7	75.1

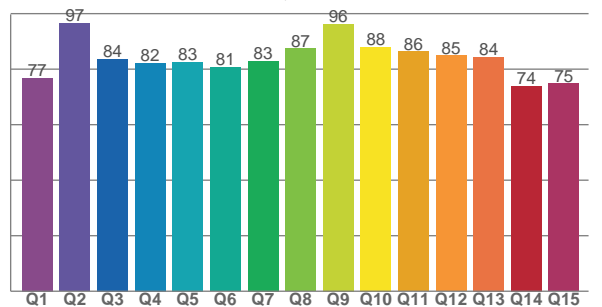
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.1	80.6	74.1	80.6	85.8	87.1	78.2	89.2	85.6	84.3	81.2	83.1	87.9	82.9	80.0	80.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.8	96.5	83.7	82.2	82.5	80.7	82.9	87.5	96.3	88.1	86.4	85.0	84.4	73.9	74.8

CQS: 82.8



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
2952 K	83.4	19.8	82.4	99.0	82.8	0.443	0.410	0.252	0.350	0.0017

TM30 Details

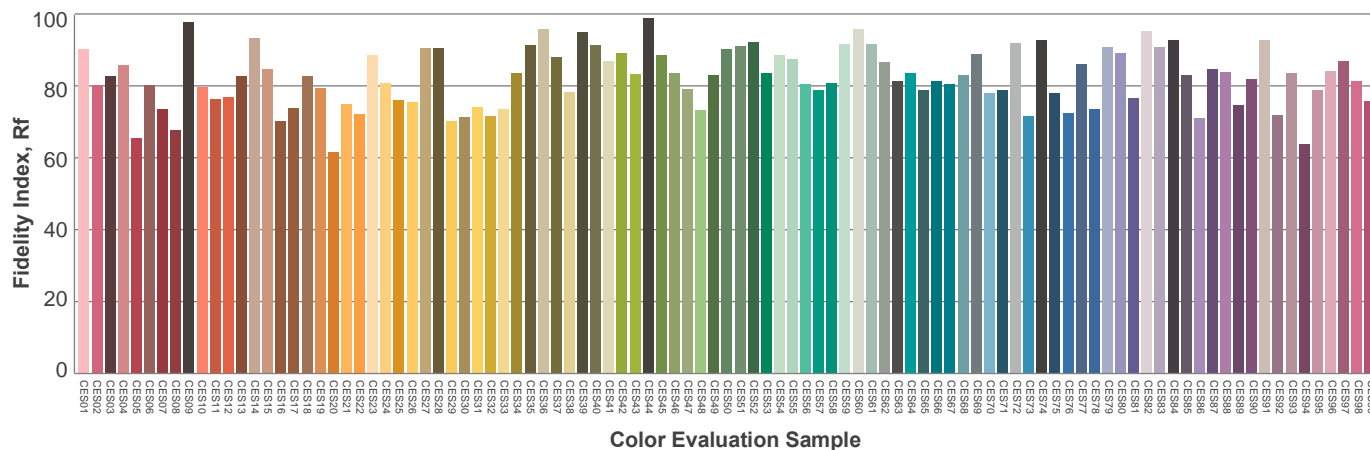
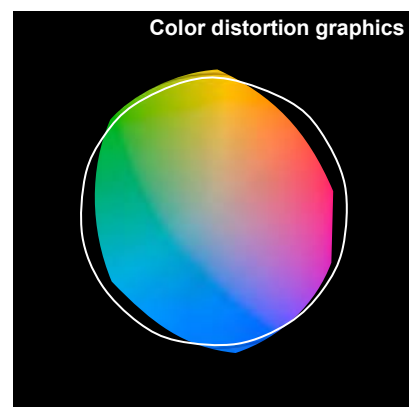
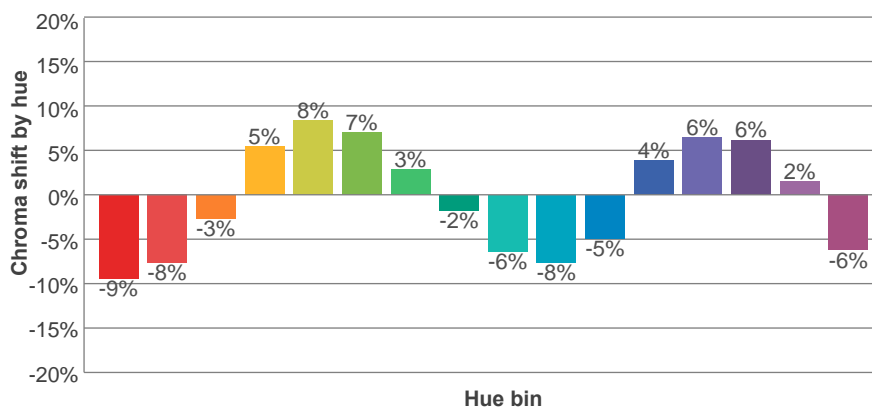
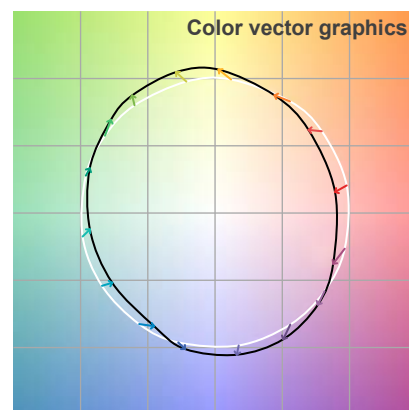
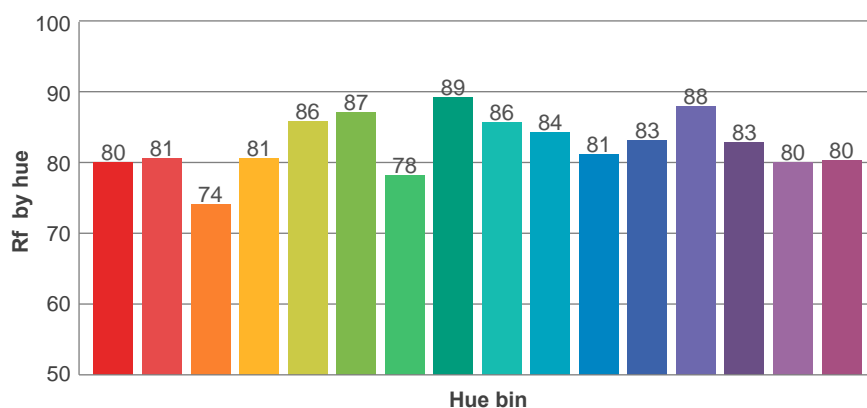
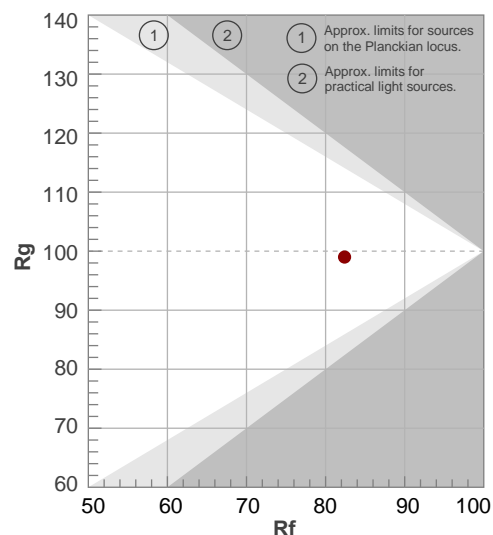
Rf 82.4

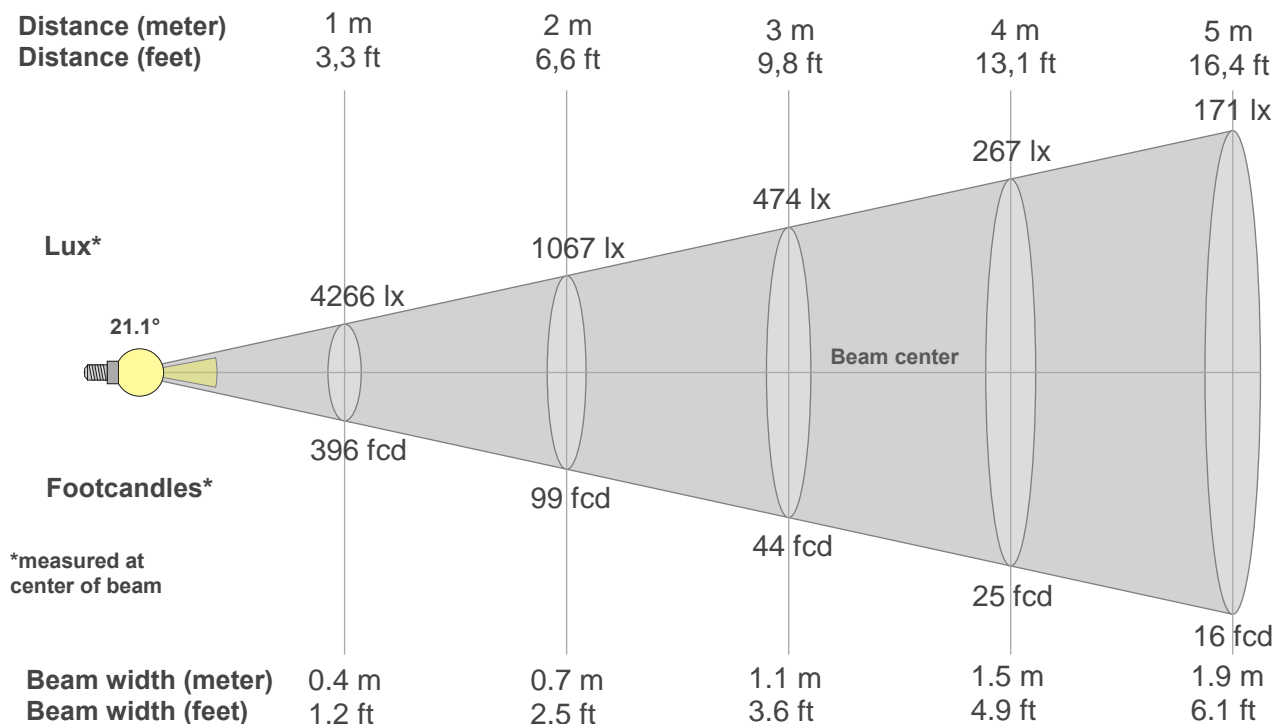
Fidelity index Rf

Rg 99.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-9%	-3%
2	81	-8%	6%
3	74	-3%	12%
4	81	5%	11%
5	86	8%	6%
6	87	7%	-3%
7	78	3%	-12%
8	89	-2%	-6%
9	86	-6%	-4%
10	84	-8%	2%
11	81	-5%	10%
12	83	4%	6%
13	88	6%	-3%
14	83	6%	-10%
15	80	2%	-11%
16	80	-6%	-13%





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
4266lx	1067lx	474lx	267lx	171lx	119lx	87lx	67lx	53lx	43lx	35lx	30lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
396.4fcd	99.1fcd	44fcd	24.8fcd	15.9fcd	11fcd	8.1fcd	6.2fcd	4.9fcd	4fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.8fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd	1fcd

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°
4266	4161	3664	3167	2706	2256	1848	1541	1234	1046	881	741	641	542	468	397	324	250	176	124
100%	98%	86%	74%	63%	53%	43%	36%	29%	25%	21%	17%	15%	13%	11%	9%	8%	6%	4%	3%

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°
4266	4161	3664	3167	2706	2256	1848	1541	1234	1046	881	741	641	542	468	397	324	250	176	124
100%	98%	86%	74%	63%	53%	43%	36%	29%	25%	21%	17%	15%	13%	11%	9%	8%	6%	4%	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°
4266	4161	3664	3167	2706	2256	1848	1541	1234	1046	881	741	641	542	468	397	324	250	176	124
100%	98%	86%	74%	63%	53%	43%	36%	29%	25%	21%	17%	15%	13%	11%	9%	8%	6%	4%	3%

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°
4266	4161	3664	3167	2706	2256	1848	1541	1234	1046	881	741	641	542	468	397	324	250	176	124
100%	98%	86%	74%	63%	53%	43%	36%	29%	25%	21%	17%	15%	13%	11%	9%	8%	6%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21.1°	58.3°	77.3°	99.6%	98.2%